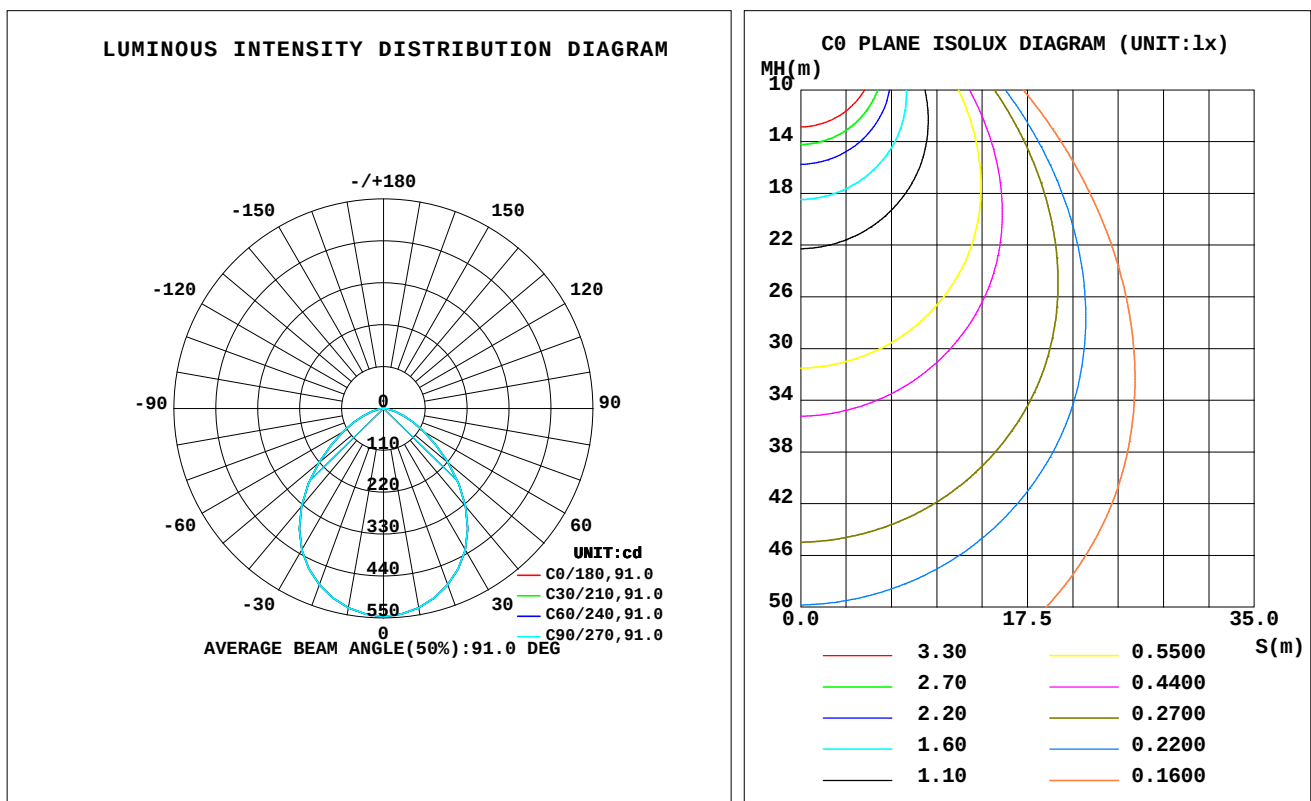


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.1*0.1	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 93.82 lm/W
MODEL: CDL7-4DA13AC(13W 3500K)		Imax(cd)	546.4	S/MH(C0/180)	1.18	
NOMINAL POWER(W)	13	LOR(%)	100.0	S/MH(C90/270)	1.18	
RATED VOLTAGE(V)	100-277	TOTAL FLUX(lm)	1161.1	h UP, DN(C0-180)	0.5, 49.5	
NOMINAL FLUX(lm)	1161.06	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.5, 49.5	
LAMPS INSIDE	1	h up(%)	1.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	120	h down(%)	99.0	CIBSE SHR MAX	1.30	



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-06-15

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

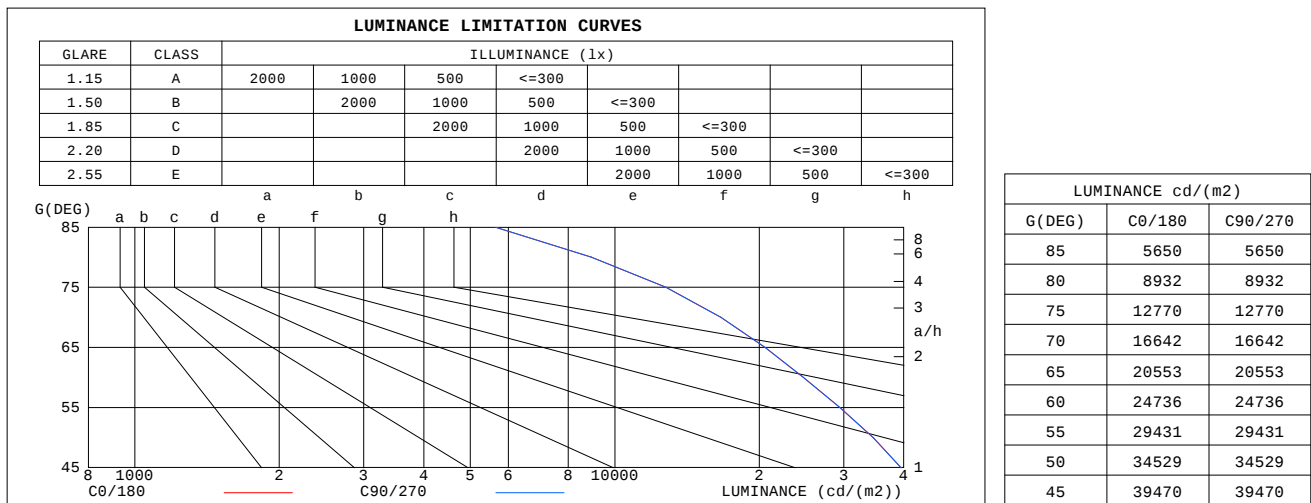
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum, lamp
10	531.3	531.3	531.3	531.3	531.3	531.3	531.3	531.3	0- 10	51.39	51.39	4.43, 4.43
20	492.9	492.9	492.9	492.9	492.9	492.9	492.9	492.9	10- 20	145.2	196.6	16.9, 16.9
30	429.6	429.6	429.6	429.6	429.6	429.6	429.6	429.6	20- 30	213.6	410.1	35.3, 35.3
40	335.1	335.1	335.1	335.1	335.1	335.1	335.1	335.1	30- 40	240.4	650.5	56, 56
50	221.9	221.9	221.9	221.9	221.9	221.9	221.9	221.9	40- 50	215.0	865.5	74.5, 74.5
60	123.7	123.7	123.7	123.7	123.7	123.7	123.7	123.7	50- 60	152.6	1018	87.7, 87.7
70	56.92	56.92	56.92	56.92	56.92	56.92	56.92	56.92	60- 70	87.59	1106	95.2, 95.2
80	15.51	15.51	15.51	15.51	15.51	15.51	15.51	15.51	70- 80	36.51	1142	98.4, 98.4
90	0.3973	0.3973	0.3973	0.3973	0.3973	0.3973	0.3973	0.3973	80- 90	7.010	1149	99, 99
100	0.7536	0.7536	0.7536	0.7536	0.7536	0.7536	0.7536	0.7536	90-100	0.6153	1150	99, 99
110	1.221	1.221	1.221	1.221	1.221	1.221	1.221	1.221	100-110	1.033	1151	99.1, 99.1
120	1.746	1.746	1.746	1.746	1.746	1.746	1.746	1.746	110-120	1.475	1152	99.2, 99.2
130	2.300	2.300	2.300	2.300	2.300	2.300	2.300	2.300	120-130	1.815	1154	99.4, 99.4
140	2.796	2.796	2.796	2.796	2.796	2.796	2.796	2.796	130-140	1.975	1156	99.6, 99.6
150	3.240	3.240	3.240	3.240	3.240	3.240	3.240	3.240	140-150	1.892	1158	99.7, 99.7
160	3.679	3.679	3.679	3.679	3.679	3.679	3.679	3.679	150-160	1.595	1160	99.9, 99.9
170	4.028	4.028	4.028	4.028	4.028	4.028	4.028	4.028	160-170	1.091	1161	100, 100
180	4.205	4.205	4.205	4.205	4.205	4.205	4.205	4.205	170-180	0.3925	1161	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-06-15

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.1*0.1	Shielding Angle:



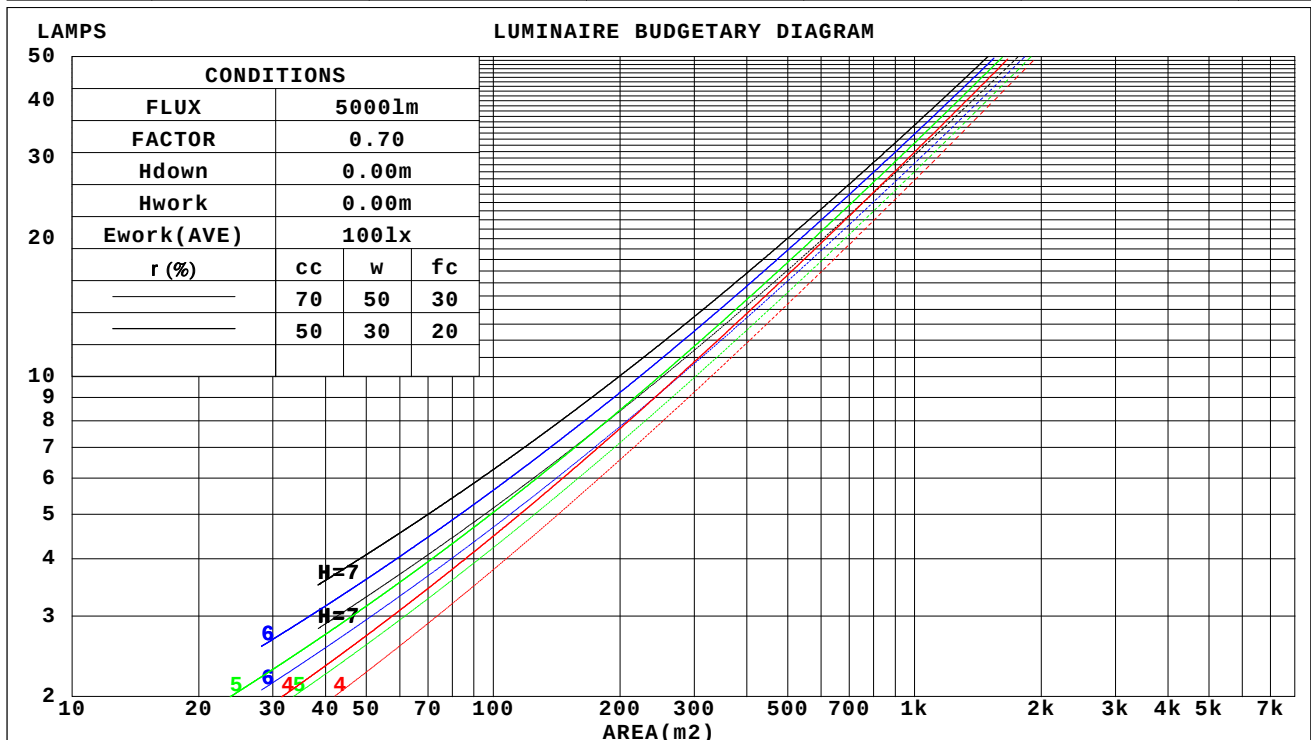
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-06-15

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.1*0.1	Shielding Angle:

r cc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-06-15

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.1*0.1	Shielding Angle:

r _{cc}	80%			70%			50%			30%			10%			0
r _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.258	.147	.047	.251	.143	.046	.238	.136	.044	.225	.130	.042	.214	.124	.040	
2.0	.249	.137	.042	.243	.134	.041	.231	.129	.040	.220	.124	.039	.210	.119	.037	
3.0	.236	.125	.038	.230	.123	.037	.220	.119	.036	.210	.115	.035	.201	.111	.034	
4.0	.221	.115	.034	.216	.113	.033	.207	.110	.033	.198	.106	.032	.190	.103	.031	
5.0	.207	.106	.031	.203	.104	.030	.195	.101	.030	.187	.099	.029	.180	.096	.029	
6.0	.194	.097	.028	.190	.096	.028	.183	.094	.027	.176	.092	.027	.170	.089	.027	
7.0	.183	.090	.026	.179	.089	.025	.173	.087	.025	.166	.085	.025	.161	.083	.025	
8.0	.172	.084	.024	.169	.083	.023	.163	.081	.023	.157	.080	.023	.152	.078	.023	
9.0	.162	.078	.022	.159	.078	.022	.154	.076	.022	.149	.075	.021	.144	.073	.021	
10.0	.153	.074	.020	.151	.073	.020	.146	.072	.020	.141	.070	.020	.137	.069	.020	

r _{cc}	80%			70%			50%			30%			10%			0
r _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.198	.198	.198	.169	.169	.169	.116	.116	.116	.066	.066	.066	.021	.021	.021	
1.0	.185	.164	.146	.158	.141	.126	.108	.097	.087	.062	.056	.051	.020	.018	.016	
2.0	.175	.140	.111	.149	.121	.096	.102	.083	.067	.059	.049	.039	.019	.016	.013	
3.0	.166	.122	.087	.142	.105	.076	.098	.073	.053	.056	.043	.031	.018	.014	.010	
4.0	.158	.108	.071	.135	.094	.061	.093	.065	.043	.054	.038	.026	.017	.012	.008	
5.0	.151	.098	.059	.129	.085	.051	.089	.059	.036	.052	.035	.021	.017	.011	.007	
6.0	.144	.089	.050	.124	.077	.044	.085	.054	.031	.049	.032	.018	.016	.010	.006	
7.0	.137	.082	.043	.118	.071	.038	.082	.050	.027	.047	.029	.016	.015	.010	.005	
8.0	.131	.076	.039	.113	.066	.034	.078	.046	.024	.046	.027	.014	.015	.009	.005	
9.0	.126	.071	.035	.108	.062	.030	.075	.044	.021	.044	.026	.013	.014	.008	.004	
10.0	.120	.067	.032	.104	.058	.028	.072	.041	.020	.042	.024	.012	.014	.008	.004	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2020-06-15

g Range: 0 - 180DEG
 g Interval: 5.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

NAME: LED DOWNLIGHT					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.: ASD LIGHTING CORP					SUR.: 0.1*0.1			Shielding Angle:			
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H y = 2H	23.5	24.8	23.7	25.0	25.2	23.5	24.8	23.7	25.0	25.2	
	3H	24.1	25.3	24.4	25.6	25.8	24.1	25.3	24.4	25.6	25.8
	4H	24.2	25.4	24.5	25.7	25.9	24.2	25.4	24.5	25.7	25.9
	6H	24.3	25.4	24.6	25.6	25.9	24.3	25.4	24.6	25.6	25.9
	8H	24.2	25.3	24.6	25.6	25.9	24.2	25.3	24.6	25.6	25.9
	12H	24.2	25.2	24.6	25.5	25.8	24.2	25.2	24.6	25.5	25.8
4H	2H	23.7	24.9	24.0	25.2	25.4	23.7	24.9	24.0	25.2	25.4
	3H	24.5	25.5	24.8	25.8	26.1	24.5	25.5	24.8	25.8	26.1
	4H	24.7	25.6	25.1	26.0	26.3	24.7	25.6	25.1	26.0	26.3
	6H	24.8	25.6	25.2	26.0	26.3	24.8	25.6	25.2	26.0	26.3
	8H	24.8	25.5	25.2	25.9	26.3	24.8	25.5	25.2	25.9	26.3
	12H	24.8	25.4	25.2	25.8	26.3	24.8	25.4	25.2	25.8	26.3
8H	4H	24.7	25.5	25.1	25.9	26.3	24.7	25.5	25.1	25.9	26.3
	6H	24.9	25.5	25.3	25.9	26.3	24.9	25.5	25.3	25.9	26.3
	8H	24.9	25.4	25.3	25.9	26.3	24.9	25.4	25.3	25.9	26.3
	12H	24.9	25.3	25.4	25.8	26.3	24.9	25.3	25.4	25.8	26.3
12H	4H	24.7	25.4	25.1	25.8	26.2	24.7	25.4	25.1	25.8	26.2
	6H	24.8	25.4	25.3	25.8	26.3	24.8	25.4	25.3	25.8	26.3
	8H	24.8	25.3	25.3	25.8	26.3	24.8	25.3	25.3	25.8	26.3
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 0.5 / - 0.6					+ 0.5 / - 0.6					
1.5H	+ 0.3 / - 0.3					+ 0.3 / - 0.3					
2.0H	+ 1.0 / - 1.1					+ 1.0 / - 1.1					

CIE Pub.117, 1161 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.5$)
Area: 0.01 m²

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-06-15

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.1*0.1	Shielding Angle:

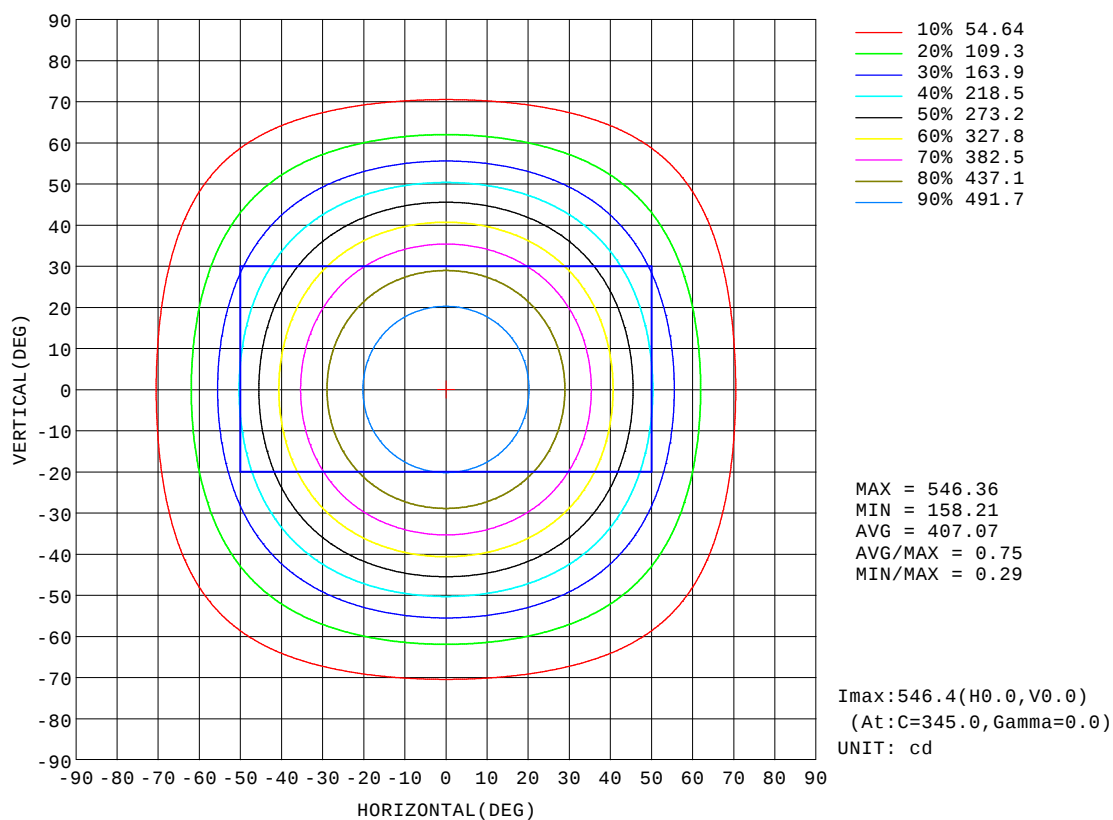
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	64	54	47	63	53	47	62	53	47	41
0.80	74	64	57	73	63	57	71	63	57	51
1.00	82	73	66	81	72	66	79	73	65	59
1.25	89	80	74	87	79	73	85	78	72	66
1.50	93	85	79	92	84	79	89	82	77	71
2.00	99	92	87	97	91	86	94	89	84	77
2.50	102	96	91	100	95	90	97	92	88	80
3.00	105	100	95	103	98	94	99	95	91	83
4.00	109	104	100	106	102	98	102	99	96	87
5.00	110	106	103	108	104	101	104	101	98	89
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-06-15

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.1*0.1	Shielding Angle:

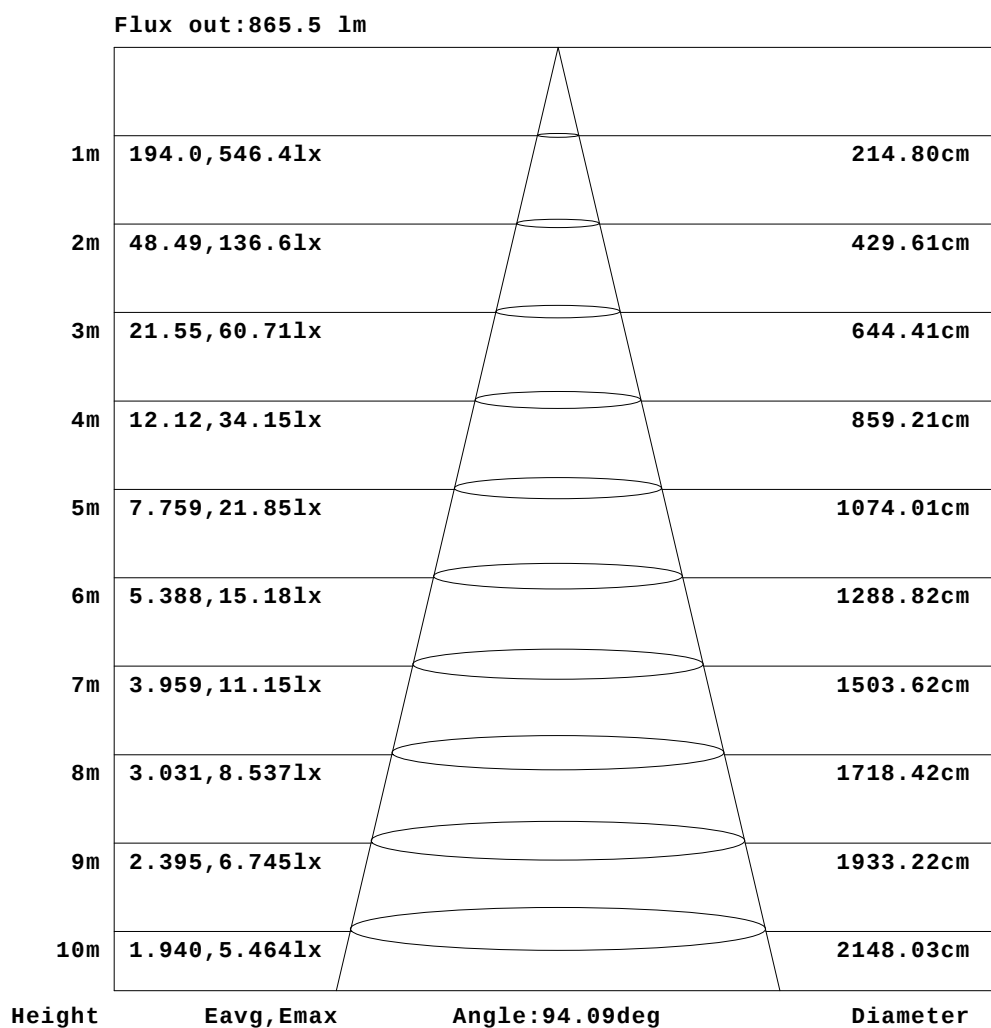


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-06-15

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

AAI Figure

NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.1*0.1	Shielding Angle:



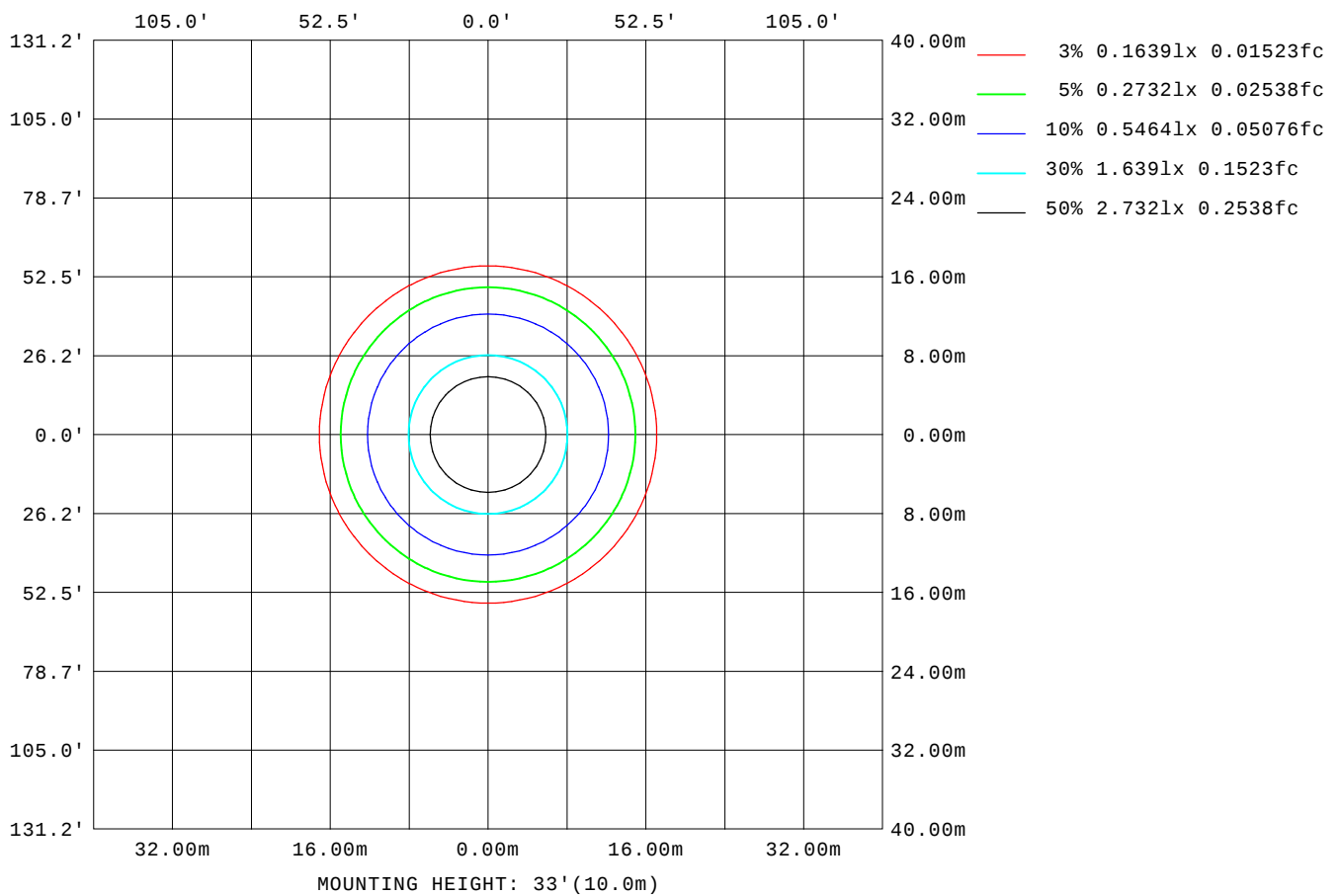
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.00DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-06-15

g Range: 0 - 180DEG
g Interval: 5.00DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.1*0.1	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-06-15

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.1*0.1	Shielding Angle:

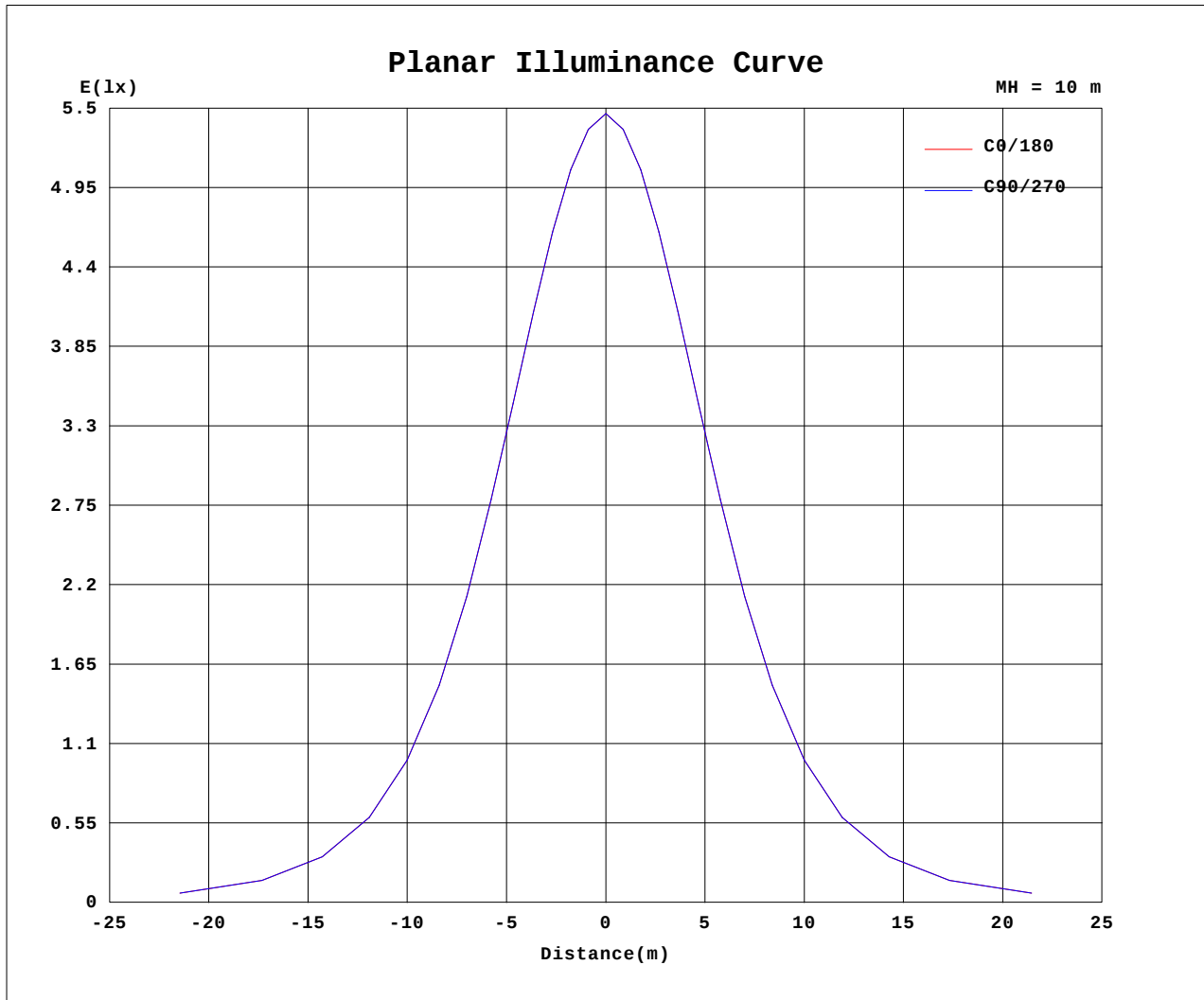
AvgL	cd/m2
L_0~180(65)av	20553
L_0~180(75)av	12770
L_0~180(85)av	5650
L_90~270(65)av	20553
L_90~270(75)av	12770
L_90~270(85)av	5650
L_45(65)av	20553
L_45(75)av	12770
L_45(85)av	5650

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-06-15

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2020-06-15

g Range: 0 - 180DEG
 g Interval: 5.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.1*0.1	Shielding Angle:

Table--1

UNIT: cd

C(DEC) g (DEC)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	546	546	546	546	546	546	546	546	546	546	546	546	546	546	546	546	546	546	546
5	542	542	542	542	542	542	542	542	542	542	542	542	542	542	542	542	542	542	542
10	531	531	531	531	531	531	531	531	531	531	531	531	531	531	531	531	531	531	531
15	515	515	515	515	515	515	515	515	515	515	515	515	515	515	515	515	515	515	515
20	493	493	493	493	493	493	493	493	493	493	493	493	493	493	493	493	493	493	493
25	464	464	464	464	464	464	464	464	464	464	464	464	464	464	464	464	464	464	464
30	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430
35	386	386	386	386	386	386	386	386	386	386	386	386	386	386	386	386	386	386	386
40	335	335	335	335	335	335	335	335	335	335	335	335	335	335	335	335	335	335	335
45	279	279	279	279	279	279	279	279	279	279	279	279	279	279	279	279	279	279	279
50	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222
55	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169
60	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
65	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
70	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
75	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
80	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
85	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92
90	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
95	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
100	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
105	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
110	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
115	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
120	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
125	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03
130	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
135	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56
140	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80
145	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02
150	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24
155	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45
160	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68
165	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87
170	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
175	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15
180	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-06-15

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.1*0.1	Shielding Angle:

Table--2
UNIT: cd

C(DEG) g (DEG)	285	300	315	330	345														
0	546	546	546	546	546														
5	542	542	542	542	542														
10	531	531	531	531	531														
15	515	515	515	515	515														
20	493	493	493	493	493														
25	464	464	464	464	464														
30	430	430	430	430	430														
35	386	386	386	386	386														
40	335	335	335	335	335														
45	279	279	279	279	279														
50	222	222	222	222	222														
55	169	169	169	169	169														
60	124	124	124	124	124														
65	86.9	86.9	86.9	86.9	86.9														
70	56.9	56.9	56.9	56.9	56.9														
75	33.1	33.1	33.1	33.1	33.1														
80	15.5	15.5	15.5	15.5	15.5														
85	4.92	4.92	4.92	4.92	4.92														
90	0.40	0.40	0.40	0.40	0.40														
95	0.55	0.55	0.55	0.55	0.55														
100	0.75	0.75	0.75	0.75	0.75														
105	0.97	0.97	0.97	0.97	0.97														
110	1.22	1.22	1.22	1.22	1.22														
115	1.49	1.49	1.49	1.49	1.49														
120	1.75	1.75	1.75	1.75	1.75														
125	2.03	2.03	2.03	2.03	2.03														
130	2.30	2.30	2.30	2.30	2.30														
135	2.56	2.56	2.56	2.56	2.56														
140	2.80	2.80	2.80	2.80	2.80														
145	3.02	3.02	3.02	3.02	3.02														
150	3.24	3.24	3.24	3.24	3.24														
155	3.45	3.45	3.45	3.45	3.45														
160	3.68	3.68	3.68	3.68	3.68														
165	3.87	3.87	3.87	3.87	3.87														
170	4.03	4.03	4.03	4.03	4.03														
175	4.15	4.15	4.15	4.15	4.15														
180	4.20	4.20	4.20	4.20	4.20														

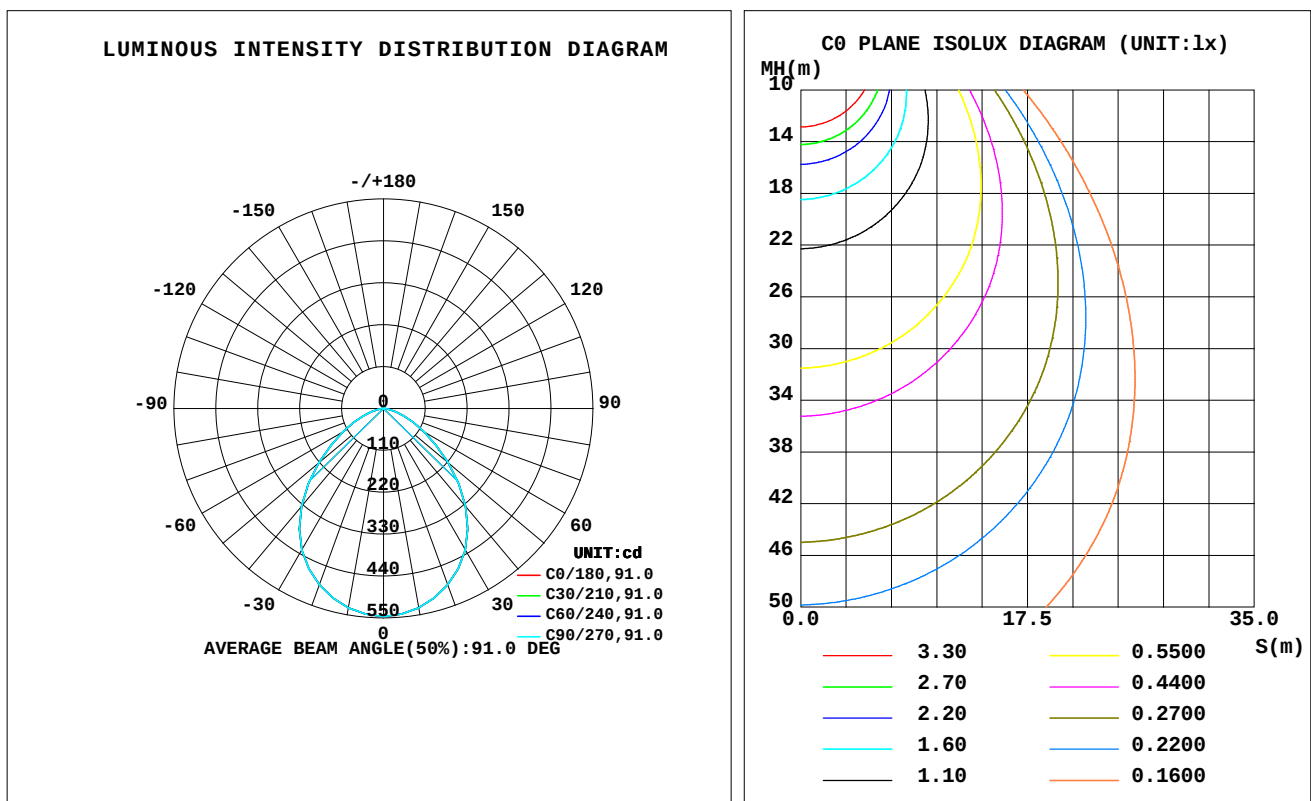
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-06-15

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.1*0.1	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 93.82 lm/W
MODEL: CDL7-4DA13AC(13W 3500K)		Imax(cd)	546.4	S/MH(C0/180)	1.18	
NOMINAL POWER(W)	13	LOR(%)	100.0	S/MH(C90/270)	1.18	
RATED VOLTAGE(V)	100-277	TOTAL FLUX(lm)	1161.1	h UP, DN(C0-180)	0.5, 49.5	
NOMINAL FLUX(lm)	1161.06	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.5, 49.5	
LAMPS INSIDE	1	h up(%)	1.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	120	h down(%)	99.0	CIBSE SHR MAX	1.30	



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-06-15

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

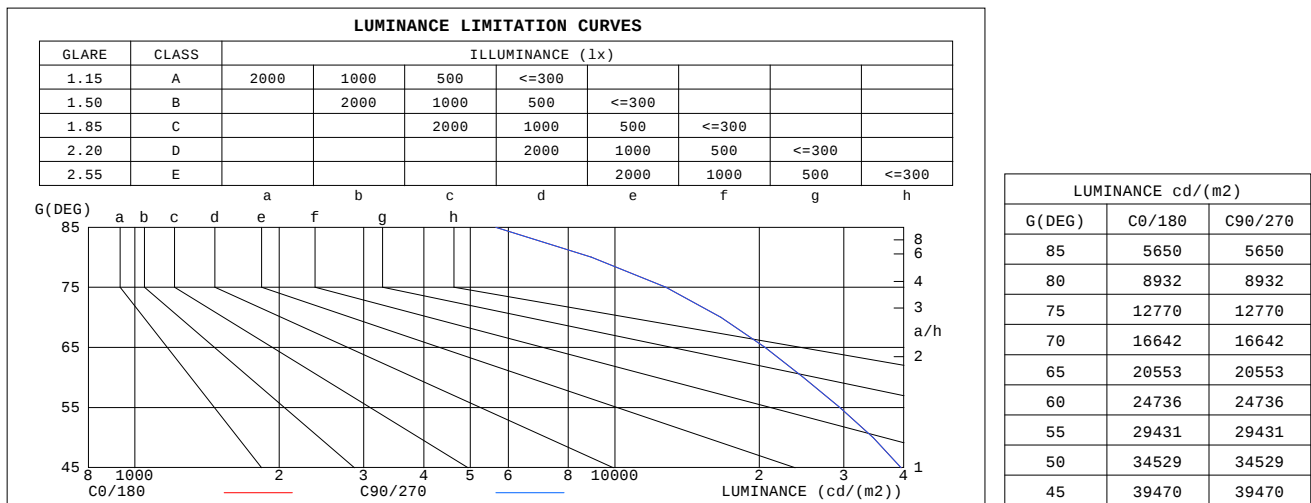
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum, lamp
10	531.3	531.3	531.3	531.3	531.3	531.3	531.3	531.3	0- 10	51.39	51.39	4.43, 4.43
20	492.9	492.9	492.9	492.9	492.9	492.9	492.9	492.9	10- 20	145.2	196.6	16.9, 16.9
30	429.6	429.6	429.6	429.6	429.6	429.6	429.6	429.6	20- 30	213.6	410.1	35.3, 35.3
40	335.1	335.1	335.1	335.1	335.1	335.1	335.1	335.1	30- 40	240.4	650.5	56, 56
50	221.9	221.9	221.9	221.9	221.9	221.9	221.9	221.9	40- 50	215.0	865.5	74.5, 74.5
60	123.7	123.7	123.7	123.7	123.7	123.7	123.7	123.7	50- 60	152.6	1018	87.7, 87.7
70	56.92	56.92	56.92	56.92	56.92	56.92	56.92	56.92	60- 70	87.59	1106	95.2, 95.2
80	15.51	15.51	15.51	15.51	15.51	15.51	15.51	15.51	70- 80	36.51	1142	98.4, 98.4
90	0.3973	0.3973	0.3973	0.3973	0.3973	0.3973	0.3973	0.3973	80- 90	7.010	1149	99, 99
100	0.7536	0.7536	0.7536	0.7536	0.7536	0.7536	0.7536	0.7536	90-100	0.6153	1150	99, 99
110	1.221	1.221	1.221	1.221	1.221	1.221	1.221	1.221	100-110	1.033	1151	99.1, 99.1
120	1.746	1.746	1.746	1.746	1.746	1.746	1.746	1.746	110-120	1.475	1152	99.2, 99.2
130	2.300	2.300	2.300	2.300	2.300	2.300	2.300	2.300	120-130	1.815	1154	99.4, 99.4
140	2.796	2.796	2.796	2.796	2.796	2.796	2.796	2.796	130-140	1.975	1156	99.6, 99.6
150	3.240	3.240	3.240	3.240	3.240	3.240	3.240	3.240	140-150	1.892	1158	99.7, 99.7
160	3.679	3.679	3.679	3.679	3.679	3.679	3.679	3.679	150-160	1.595	1160	99.9, 99.9
170	4.028	4.028	4.028	4.028	4.028	4.028	4.028	4.028	160-170	1.091	1161	100, 100
180	4.205	4.205	4.205	4.205	4.205	4.205	4.205	4.205	170-180	0.3925	1161	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-06-15

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.1*0.1	Shielding Angle:



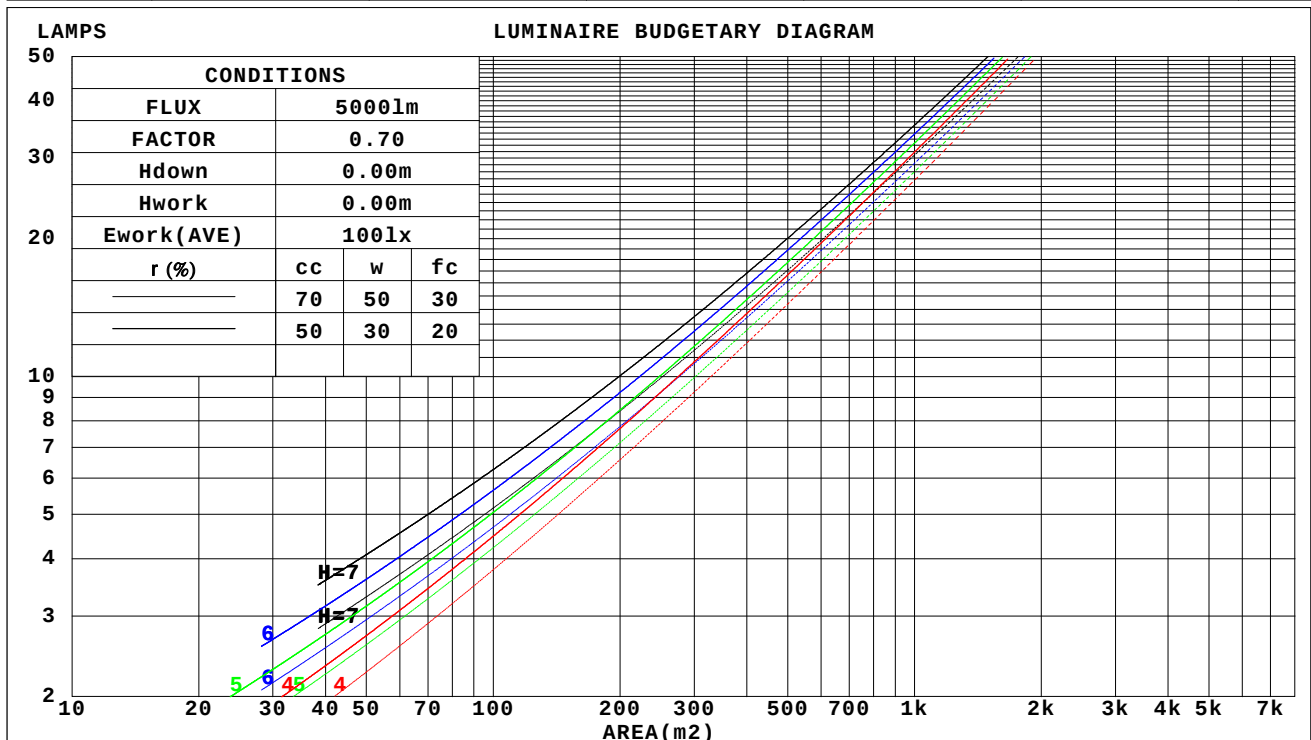
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2020-06-15

g Range: 0 - 180DEG
 g Interval: 5.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.1*0.1	Shielding Angle:

r cc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-06-15

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.1*0.1	Shielding Angle:

r cc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.258	.147	.047	.251	.143	.046	.238	.136	.044	.225	.130	.042	.214	.124	.040	
2.0	.249	.137	.042	.243	.134	.041	.231	.129	.040	.220	.124	.039	.210	.119	.037	
3.0	.236	.125	.038	.230	.123	.037	.220	.119	.036	.210	.115	.035	.201	.111	.034	
4.0	.221	.115	.034	.216	.113	.033	.207	.110	.033	.198	.106	.032	.190	.103	.031	
5.0	.207	.106	.031	.203	.104	.030	.195	.101	.030	.187	.099	.029	.180	.096	.029	
6.0	.194	.097	.028	.190	.096	.028	.183	.094	.027	.176	.092	.027	.170	.089	.027	
7.0	.183	.090	.026	.179	.089	.025	.173	.087	.025	.166	.085	.025	.161	.083	.025	
8.0	.172	.084	.024	.169	.083	.023	.163	.081	.023	.157	.080	.023	.152	.078	.023	
9.0	.162	.078	.022	.159	.078	.022	.154	.076	.022	.149	.075	.021	.144	.073	.021	
10.0	.153	.074	.020	.151	.073	.020	.146	.072	.020	.141	.070	.020	.137	.069	.020	

r cc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.198	.198	.198	.169	.169	.169	.116	.116	.116	.066	.066	.066	.021	.021	.021	
1.0	.185	.164	.146	.158	.141	.126	.108	.097	.087	.062	.056	.051	.020	.018	.016	
2.0	.175	.140	.111	.149	.121	.096	.102	.083	.067	.059	.049	.039	.019	.016	.013	
3.0	.166	.122	.087	.142	.105	.076	.098	.073	.053	.056	.043	.031	.018	.014	.010	
4.0	.158	.108	.071	.135	.094	.061	.093	.065	.043	.054	.038	.026	.017	.012	.008	
5.0	.151	.098	.059	.129	.085	.051	.089	.059	.036	.052	.035	.021	.017	.011	.007	
6.0	.144	.089	.050	.124	.077	.044	.085	.054	.031	.049	.032	.018	.016	.010	.006	
7.0	.137	.082	.043	.118	.071	.038	.082	.050	.027	.047	.029	.016	.015	.010	.005	
8.0	.131	.076	.039	.113	.066	.034	.078	.046	.024	.046	.027	.014	.015	.009	.005	
9.0	.126	.071	.035	.108	.062	.030	.075	.044	.021	.044	.026	.013	.014	.008	.004	
10.0	.120	.067	.032	.104	.058	.028	.072	.041	.020	.042	.024	.012	.014	.008	.004	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2020-06-15

g Range: 0 - 180DEG
 g Interval: 5.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

NAME: LED DOWNLIGHT					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.: ASD LIGHTING CORP					SUR.: 0.1*0.1			Shielding Angle:			
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H y = 2H	2H	23.5	24.8	23.7	25.0	25.2	23.5	24.8	23.7	25.0	25.2
	3H	24.1	25.3	24.4	25.6	25.8	24.1	25.3	24.4	25.6	25.8
	4H	24.2	25.4	24.5	25.7	25.9	24.2	25.4	24.5	25.7	25.9
	6H	24.3	25.4	24.6	25.6	25.9	24.3	25.4	24.6	25.6	25.9
	8H	24.2	25.3	24.6	25.6	25.9	24.2	25.3	24.6	25.6	25.9
	12H	24.2	25.2	24.6	25.5	25.8	24.2	25.2	24.6	25.5	25.8
4H	2H	23.7	24.9	24.0	25.2	25.4	23.7	24.9	24.0	25.2	25.4
	3H	24.5	25.5	24.8	25.8	26.1	24.5	25.5	24.8	25.8	26.1
	4H	24.7	25.6	25.1	26.0	26.3	24.7	25.6	25.1	26.0	26.3
	6H	24.8	25.6	25.2	26.0	26.3	24.8	25.6	25.2	26.0	26.3
	8H	24.8	25.5	25.2	25.9	26.3	24.8	25.5	25.2	25.9	26.3
	12H	24.8	25.4	25.2	25.8	26.3	24.8	25.4	25.2	25.8	26.3
8H	4H	24.7	25.5	25.1	25.9	26.3	24.7	25.5	25.1	25.9	26.3
	6H	24.9	25.5	25.3	25.9	26.3	24.9	25.5	25.3	25.9	26.3
	8H	24.9	25.4	25.3	25.9	26.3	24.9	25.4	25.3	25.9	26.3
	12H	24.9	25.3	25.4	25.8	26.3	24.9	25.3	25.4	25.8	26.3
12H	4H	24.7	25.4	25.1	25.8	26.2	24.7	25.4	25.1	25.8	26.2
	6H	24.8	25.4	25.3	25.8	26.3	24.8	25.4	25.3	25.8	26.3
	8H	24.8	25.3	25.3	25.8	26.3	24.8	25.3	25.3	25.8	26.3
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 0.5 / - 0.6					+ 0.5 / - 0.6					
1.5H	+ 0.3 / - 0.3					+ 0.3 / - 0.3					
2.0H	+ 1.0 / - 1.1					+ 1.0 / - 1.1					

CIE Pub.117, 1161 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.5$)
Area: 0.01 m²

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-06-15

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.1*0.1	Shielding Angle:

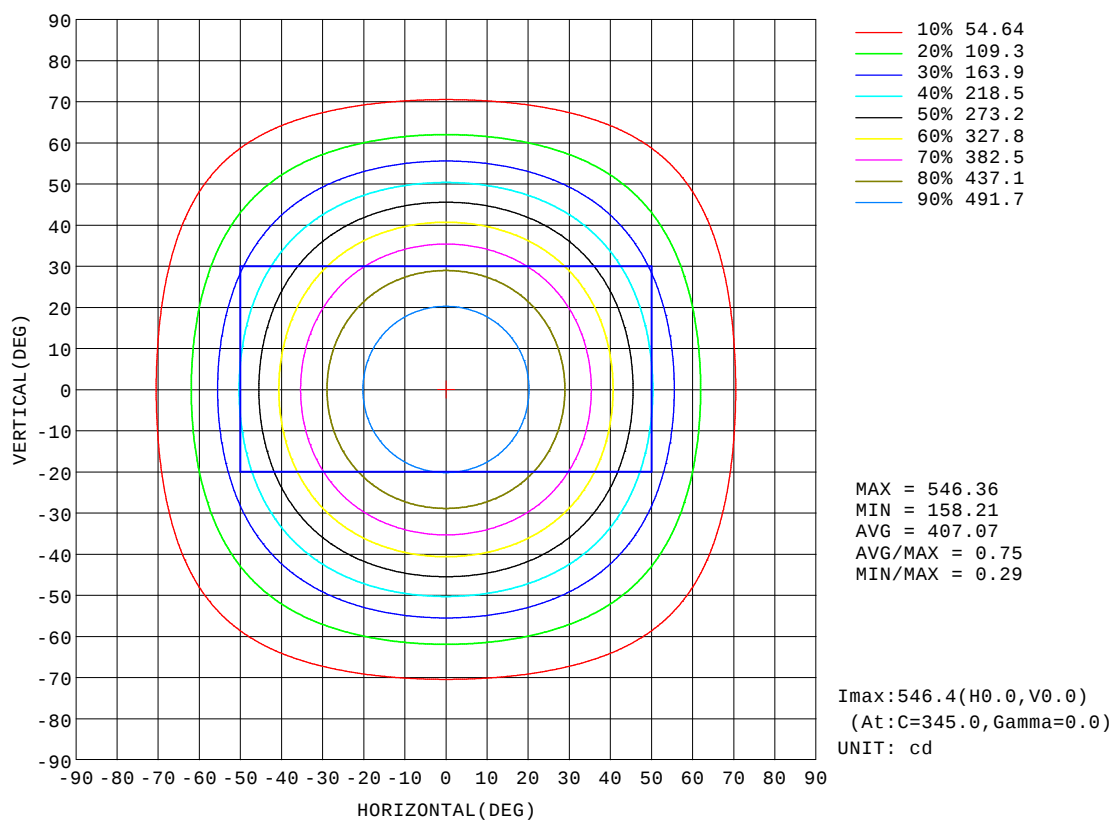
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	64	54	47	63	53	47	62	53	47	41
0.80	74	64	57	73	63	57	71	63	57	51
1.00	82	73	66	81	72	66	79	73	65	59
1.25	89	80	74	87	79	73	85	78	72	66
1.50	93	85	79	92	84	79	89	82	77	71
2.00	99	92	87	97	91	86	94	89	84	77
2.50	102	96	91	100	95	90	97	92	88	80
3.00	105	100	95	103	98	94	99	95	91	83
4.00	109	104	100	106	102	98	102	99	96	87
5.00	110	106	103	108	104	101	104	101	98	89
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-06-15

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.1*0.1	Shielding Angle:

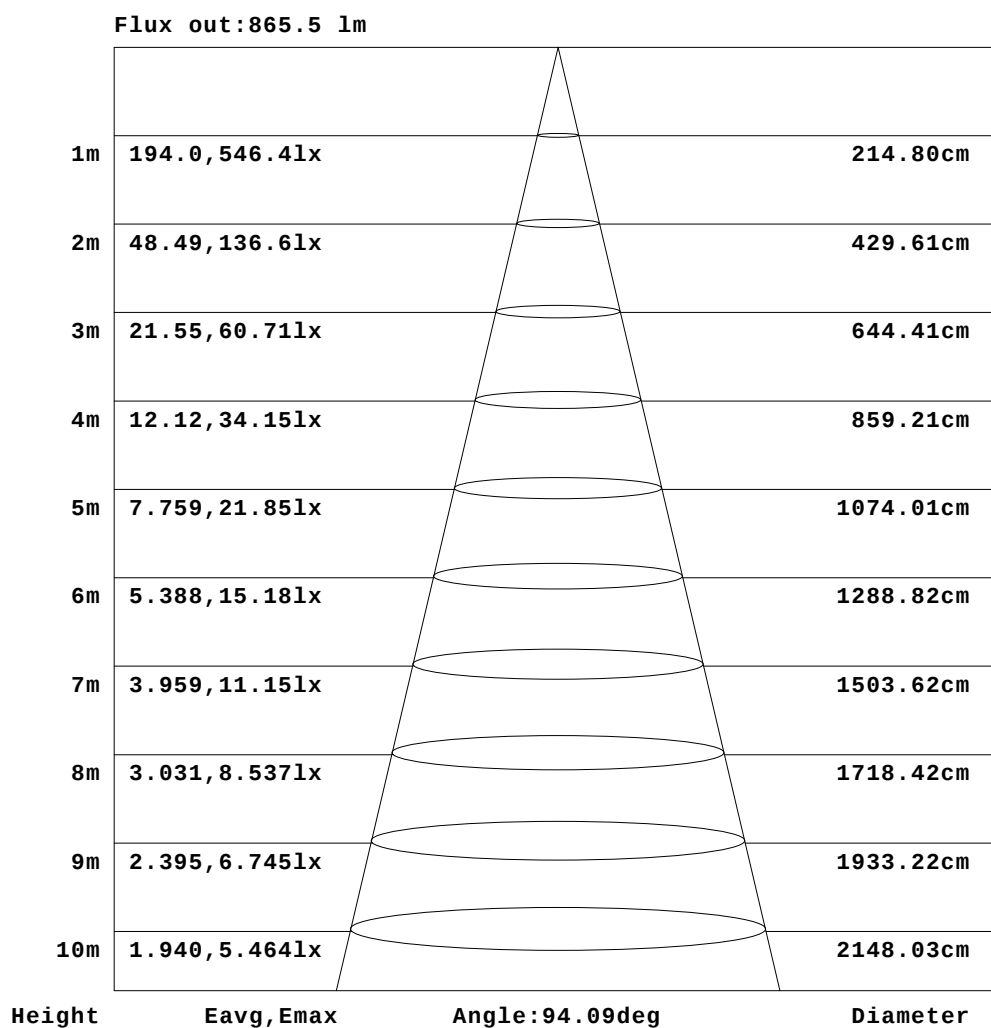


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-06-15

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

AAI Figure

NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.1*0.1	Shielding Angle:



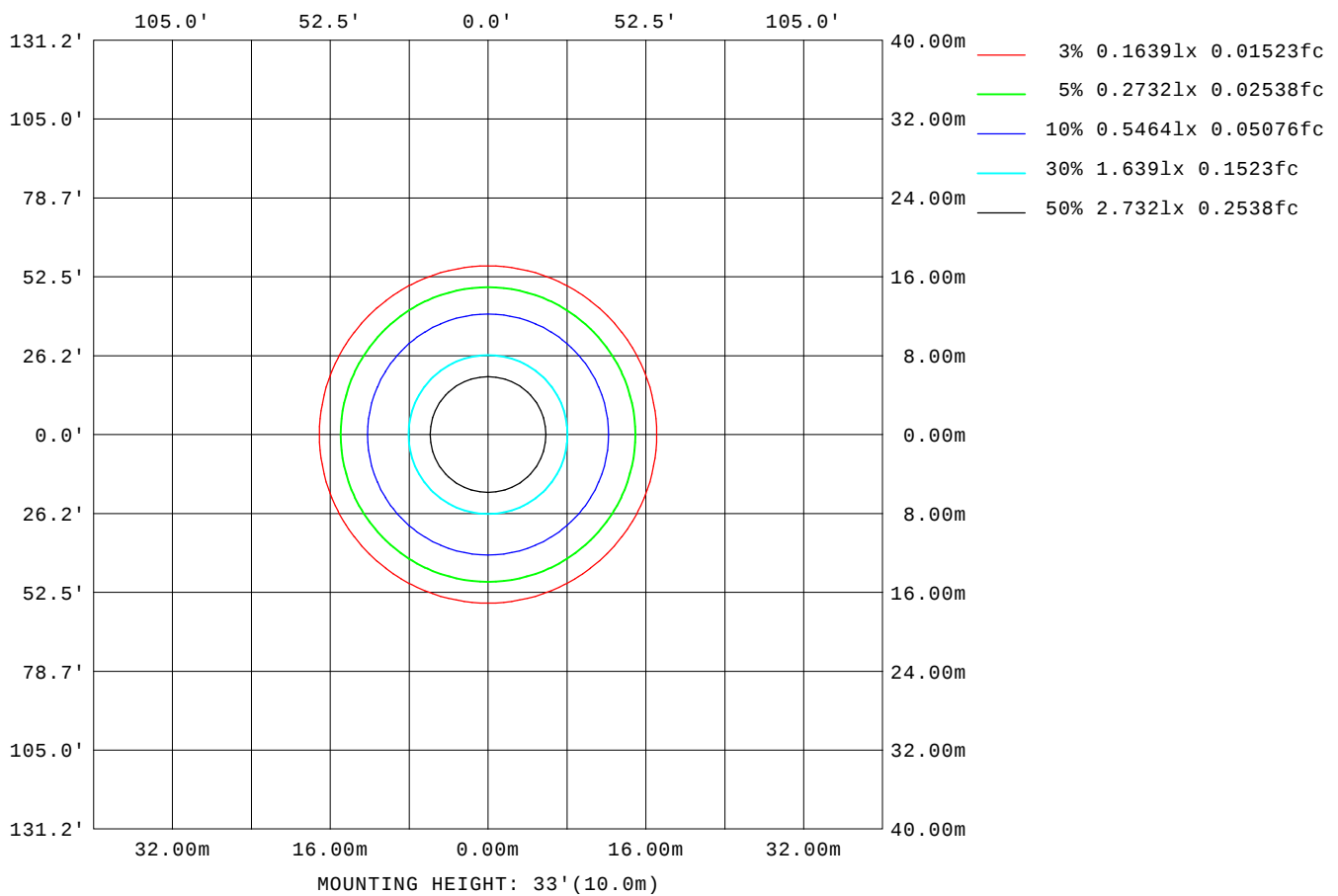
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.00DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-06-15

g Range: 0 - 180DEG
g Interval: 5.00DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.1*0.1	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2020-06-15

g Range: 0 - 180DEG
 g Interval: 5.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

LED Avg.L Report

NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.1*0.1	Shielding Angle:

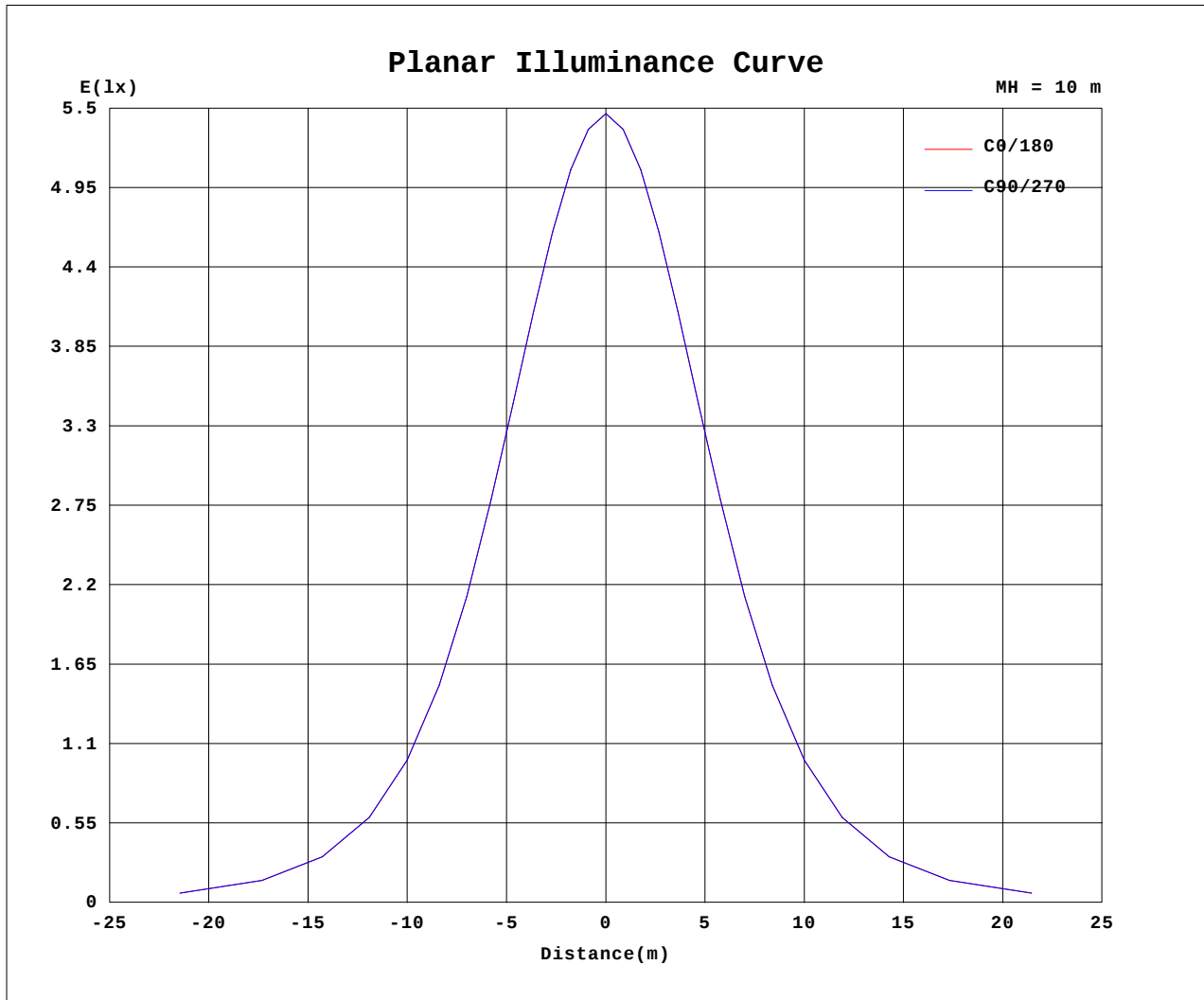
AvgL	cd/m2
L_0~180(65)av	20553
L_0~180(75)av	12770
L_0~180(85)av	5650
L_90~270(65)av	20553
L_90~270(75)av	12770
L_90~270(85)av	5650
L_45(65)av	20553
L_45(75)av	12770
L_45(85)av	5650

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-06-15

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2020-06-15

g Range: 0 - 180DEG
 g Interval: 5.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.1*0.1	Shielding Angle:

Table--1
UNIT: cd

C(DEC) g (DEC)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	546	546	546	546	546	546	546	546	546	546	546	546	546	546	546	546	546	546	546
5	542	542	542	542	542	542	542	542	542	542	542	542	542	542	542	542	542	542	542
10	531	531	531	531	531	531	531	531	531	531	531	531	531	531	531	531	531	531	531
15	515	515	515	515	515	515	515	515	515	515	515	515	515	515	515	515	515	515	515
20	493	493	493	493	493	493	493	493	493	493	493	493	493	493	493	493	493	493	493
25	464	464	464	464	464	464	464	464	464	464	464	464	464	464	464	464	464	464	464
30	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430
35	386	386	386	386	386	386	386	386	386	386	386	386	386	386	386	386	386	386	386
40	335	335	335	335	335	335	335	335	335	335	335	335	335	335	335	335	335	335	335
45	279	279	279	279	279	279	279	279	279	279	279	279	279	279	279	279	279	279	279
50	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222
55	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169
60	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
65	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
70	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
75	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
80	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
85	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92
90	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
95	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
100	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
105	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
110	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
115	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
120	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
125	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03
130	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
135	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56
140	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80
145	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02
150	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24
155	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45
160	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68
165	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87
170	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
175	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15
180	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-06-15

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.1*0.1	Shielding Angle:

Table--2
UNIT: cd

C(DEC) g (DEC)	285	300	315	330	345														
0	546	546	546	546	546														
5	542	542	542	542	542														
10	531	531	531	531	531														
15	515	515	515	515	515														
20	493	493	493	493	493														
25	464	464	464	464	464														
30	430	430	430	430	430														
35	386	386	386	386	386														
40	335	335	335	335	335														
45	279	279	279	279	279														
50	222	222	222	222	222														
55	169	169	169	169	169														
60	124	124	124	124	124														
65	86.9	86.9	86.9	86.9	86.9														
70	56.9	56.9	56.9	56.9	56.9														
75	33.1	33.1	33.1	33.1	33.1														
80	15.5	15.5	15.5	15.5	15.5														
85	4.92	4.92	4.92	4.92	4.92														
90	0.40	0.40	0.40	0.40	0.40														
95	0.55	0.55	0.55	0.55	0.55														
100	0.75	0.75	0.75	0.75	0.75														
105	0.97	0.97	0.97	0.97	0.97														
110	1.22	1.22	1.22	1.22	1.22														
115	1.49	1.49	1.49	1.49	1.49														
120	1.75	1.75	1.75	1.75	1.75														
125	2.03	2.03	2.03	2.03	2.03														
130	2.30	2.30	2.30	2.30	2.30														
135	2.56	2.56	2.56	2.56	2.56														
140	2.80	2.80	2.80	2.80	2.80														
145	3.02	3.02	3.02	3.02	3.02														
150	3.24	3.24	3.24	3.24	3.24														
155	3.45	3.45	3.45	3.45	3.45														
160	3.68	3.68	3.68	3.68	3.68														
165	3.87	3.87	3.87	3.87	3.87														
170	4.03	4.03	4.03	4.03	4.03														
175	4.15	4.15	4.15	4.15	4.15														
180	4.20	4.20	4.20	4.20	4.20														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-06-15

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks: