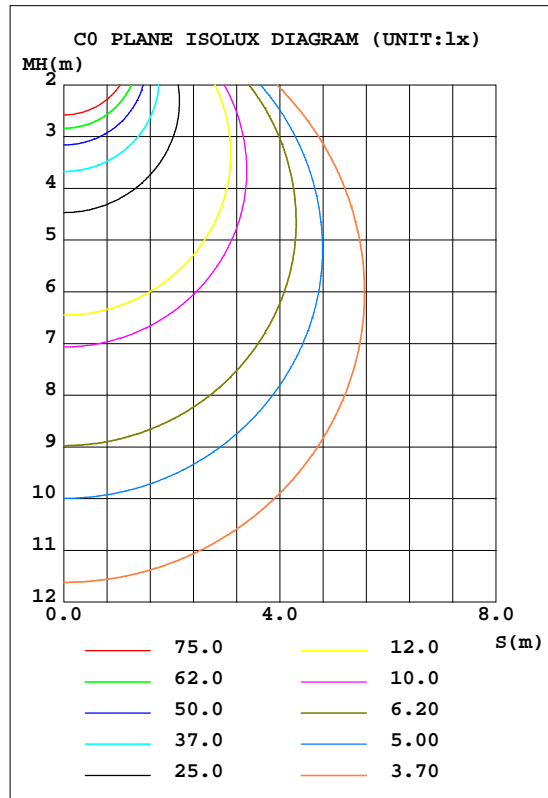
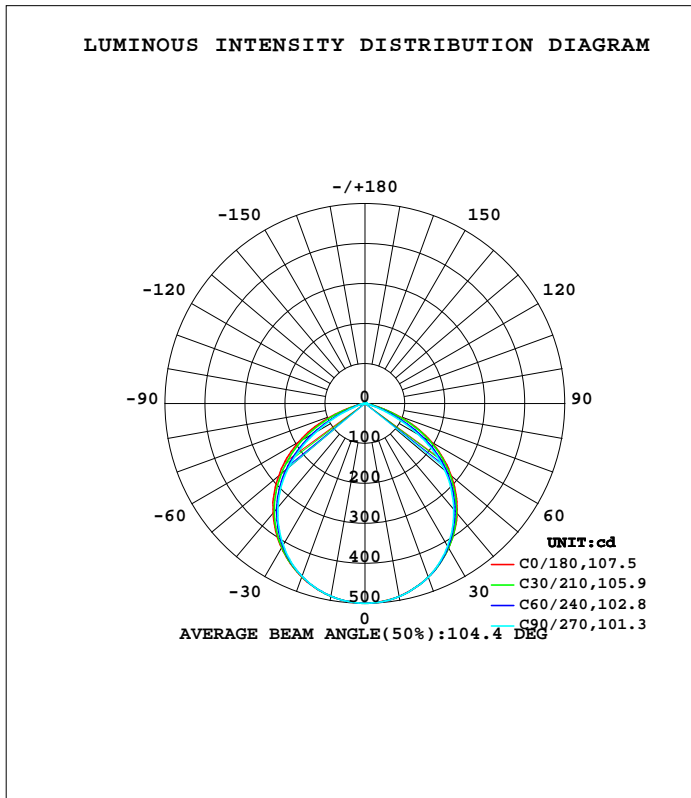


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.16V I:0.1166A P:13.382W PF:0.9552 Freq:59.98Hz Lamp Flux:1217.7x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	ASD-LRKR-6D15CC-WH	Imax(cd)	499.8	S/MH(C0/180)	1.24
NOMINAL POWER(W)	15W	LOR(%)	100.0	S/MH(C90/270)	1.22
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1217.7	h UP, DN(C0-180)	0.5,50.1
NOMINAL FLUX(lm)	1217.7	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.5,49.0
LAMPS INSIDE	1	h up(%)	0.9	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	h down(%)	99.1	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-04-05

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.000m [K=1.1125]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

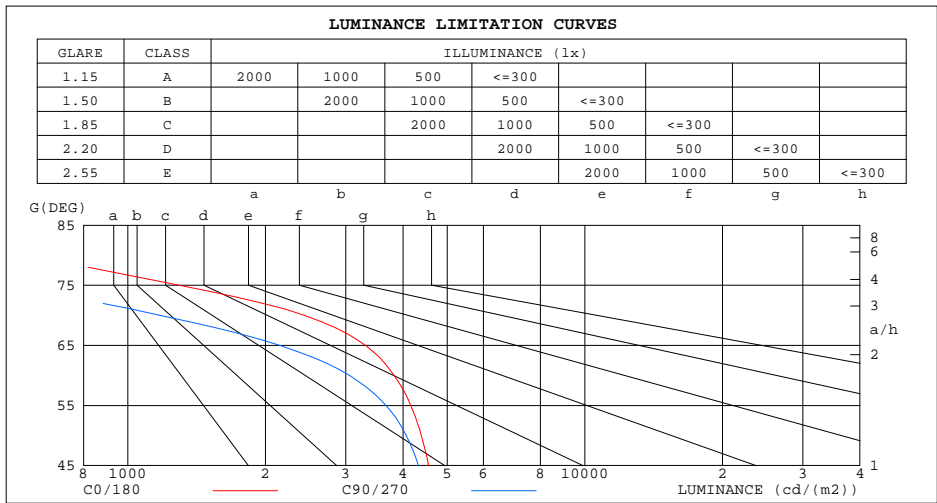
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	489.9	490.5	490.3	490.3	489.8	489.2	489.3	489.9	0- 10	47.23	47.23	3.88,3.88
20	462.1	463.1	462.5	462.5	461.9	460.6	460.6	461.5	10- 20	134.9	182.1	15,15
30	417.8	417.4	412.8	416.1	417.4	413.1	409.1	414.3	20- 30	203.0	385.1	31.6,31.6
40	358.2	354.3	345.5	352.3	357.7	347.3	339.6	348.8	30- 40	240.5	625.6	51.4,51.4
50	282.0	275.6	261.6	273.0	281.9	264.3	250.4	266.4	40- 50	240.2	865.8	71.1,71.1
60	191.4	179.6	153.0	175.3	190.9	163.6	137.7	165.2	50- 60	197.3	1063	87.3,87.3
70	83.14	66.19	40.22	58.04	80.37	53.31	35.27	52.46	60- 70	111.5	1175	96.5,96.5
80	10.69	8.741	6.919	8.045	10.06	7.932	6.833	7.993	70- 80	27.93	1203	98.8,98.8
90	0.4785	0.5852	0.3306	0.4068	0.4798	0.5698	0.3397	0.3527	80- 90	3.716	1206	99.1,99.1
100	0.8858	1.048	0.6852	0.7027	0.8477	0.9918	0.6303	0.6352	90-100	0.6489	1207	99.1,99.1
110	1.376	1.461	1.148	1.188	1.316	1.416	1.082	1.114	100-110	1.083	1208	99.2,99.2
120	1.900	1.862	1.683	1.712	1.818	1.817	1.617	1.594	110-120	1.492	1209	99.3,99.3
130	2.402	2.175	2.129	2.158	2.292	2.068	2.124	2.090	120-130	1.769	1211	99.5,99.5
140	2.709	2.626	2.603	2.593	2.582	2.515	2.509	2.530	130-140	1.849	1213	99.6,99.6
150	3.132	3.066	3.065	3.050	3.000	2.982	2.972	2.993	140-150	1.767	1215	99.8,99.8
160	3.551	3.529	3.473	3.451	3.451	3.467	3.429	3.428	150-160	1.497	1216	99.9,99.9
170	3.796	3.780	3.801	3.769	3.735	3.751	3.763	3.763	160-170	1.024	1217	100,100
180	3.980	3.991	3.975	4.002	3.975	3.991	3.975	4.002	170-180	0.3685	1218	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:2021-04-05

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.000m [K=1.1125]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.16V I:0.1166A P:13.382W PF:0.9552 Freq:59.98Hz Lamp Flux:1217.7x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	509	152
80	615	398
75	1295	565
70	2431	1176
65	3313	2152
60	3829	3060
55	4161	3676
50	4388	4070
45	4555	4328

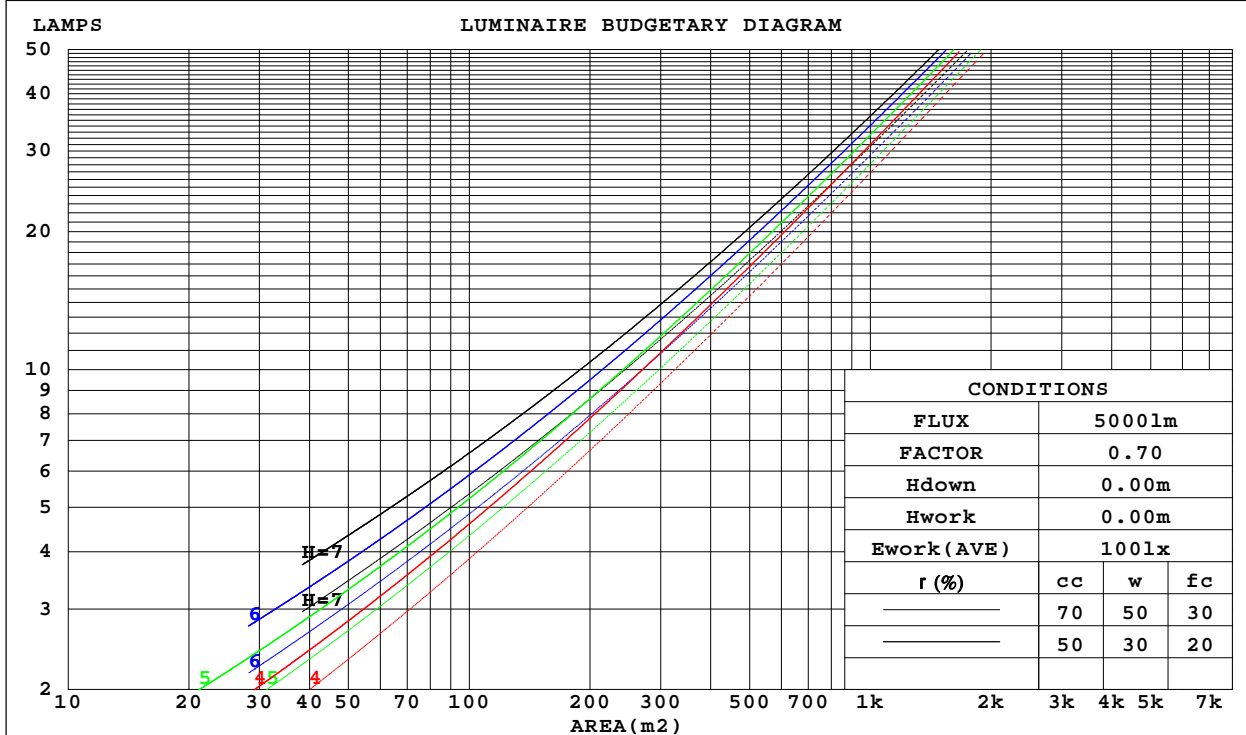
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-04-05

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.000m [K=1.1125]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.16V I:0.1166A P:13.382W PF:0.9552 Freq:59.98Hz Lamp Flux:1217.7x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.:	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 Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.06	1.03	.99	1.04	1.01	.98	.90	.97	.94	.96	.93	.91	.92	.90	.89	.86
2.0	.94	.88	.83	.92	.87	.82	.89	.84	.80	.85	.81	.78	.82	.79	.76	.74
3.0	.84	.76	.70	.82	.75	.70	.79	.73	.68	.76	.71	.67	.73	.69	.66	.64
4.0	.75	.66	.60	.73	.66	.60	.71	.64	.59	.68	.63	.58	.66	.61	.57	.55
5.0	.67	.59	.52	.66	.58	.52	.64	.57	.51	.62	.56	.51	.60	.54	.50	.48
6.0	.60	.52	.46	.59	.52	.46	.58	.51	.45	.56	.50	.45	.54	.49	.44	.42
7.0	.55	.47	.41	.54	.46	.41	.53	.45	.40	.51	.45	.40	.50	.44	.40	.38
8.0	.50	.42	.36	.49	.42	.36	.48	.41	.36	.47	.40	.36	.46	.40	.36	.34
9.0	.46	.38	.33	.46	.38	.33	.44	.37	.33	.43	.37	.32	.42	.36	.32	.30
10.0	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.29	.39	.33	.29	.28



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-04-05

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.1125]
 Remarks:

WEC AND CCEC

Test:U:120.16V I:0.1166A P:13.382W PF:0.9552 Freq:59.98Hz Lamp Flux:1217.7x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.:	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	.261	.148	.047	.254	.145	.046	.240	.138	.044	.228	.131	.042	.216	.125	.040	
2.0	.255	.140	.043	.249	.137	.042	.237	.132	.041	.226	.127	.040	.216	.122	.038	
3.0	.242	.129	.039	.236	.127	.038	.226	.122	.037	.216	.118	.036	.207	.115	.036	
4.0	.228	.118	.035	.223	.117	.034	.213	.113	.034	.205	.110	.033	.197	.107	.033	
5.0	.213	.109	.032	.209	.107	.031	.201	.105	.031	.193	.102	.030	.186	.099	.030	
6.0	.200	.100	.029	.196	.099	.029	.189	.097	.028	.182	.095	.028	.175	.092	.027	
7.0	.188	.093	.026	.184	.092	.026	.178	.090	.026	.171	.088	.026	.166	.086	.025	
8.0	.177	.086	.024	.174	.085	.024	.168	.084	.024	.162	.082	.024	.157	.080	.023	
9.0	.166	.081	.022	.164	.080	.022	.158	.078	.022	.153	.077	.022	.148	.075	.022	
10.0	.157	.075	.021	.155	.075	.021	.150	.073	.021	.145	.072	.020	.141	.071	.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	.115	.115	.115	.066	.066	.066	.021	.021	.021	
1.0	.184	.164	.146	.158	.141	.125	.108	.097	.087	.062	.056	.050	.020	.018	.016	
2.0	.175	.139	.110	.150	.120	.095	.102	.083	.066	.059	.048	.039	.019	.016	.013	
3.0	.166	.121	.086	.143	.105	.074	.098	.073	.052	.057	.043	.031	.018	.014	.010	
4.0	.159	.108	.069	.136	.093	.060	.094	.065	.042	.054	.038	.025	.017	.012	.008	
5.0	.152	.097	.057	.130	.084	.050	.090	.059	.035	.052	.035	.021	.017	.011	.007	
6.0	.145	.089	.049	.125	.077	.042	.086	.054	.030	.050	.032	.018	.016	.010	.006	
7.0	.139	.082	.042	.119	.071	.037	.082	.050	.026	.048	.029	.015	.015	.010	.005	
8.0	.133	.076	.037	.114	.066	.033	.079	.046	.023	.046	.027	.014	.015	.009	.005	
9.0	.127	.071	.034	.109	.062	.029	.076	.043	.021	.044	.026	.012	.014	.008	.004	
10.0	.122	.067	.031	.105	.058	.027	.073	.041	.019	.042	.024	.011	.014	.008	.004	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-04-05

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.000m [K=1.1125]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.16V I:0.1166A P:13.382W PF:0.9552 Freq:59.98Hz Lamp Flux:1217.7x1 lm										
NAME: LED DOWNLIGHT					TYPE:			WEIGHT:		
SPEC.: 4000K					DIM.:			SERIAL No.:		
MFR.: ASD LIGHTNG CORP					SUR.:			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	17.3	18.8	17.7	19.2	19.5	16.3	17.8	16.7	18.2	18.5
3H	18.4	19.8	18.8	20.1	20.5	16.7	18.0	17.1	18.4	18.8
4H	18.6	19.8	19.0	20.2	20.6	16.7	17.9	17.1	18.3	18.7
6H	18.6	19.7	19.0	20.1	20.5	16.7	17.8	17.1	18.2	18.6
8H	18.5	19.6	19.0	20.0	20.5	16.6	17.7	17.1	18.1	18.6
12H	18.5	19.6	19.0	20.0	20.4	16.6	17.6	17.0	18.1	18.5
4H 2H	17.7	18.9	18.1	19.3	19.7	16.7	18.0	17.2	18.4	18.8
3H	18.9	19.9	19.3	20.3	20.7	17.2	18.2	17.6	18.6	19.1
4H	19.0	20.0	19.5	20.4	20.9	17.2	18.1	17.6	18.6	19.0
6H	19.0	19.8	19.5	20.3	20.8	17.2	18.0	17.6	18.4	18.9
8H	19.0	19.8	19.5	20.2	20.7	17.1	17.9	17.6	18.3	18.8
12H	19.0	19.7	19.5	20.2	20.7	17.1	17.8	17.6	18.3	18.8
8H 4H	19.0	19.7	19.5	20.2	20.7	17.2	17.9	17.7	18.4	18.9
6H	19.0	19.6	19.5	20.1	20.6	17.2	17.8	17.7	18.3	18.8
8H	19.0	19.5	19.5	20.0	20.6	17.1	17.7	17.7	18.2	18.7
12H	19.0	19.4	19.5	20.0	20.5	17.1	17.6	17.6	18.1	18.7
12H 4H	18.9	19.6	19.4	20.1	20.6	17.2	17.8	17.7	18.3	18.8
6H	19.0	19.5	19.5	20.0	20.6	17.1	17.7	17.7	18.2	18.7
8H	18.9	19.4	19.5	19.9	20.5	17.1	17.6	17.6	18.1	18.7
CIE190: 2010										

CIE190: 2010
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-04-05

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.000m [K=1.1125]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.16V I:0.1166A P:13.382W PF:0.9552 Freq:59.98Hz Lamp Flux:1217.7x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.:	Shielding Angle:

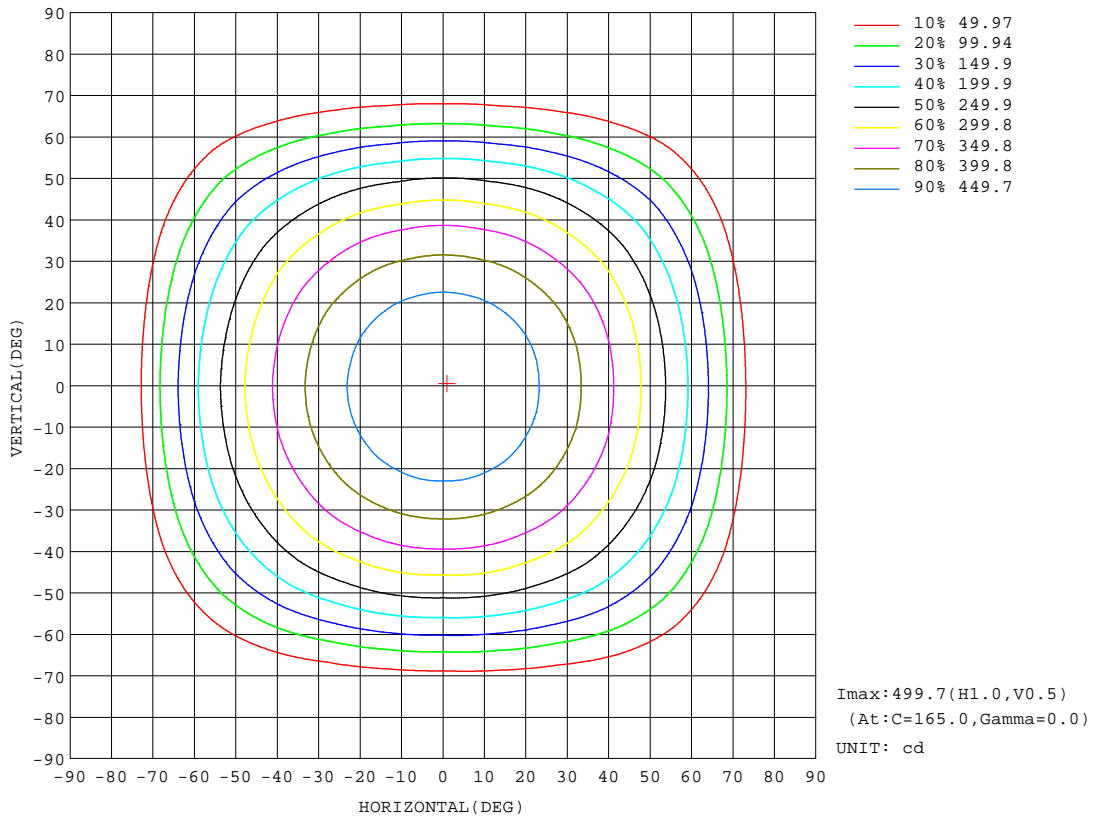
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	61	50	43	60	50	43	59	49	43	37
0.80	71	61	54	70	60	54	69	59	53	47
1.00	80	70	63	79	69	63	77	70	63	56
1.25	87	78	71	86	77	71	83	76	70	63
1.50	92	83	77	90	82	77	87	81	75	68
2.00	98	91	85	97	90	85	93	87	83	76
2.50	102	95	90	100	94	89	96	91	87	79
3.00	105	99	94	103	97	93	99	94	91	83
4.00	108	103	99	106	102	98	102	98	95	87
5.00	110	106	103	108	104	101	103	100	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: 2021-04-05

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.000m [K=1.1125]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.16V I:0.1166A P:13.382W PF:0.9552 Freq:59.98Hz Lamp Flux:1217.7x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.:	Shielding Angle:

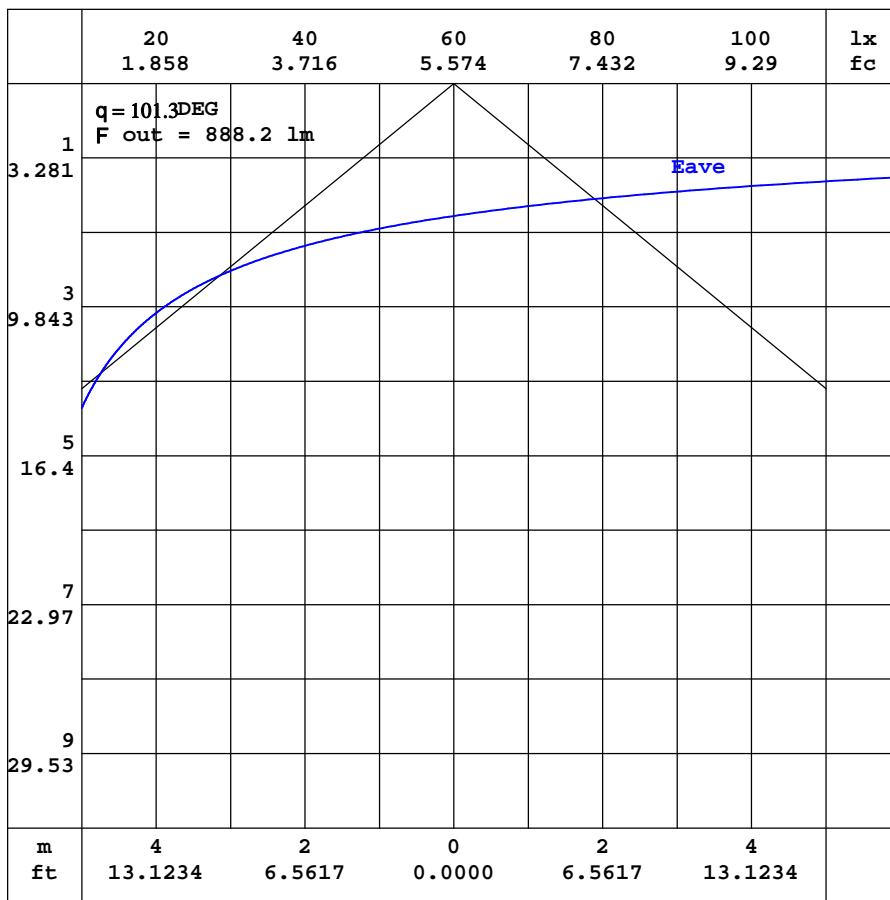


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-04-05

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.000m [K=1.1125]
 Remarks:

AAI CURVES

Test:U:120.16V I:0.1166A P:13.382W PF:0.9552 Freq:59.98Hz Lamp Flux:1217.7x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.:	Shielding Angle:



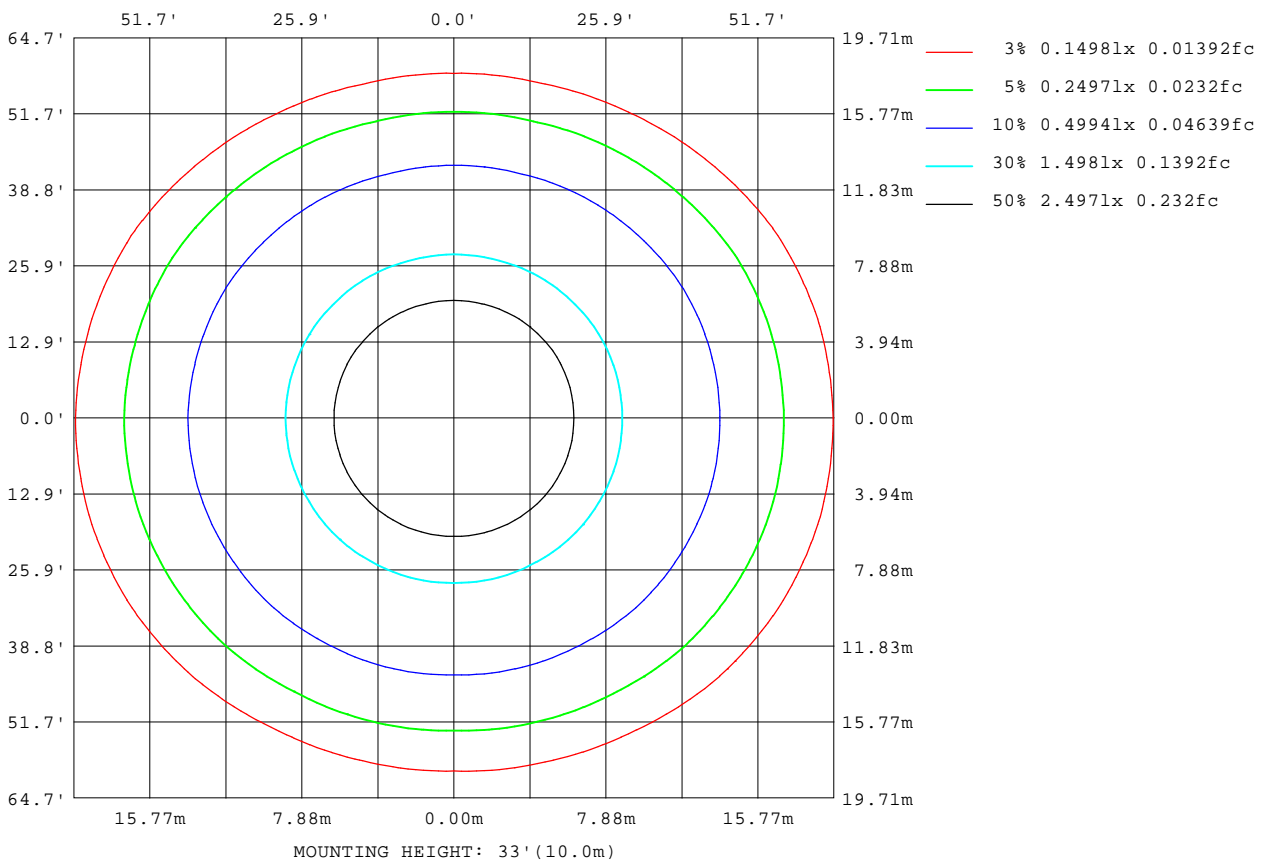
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-04-05

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.1125]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.16V I:0.1166A P:13.382W PF:0.9552 Freq:59.98Hz Lamp Flux:1217.7x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-04-05

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.1125]
 Remarks:

LED Avg.L Report

Test:U:120.16V I:0.1166A P:13.382W PF:0.9552 Freq:59.98Hz Lamp Flux:1217.7x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.:	Shielding Angle:

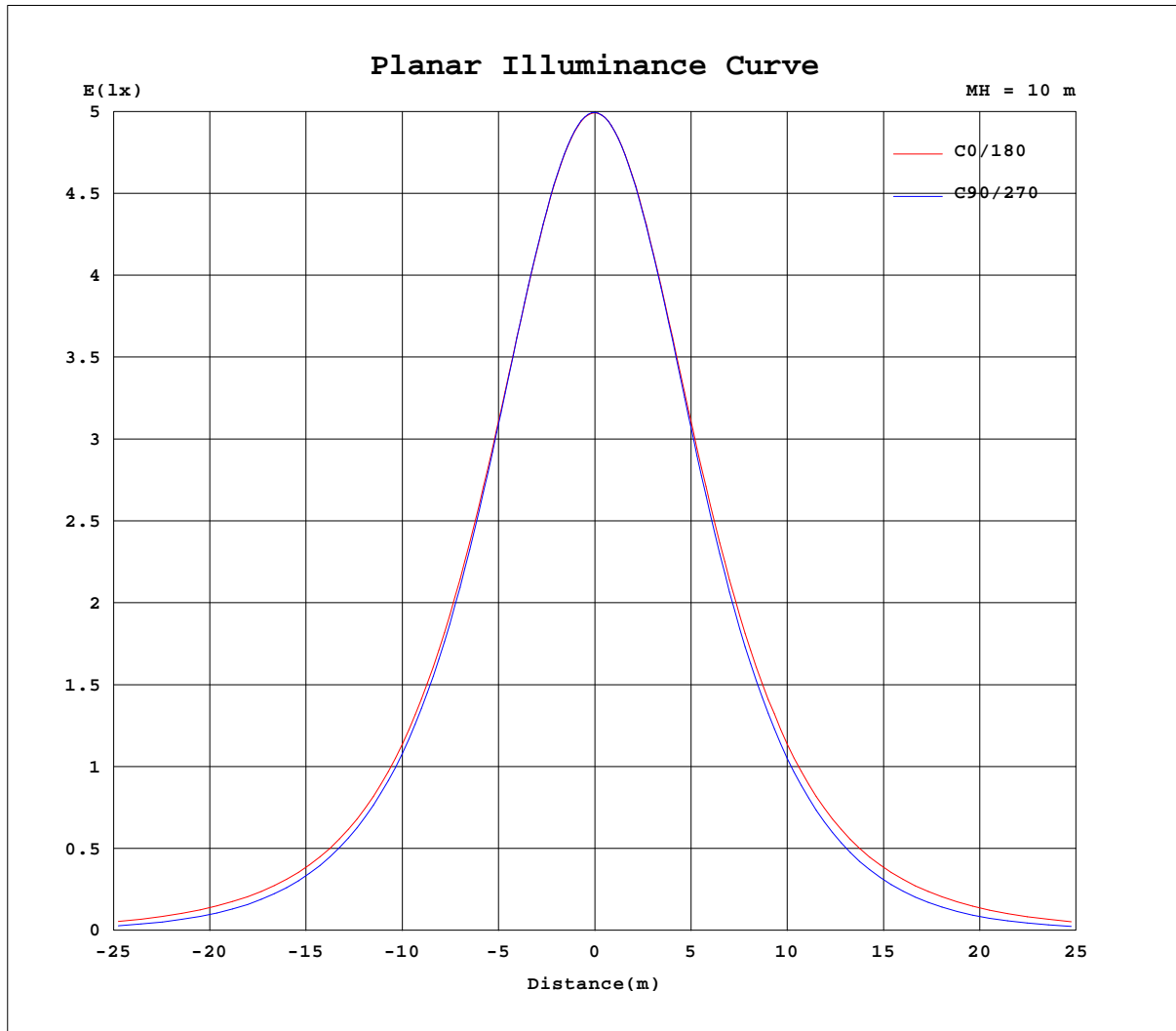
AvgL	cd/m2
L_0~180(65)av	3291
L_0~180(75)av	1259
L_0~180(85)av	490
L_90~270(65)av	2011
L_90~270(75)av	556
L_90~270(85)av	173
L_45(65)av	2683
L_45(75)av	831
L_45(85)av	319

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-04-05

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.000m [K=1.1125]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-04-05

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.1125]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.16V I:0.1166A P:13.382W PF:0.9552 Freq:59.98Hz Lamp Flux:1217.7x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	499	499	499	499	499	499	499	500	500	500	500	500	499	499	499	499	499	499	499
5	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497
10	490	490	490	491	490	490	490	490	490	490	490	490	490	489	490	489	489	489	489
15	478	479	479	479	479	479	479	479	479	479	478	478	478	477	478	477	477	477	477
20	462	463	463	463	463	463	462	463	462	462	462	462	462	461	461	461	461	460	461
25	442	443	442	443	442	441	440	441	441	442	442	442	442	441	441	439	439	437	438
30	418	419	418	417	415	414	413	414	414	416	417	417	417	416	416	413	412	409	409
35	390	391	390	388	385	383	381	382	384	386	388	390	390	388	387	383	380	376	376
40	358	359	356	354	350	348	345	347	348	352	354	357	358	356	353	347	344	339	340
45	322	323	319	317	311	309	306	309	310	315	316	321	322	318	315	308	303	297	298
50	282	283	278	276	269	266	262	264	266	273	275	280	282	277	273	264	258	250	250
55	239	239	234	230	220	215	211	214	218	227	231	236	238	233	228	216	207	197	197
60	191	192	187	180	166	158	153	156	162	175	183	189	191	185	178	164	150	140	138
65	140	140	135	123	106	96.2	91.0	93.4	101	117	130	137	138	133	124	107	91.2	81.2	79.0
70	83.1	84.1	78.3	66.2	51.4	44.2	40.2	41.5	46.1	58.0	70.4	78.3	80.4	76.6	69.1	53.3	42.3	36.4	35.3
75	33.5	34.5	31.4	25.0	18.8	15.9	14.6	14.9	16.6	20.8	25.5	30.1	31.7	29.9	26.4	20.1	16.7	14.3	14.2
80	10.7	10.9	9.88	8.74	7.78	7.26	6.92	7.04	7.27	8.05	8.84	9.76	10.1	9.73	9.07	7.93	7.39	6.87	6.83
85	4.43	4.32	5.98	3.28	2.15	1.74	1.32	1.50	1.81	2.42	3.07	3.83	4.10	3.89	3.36	2.63	2.21	1.81	1.70
90	0.48	0.59	0.62	0.59	0.49	0.40	0.33	0.30	0.30	0.41	0.50	0.55	0.48	0.59	0.58	0.57	0.42	0.35	0.34
95	0.68	0.76	0.94	0.78	0.62	0.55	0.50	0.45	0.43	0.50	0.60	0.67	0.65	0.78	0.70	0.72	0.56	0.50	0.44
100	0.89	0.99	1.28	1.05	0.85	0.72	0.69	0.64	0.62	0.70	0.80	0.87	0.85	1.01	0.90	0.99	0.74	0.67	0.63
105	1.11	1.21	1.45	1.32	1.05	0.93	0.90	0.87	0.86	0.94	1.04	1.09	1.06	1.28	1.23	1.28	0.96	0.87	0.85
110	1.38	1.44	1.55	1.46	1.29	1.19	1.15	1.12	1.11	1.19	1.28	1.35	1.32	1.48	1.46	1.42	1.22	1.12	1.08
115	1.65	1.68	1.74	1.65	1.54	1.45	1.42	1.37	1.39	1.45	1.54	1.62	1.58	1.66	1.66	1.62	1.47	1.39	1.35
120	1.90	1.91	1.92	1.86	1.81	1.72	1.68	1.65	1.64	1.71	1.81	1.86	1.82	1.86	1.86	1.82	1.72	1.66	1.62
125	2.15	2.15	2.13	1.92	2.05	1.97	1.94	1.90	1.91	1.91	2.03	2.10	2.05	2.10	2.07	1.86	1.96	1.91	1.87
130	2.40	2.39	2.33	2.17	2.28	2.12	2.13	2.12	2.13	2.16	2.20	2.33	2.29	2.29	2.27	2.07	2.19	2.15	2.12
135	2.49	2.47	2.45	2.41	2.51	2.48	2.37	2.39	2.37	2.40	2.41	2.45	2.36	2.36	2.33	2.30	2.40	2.37	2.35
140	2.71	2.69	2.65	2.63	2.68	2.66	2.60	2.62	2.59	2.59	2.64	2.68	2.58	2.57	2.55	2.51	2.50	2.59	2.51
145	2.96	3.02	2.88	2.84	2.83	2.84	2.84	2.82	2.81	2.82	2.86	2.98	2.80	2.91	2.78	2.74	2.73	2.81	2.74
150	3.13	3.11	3.09	3.07	3.06	3.06	3.07	3.04	3.03	3.05	3.08	3.11	3.00	3.00	2.99	2.98	2.96	2.97	2.97
155	3.32	3.29	3.28	3.27	3.28	3.29	3.29	3.29	3.27	3.26	3.28	3.30	3.19	3.21	3.20	3.20	3.19	3.21	3.22
160	3.55	3.47	3.47	3.53	3.54	3.47	3.47	3.46	3.48	3.45	3.48	3.52	3.45	3.41	3.40	3.47	3.46	3.42	3.43
165	3.70	3.63	3.63	3.70	3.71	3.65	3.65	3.61	3.62	3.63	3.63	3.67	3.62	3.60	3.59	3.63	3.63	3.61	3.61
170	3.80	3.79	3.78	3.78	3.81	3.81	3.80	3.76	3.77	3.77	3.80	3.80	3.74	3.77	3.76	3.75	3.74	3.74	3.76
175	3.91	3.91	3.91	3.92	3.93	3.91	3.89	3.89	3.90	3.92	3.93	3.92	3.86	3.89	3.90	3.91	3.89	3.89	3.87
180	3.98	3.97	3.97	3.99	3.99	3.97	3.97	3.96	3.99	4.00	4.00	3.98	3.97	3.97	3.99	3.99	3.99	3.97	3.97

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-04-05

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.000m [K=1.1125]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.16V I:0.1166A P:13.382W PF:0.9552 Freq:59.98Hz Lamp Flux:1217.7x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) g (DEG)	285	300	315	330	345														
0	500	500	500	500	500														
5	497	497	497	497	498														
10	489	490	490	490	490														
15	477	478	478	479	479														
20	460	461	462	462	463														
25	438	440	440	442	442														
30	409	412	414	417	418														
35	377	380	384	388	391														
40	339	345	349	355	358														
45	298	305	309	317	321														
50	252	260	266	276	280														
55	199	209	219	230	236														
60	140	151	165	181	188														
65	80.6	90.8	107	126	136														
70	36.2	42.0	52.5	68.3	79.1														
75	14.3	16.8	20.0	26.1	30.9														
80	6.89	7.49	7.99	9.23	10.2														
85	1.80	2.24	2.79	3.52	4.10														
90	0.26	0.29	0.35	0.41	0.42														
95	0.41	0.37	0.44	0.51	0.55														
100	0.60	0.57	0.64	0.70	0.76														
105	0.82	0.80	0.87	0.93	0.96														
110	1.07	1.05	1.11	1.17	1.23														
115	1.32	1.32	1.38	1.44	1.50														
120	1.58	1.58	1.59	1.70	1.75														
125	1.84	1.82	1.84	1.94	1.98														
130	2.07	2.07	2.09	2.14	2.23														
135	2.30	2.30	2.31	2.33	2.35														
140	2.52	2.51	2.53	2.55	2.57														
145	2.76	2.74	2.76	2.78	2.88														
150	2.99	2.98	2.99	2.99	3.01														
155	3.27	3.23	3.22	3.21	3.22														
160	3.47	3.47	3.43	3.41	3.45														
165	3.63	3.61	3.61	3.58	3.66														
170	3.78	3.77	3.76	3.76	3.77														
175	3.90	3.91	3.93	3.90	3.91														
180	3.96	3.97	4.00	4.00	3.98														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-04-05

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.000m [K=1.1125]
 Remarks: