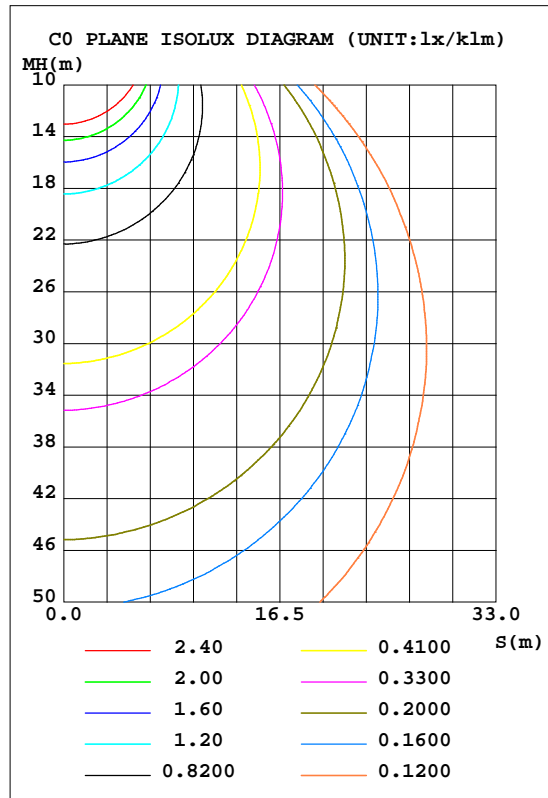
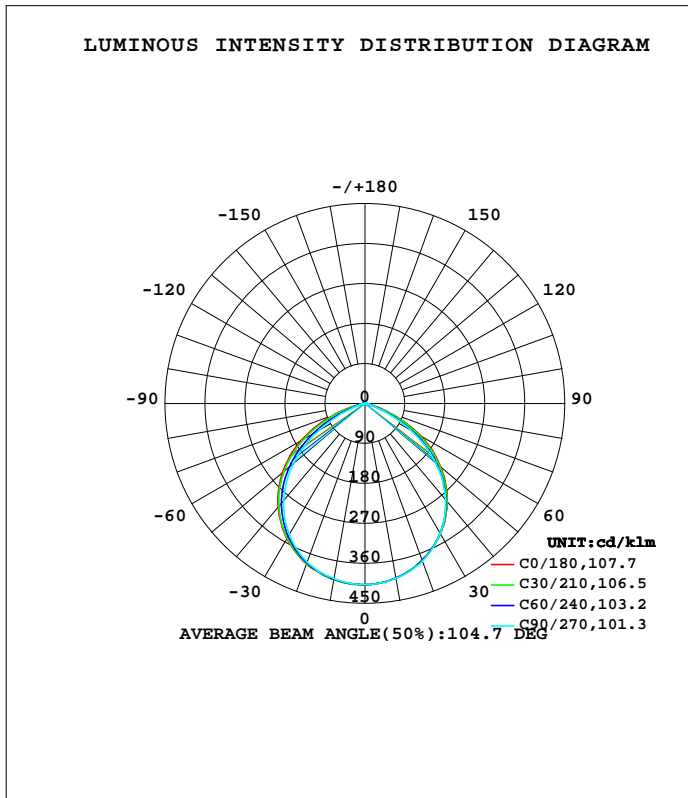


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.13V I:0.0939A P:9.3112W PF:0.8255 Freq:59.98Hz Lamp Flux:709.959x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 76.25 lm/W			
MODEL: MR16-4D10AC-WH(4000K)		I <sub>max</sub> (cd/klm)	408.4	S/MH(C0/180)	1.28
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	120	TOTAL FLUX(lm/klm)	1000.00	h UP, DN(C0-180)	0.5, 49.3
NOMINAL FLUX(lm)	709.959	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.4, 49.8
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: 2022-03-07

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=1.0163]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

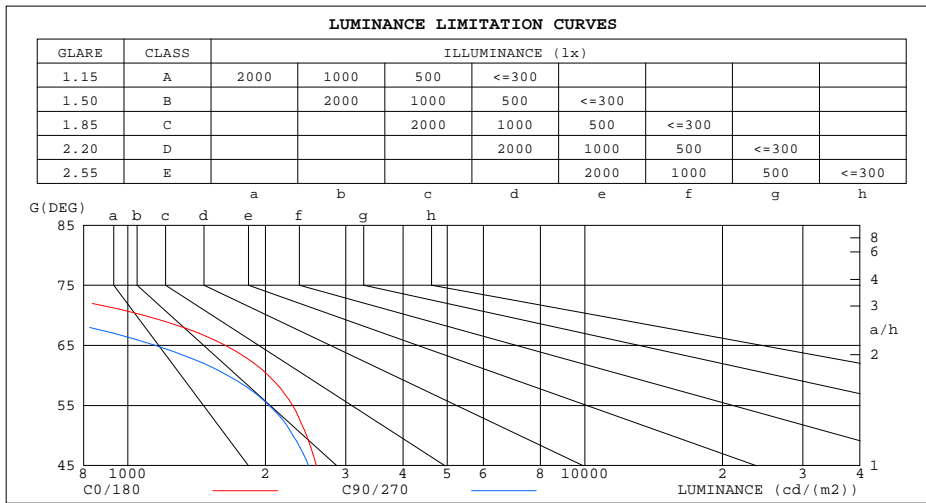
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	399.0	399.8	399.8	401.6	402.3	402.2	400.3	399.7	0- 10	38.59	38.59	3.86,3.86
20	375.7	378.3	377.1	382.6	384.5	381.9	380.1	376.6	10- 20	110.6	149.2	14.9,14.9
30	338.8	340.5	338.3	346.7	351.4	346.2	341.2	338.8	20- 30	167.2	316.4	31.6,31.6
40	288.5	287.5	282.6	295.4	304.0	296.1	285.1	285.1	30- 40	199.0	515.5	51.5,51.5
50	223.1	218.1	208.1	228.0	242.6	229.1	210.4	214.8	40- 50	198.7	714.2	71.4,71.4
60	143.0	131.8	116.5	142.8	164.9	145.4	117.4	128.9	50- 60	161.2	875.3	87.5,87.5
70	52.21	41.21	30.44	48.29	73.23	51.90	30.81	37.97	60- 70	88.48	963.8	96.4,96.4
80	9.876	8.879	8.082	10.16	12.16	10.17	8.052	8.321	70- 80	23.11	986.9	98.7,98.7
90	0.2292	0.1967	0.1246	0.1834	0.5526	0.1841	0.0658	0.1574	80- 90	4.006	990.9	99.1,99.1
100	0.6681	0.5118	0.4710	0.4723	0.4985	0.3865	0.3345	0.4519	90-100	0.3180	991.3	99.1,99.1
110	1.094	0.9904	1.008	1.003	0.9049	0.7994	0.8323	0.9762	100-110	0.7475	992.0	99.2,99.2
120	1.553	1.449	1.466	1.462	1.344	1.278	1.343	1.461	110-120	1.178	993.2	99.3,99.3
130	1.992	1.889	1.892	1.862	1.790	1.711	1.795	1.881	120-130	1.472	994.7	99.5,99.5
140	2.320	2.197	2.252	2.111	2.124	2.013	2.168	2.091	130-140	1.562	996.2	99.6,99.6
150	2.569	2.518	2.495	2.452	2.419	2.380	2.429	2.438	140-150	1.448	997.7	99.8,99.8
160	2.864	2.839	2.888	2.832	2.727	2.721	2.823	2.825	150-160	1.209	998.9	99.9,99.9
170	3.080	3.062	3.058	3.035	2.989	2.983	2.999	3.041	160-170	0.8276	999.7	100,100
180	3.192	3.206	3.189	3.218	3.185	3.200	3.183	3.218	170-180	0.2959	1000.0	100,100
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-03-07

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=1.0163]  
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.13V I:0.0939A P:9.3112W PF:0.8255 Freq:59.98Hz Lamp Flux:709.959x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	322	124
80	404	331
75	520	395
70	1083	632
65	1636	1150
60	2030	1655
55	2296	2040
50	2464	2300
45	2585	2488

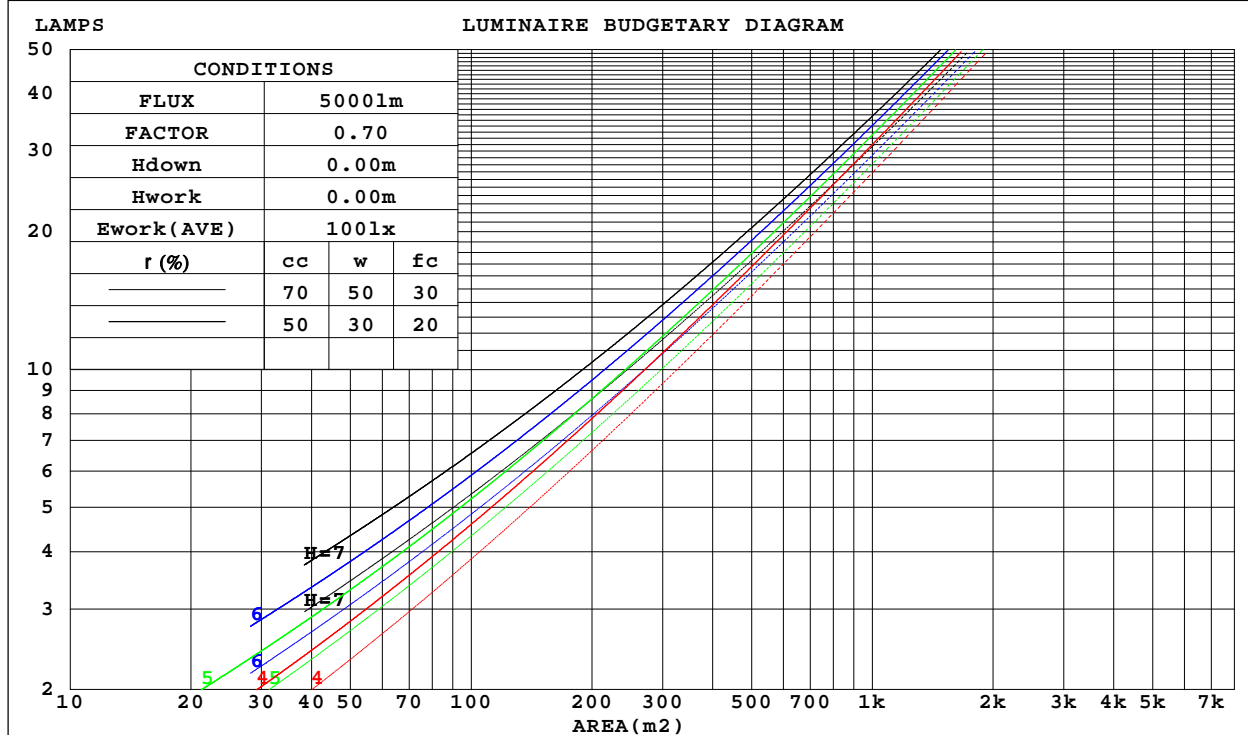
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-03-07

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=1.0163]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.13V I:0.0939A P:9.3112W PF:0.8255 Freq:59.98Hz Lamp Flux:709.959x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

r <sub>cc</sub>	80%			70%			50%			30%			10%			0
r <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r <sub>fc</sub>	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	.74	.69	.66	.64
4.0	.75	.67	.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	.61	.52	.46	.60	.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	.37	.50	.42	.36	.48	.41	.36	.47	.41	.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	.30	.39	.33	.29	.28



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-03-07

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=1.0163]  
 Remarks:

WEC AND CCEC

Test:U:120.13V I:0.0939A P:9.3112W PF:0.8255 Freq:59.98Hz Lamp Flux:709.959x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING 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	.248	.137	.042	.237	.132	.041	.226	.127	.040	.216	.122	.038	
3.0	.242	.129	.039	.236	.126	.038	.226	.122	.037	.216	.118	.036	.207	.115	.035	
4.0	.227	.118	.035	.222	.116	.034	.213	.113	.034	.205	.110	.033	.196	.107	.033	
5.0	.213	.109	.031	.209	.107	.031	.201	.104	.031	.193	.102	.030	.186	.099	.030	
6.0	.200	.100	.029	.196	.099	.028	.189	.097	.028	.182	.094	.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	.173	.085	.024	.167	.084	.024	.162	.082	.024	.157	.080	.023	
9.0	.166	.080	.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	.197	.197	.197	.169	.169	.169	.115	.115	.115	.066	.066	.066	.021	.021	.021	
1.0	.184	.164	.145	.157	.140	.125	.108	.097	.086	.062	.056	.050	.020	.018	.016	
2.0	.174	.139	.110	.149	.120	.095	.102	.083	.066	.059	.048	.039	.019	.016	.013	
3.0	.166	.121	.085	.142	.105	.074	.098	.073	.052	.056	.042	.031	.018	.014	.010	
4.0	.159	.108	.069	.136	.093	.060	.094	.065	.042	.054	.038	.025	.017	.012	.008	
5.0	.151	.097	.057	.130	.084	.049	.090	.059	.035	.052	.034	.021	.017	.011	.007	
6.0	.145	.089	.048	.124	.077	.042	.086	.054	.030	.050	.032	.018	.016	.010	.006	
7.0	.138	.082	.042	.119	.071	.036	.082	.050	.026	.048	.029	.015	.015	.010	.005	
8.0	.132	.076	.037	.114	.066	.032	.079	.046	.023	.046	.027	.014	.015	.009	.005	
9.0	.127	.071	.033	.109	.062	.029	.076	.043	.021	.044	.026	.012	.014	.008	.004	
10.0	.121	.067	.030	.105	.058	.026	.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:2022-03-07

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=1.0163]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.13V I:0.0939A P:9.3112W PF:0.8255 Freq:59.98Hz Lamp Flux:709.959x1 lm										
NAME: LED DOWNLIGHT					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: ASD LIGHTING 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	16.1	17.6	16.5	17.9	18.3	15.4	16.9	15.7	17.2	17.5
3H	16.9	18.3	17.3	18.6	19.0	15.7	17.1	16.1	17.4	17.8
4H	17.0	18.2	17.4	18.6	19.0	15.8	17.0	16.2	17.4	17.8
6H	17.0	18.1	17.4	18.5	18.9	15.8	16.9	16.2	17.3	17.7
8H	17.0	18.1	17.4	18.5	18.9	15.7	16.8	16.2	17.3	17.7
12H	16.9	18.0	17.4	18.4	18.8	15.7	16.8	16.2	17.2	17.6
4H 2H	16.3	17.6	16.8	18.0	18.4	15.8	17.1	16.2	17.5	17.9
3H	17.2	18.3	17.7	18.7	19.1	16.3	17.3	16.7	17.7	18.1
4H	17.3	18.2	17.8	18.7	19.1	16.3	17.2	16.8	17.7	18.1
6H	17.3	18.1	17.8	18.6	19.1	16.3	17.1	16.8	17.6	18.1
8H	17.3	18.1	17.8	18.5	19.0	16.3	17.1	16.8	17.5	18.0
12H	17.3	18.0	17.8	18.5	19.0	16.3	17.0	16.8	17.5	17.9
8H 4H	17.3	18.0	17.7	18.5	19.0	16.3	17.1	16.8	17.5	18.0
6H	17.3	17.9	17.8	18.4	18.9	16.4	17.0	16.9	17.5	18.0
8H	17.3	17.8	17.8	18.4	18.9	16.4	16.9	16.9	17.4	17.9
12H	17.3	17.8	17.8	18.3	18.9	16.3	16.8	16.9	17.3	17.9
12H 4H	17.2	17.9	17.7	18.4	18.9	16.3	17.0	16.8	17.5	18.0
6H	17.3	17.8	17.8	18.3	18.9	16.4	16.9	16.9	17.4	17.9
8H	17.3	17.8	17.8	18.3	18.9	16.4	16.8	16.9	17.4	17.9
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:2022-03-07

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=1.0163]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:120.13V I:0.0939A P:9.3112W PF:0.8255 Freq:59.98Hz Lamp Flux:709.959x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

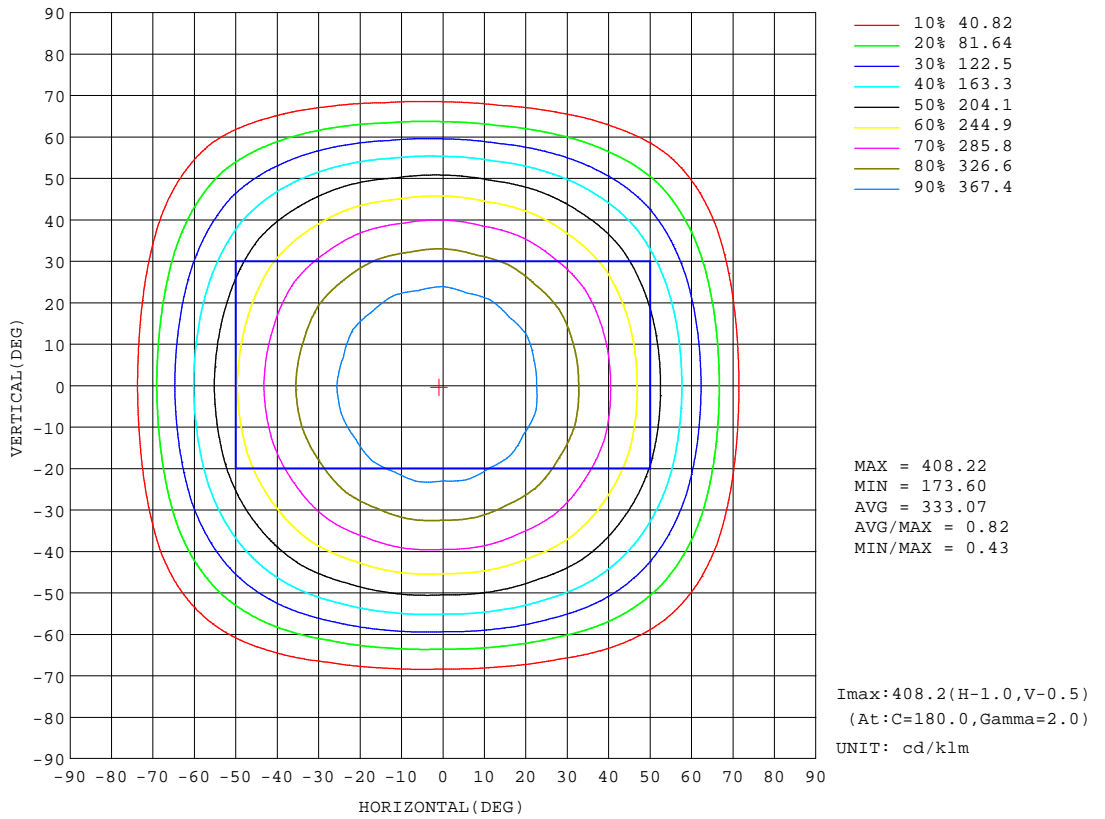
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	61	50	43	60	50	43	59	49	43	37
0.80	71	61	54	70	60	54	69	59	53	47
1.00	80	70	64	79	70	63	77	71	63	56
1.25	87	78	72	86	77	71	83	76	70	64
1.50	92	83	77	90	82	77	87	81	76	69
2.00	98	91	86	97	90	85	93	88	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: 2022-03-07

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=1.0163]  
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.13V I:0.0939A P:9.3112W PF:0.8255 Freq:59.98Hz Lamp Flux:709.959x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-03-07

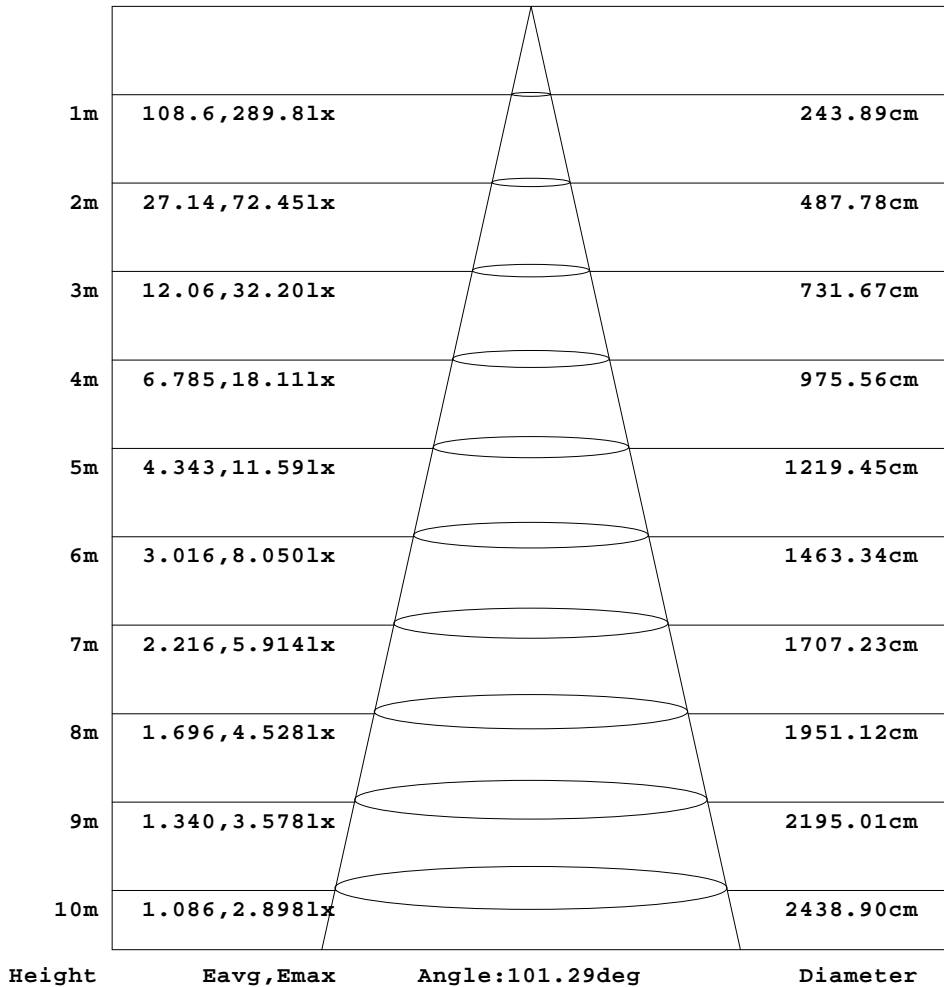
g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.426  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0163]  
 Remarks:



AAI Figure

Test:U:120.13V I:0.0939A P:9.3112W PF:0.8255 Freq:59.98Hz Lamp Flux:709.959x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

Flux out:520.1 lm



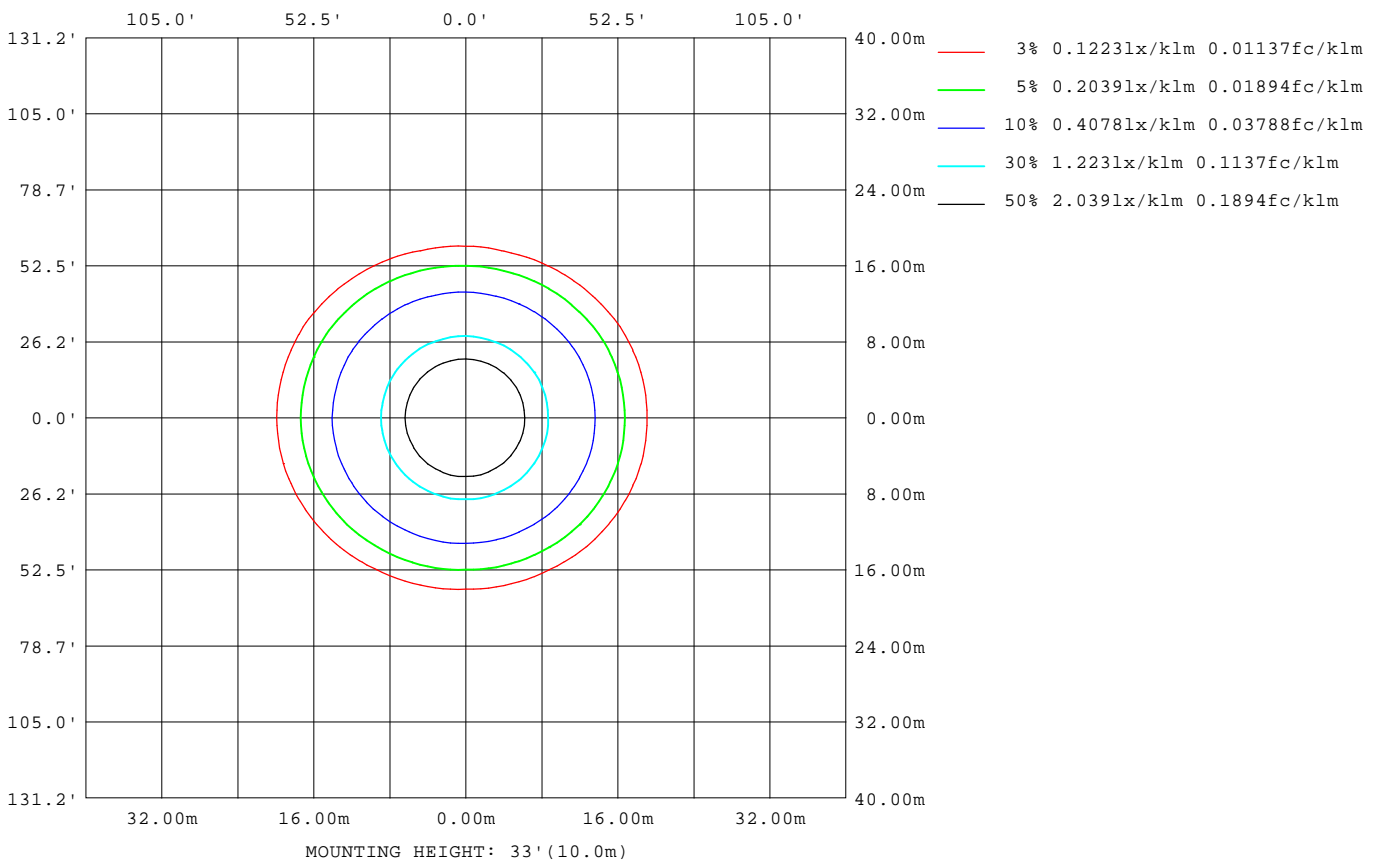
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-03-07

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=1.0163]  
 Remarks:

ISOLUX DIAGRAM

Test:U:120.13V I:0.0939A P:9.3112W PF:0.8255 Freq:59.98Hz Lamp Flux:709.959x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-03-07

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=1.0163]  
 Remarks:

## LED Avg.L Report

Test:U:120.13V I:0.0939A P:9.3112W PF:0.8255 Freq:59.98Hz Lamp Flux:709.959x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

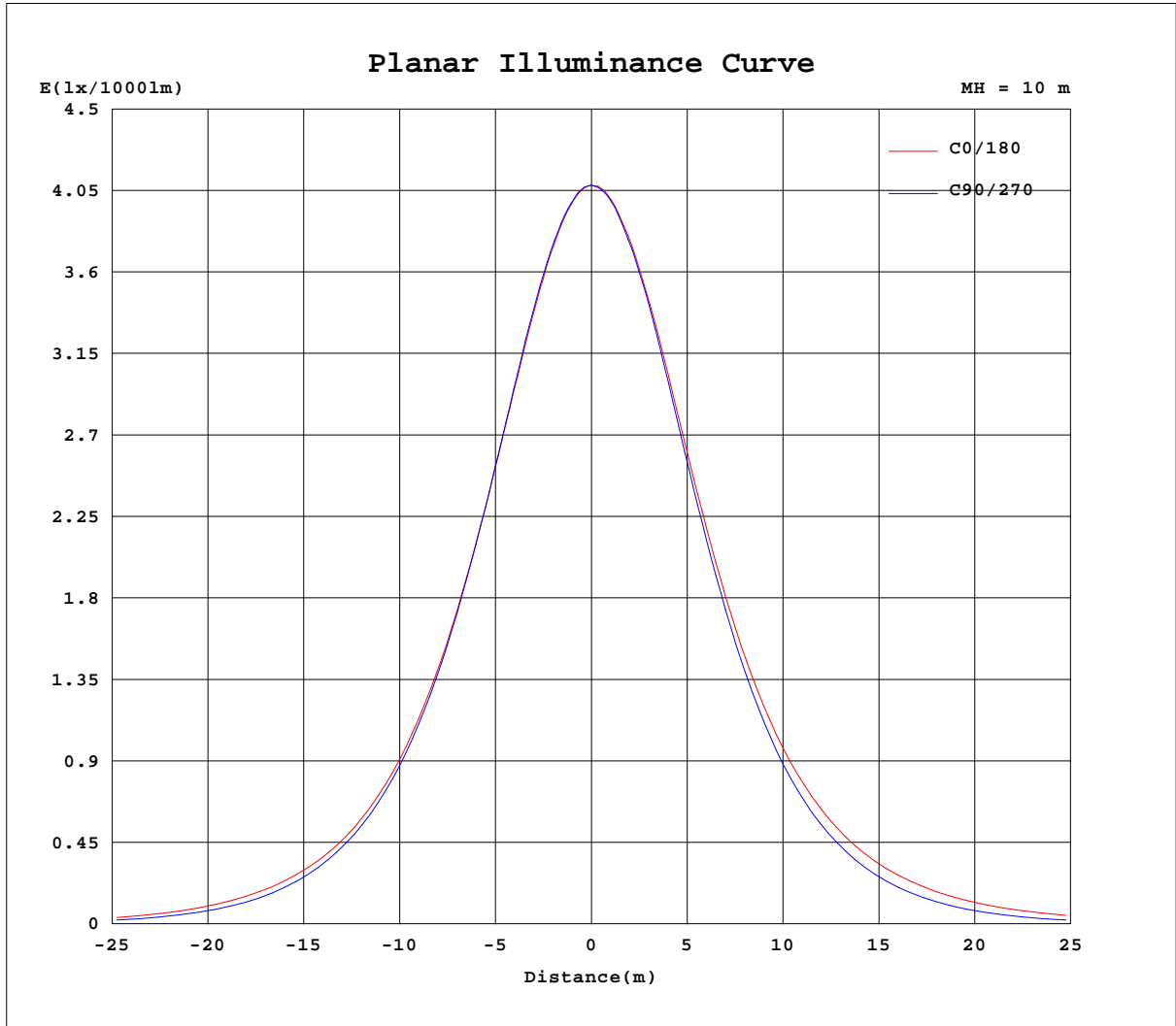
AvgL	cd/m2
L_0~180(65)av	1827
L_0~180(75)av	690
L_0~180(85)av	409
L_90~270(65)av	1154
L_90~270(75)av	395
L_90~270(85)av	121
L_45(65)av	1501
L_45(75)av	476
L_45(85)av	229

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-03-07

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=1.0163]  
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-03-07

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=1.0163]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.13V I:0.0939A P:9.3112W PF:0.8255 Freq:59.98Hz Lamp Flux:709.959x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

Table--1

UNIT: cd/klm

C(DEG) g (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408
5	406	405	405	406	405	406	405	406	407	407	407	407	407	407	407	407	406	406	406
10	399	400	399	400	399	400	400	400	401	402	402	402	402	403	402	402	401	401	400
15	389	391	389	392	390	392	391	392	392	394	393	394	395	394	394	394	393	392	392
20	376	378	376	378	376	379	377	380	380	383	381	384	385	383	384	382	382	379	380
25	359	361	359	361	359	361	360	363	363	367	366	369	370	367	369	366	366	362	363
30	339	341	339	340	338	340	338	342	342	347	347	350	351	349	350	346	346	341	341
35	316	317	315	316	313	314	313	317	318	323	324	328	329	327	328	323	321	316	315
40	288	290	287	287	283	284	283	287	289	295	297	302	304	302	302	296	293	286	285
45	258	259	256	255	250	250	248	253	256	264	267	273	275	273	272	265	260	252	250
50	223	224	220	218	211	210	208	214	218	228	233	240	243	240	238	229	222	213	210
55	186	186	181	177	170	166	165	170	177	188	195	203	206	202	199	190	180	170	166
60	143	143	138	132	123	119	116	122	130	143	153	161	165	162	157	145	134	122	117
65	97.4	97.4	91.9	84.5	74.5	70.2	68.4	73.1	80.6	94.3	107	116	120	118	111	97.9	84.9	73.6	69.0
70	52.2	52.7	48.0	41.2	33.6	31.2	30.4	33.2	37.8	48.3	59.6	69.7	73.2	70.9	65.1	51.9	41.0	33.3	30.8
75	19.0	19.4	17.7	15.8	14.3	14.3	14.4	15.0	15.6	18.8	23.8	29.5	31.4	29.9	26.7	19.9	16.2	14.7	14.4
80	9.88	9.90	9.30	8.88	8.25	8.18	8.08	8.59	9.09	10.2	10.9	11.8	12.2	11.9	11.2	10.2	9.34	8.45	8.05
85	3.95	3.86	2.98	2.35	1.69	1.59	1.52	1.94	2.32	3.38	4.33	5.57	6.09	5.74	4.90	3.61	2.64	1.79	1.44
90	0.23	0.24	0.22	0.20	0.15	0.13	0.12	0.12	0.15	0.18	0.25	0.41	0.55	0.43	0.33	0.18	0.11	0.09	0.07
95	0.47	0.42	0.38	0.32	0.29	0.26	0.25	0.23	0.26	0.26	0.29	0.31	0.29	0.29	0.25	0.23	0.21	0.20	0.18
100	0.67	0.64	0.58	0.51	0.49	0.47	0.47	0.44	0.46	0.47	0.52	0.57	0.50	0.47	0.41	0.39	0.35	0.35	0.33
105	0.88	0.85	0.82	0.75	0.73	0.72	0.73	0.71	0.73	0.74	0.81	0.81	0.70	0.67	0.61	0.57	0.54	0.58	0.57
110	1.09	1.06	1.04	0.99	0.99	0.97	1.01	0.98	1.00	1.00	1.03	1.02	0.90	0.88	0.85	0.80	0.78	0.82	0.83
115	1.33	1.30	1.27	1.22	1.22	1.23	1.24	1.23	1.25	1.24	1.26	1.23	1.12	1.11	1.09	1.03	1.02	1.08	1.10
120	1.55	1.53	1.50	1.45	1.45	1.46	1.47	1.46	1.48	1.46	1.48	1.47	1.34	1.34	1.31	1.28	1.28	1.32	1.34
125	1.78	1.75	1.72	1.68	1.68	1.68	1.68	1.68	1.70	1.66	1.70	1.68	1.57	1.55	1.54	1.49	1.53	1.56	1.58
130	1.99	1.95	1.93	1.89	1.89	1.89	1.89	1.89	1.89	1.86	1.90	1.89	1.79	1.76	1.74	1.71	1.74	1.77	1.79
135	2.16	2.12	2.10	2.01	2.08	2.08	2.10	2.08	2.08	1.91	2.06	2.07	1.98	1.93	1.87	1.84	1.91	1.97	2.00
140	2.32	2.27	2.21	2.20	2.19	2.25	2.25	2.23	2.17	2.11	2.19	2.23	2.12	2.10	2.05	2.01	2.09	2.14	2.17
145	2.46	2.40	2.37	2.37	2.40	2.35	2.31	2.28	2.37	2.27	2.28	2.29	2.27	2.20	2.20	2.18	2.23	2.27	2.33
150	2.57	2.56	2.54	2.52	2.50	2.48	2.50	2.46	2.44	2.45	2.48	2.48	2.42	2.38	2.36	2.38	2.35	2.35	2.43
155	2.73	2.70	2.69	2.65	2.67	2.65	2.65	2.65	2.63	2.62	2.65	2.63	2.59	2.54	2.53	2.56	2.53	2.56	2.59
160	2.86	2.88	2.86	2.84	2.81	2.84	2.89	2.82	2.78	2.83	2.81	2.81	2.73	2.75	2.71	2.72	2.71	2.74	2.82
165	2.97	2.99	2.97	2.94	2.94	3.00	2.97	2.94	2.94	2.93	2.98	2.93	2.88	2.90	2.86	2.87	2.86	2.93	2.93
170	3.08	3.06	3.05	3.06	3.08	3.07	3.06	3.03	3.03	3.03	3.04	3.04	2.99	3.01	3.00	2.98	2.98	2.99	3.00
175	3.15	3.15	3.15	3.16	3.15	3.14	3.13	3.13	3.13	3.14	3.15	3.13	3.10	3.12	3.12	3.12	3.11	3.10	3.10
180	3.19	3.19	3.18	3.21	3.19	3.18	3.19	3.19	3.19	3.22	3.21	3.20	3.19	3.19	3.18	3.20	3.20	3.19	3.18

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-03-07

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=1.0163]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.13V I:0.0939A P:9.3112W PF:0.8255 Freq:59.98Hz Lamp Flux:709.959x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

Table--2

UNIT: cd/klm

C(DEG) g (DEG)	285	300	315	330	345														
0	408	408	408	408	408														
5	406	406	406	406	405														
10	400	400	400	400	399														
15	390	392	390	392	389														
20	378	379	377	378	376														
25	360	362	360	362	360														
30	338	340	339	341	339														
35	313	315	314	317	316														
40	282	285	285	289	289														
45	247	251	252	257	257														
50	208	213	215	221	222														
55	164	169	175	182	185														
60	116	122	129	138	142														
65	67.5	72.8	80.7	91.4	96.6														
70	29.6	32.6	38.0	46.9	51.6														
75	14.0	14.2	15.0	17.6	19.0														
80	7.70	8.04	8.32	9.09	9.57														
85	1.20	1.49	1.92	2.77	3.52														
90	0.09	0.09	0.16	0.18	0.18														
95	0.19	0.22	0.27	0.28	0.32														
100	0.35	0.38	0.45	0.49	0.58														
105	0.58	0.64	0.71	0.77	0.81														
110	0.86	0.90	0.98	1.01	1.03														
115	1.13	1.17	1.23	1.25	1.26														
120	1.37	1.42	1.46	1.47	1.49														
125	1.62	1.65	1.68	1.69	1.70														
130	1.84	1.85	1.88	1.90	1.91														
135	2.02	2.04	1.97	2.02	2.08														
140	2.21	2.20	2.09	2.19	2.23														
145	2.35	2.37	2.25	2.26	2.29														
150	2.40	2.40	2.44	2.44	2.46														
155	2.60	2.60	2.61	2.61	2.63														
160	2.78	2.77	2.82	2.80	2.80														
165	2.95	2.95	2.94	2.97	2.93														
170	3.01	3.03	3.04	3.03	3.04														
175	3.12	3.13	3.16	3.16	3.14														
180	3.18	3.19	3.22	3.20	3.19														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-03-07

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=1.0163]  
 Remarks: