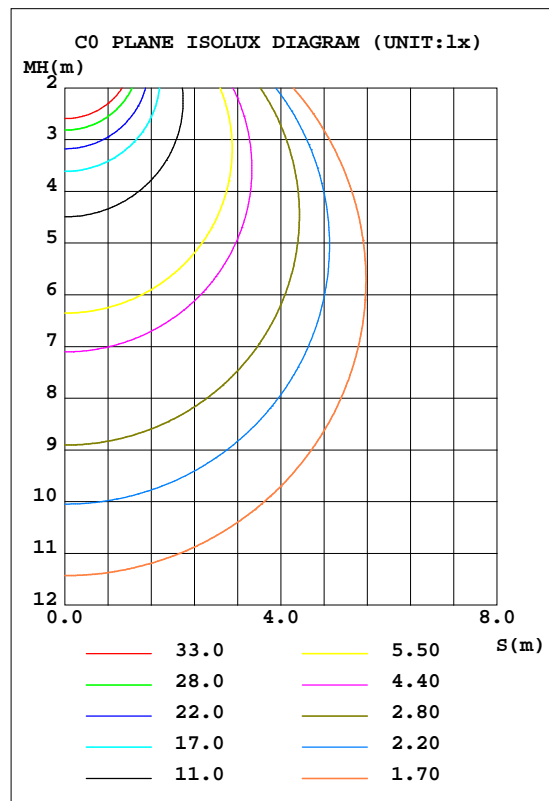
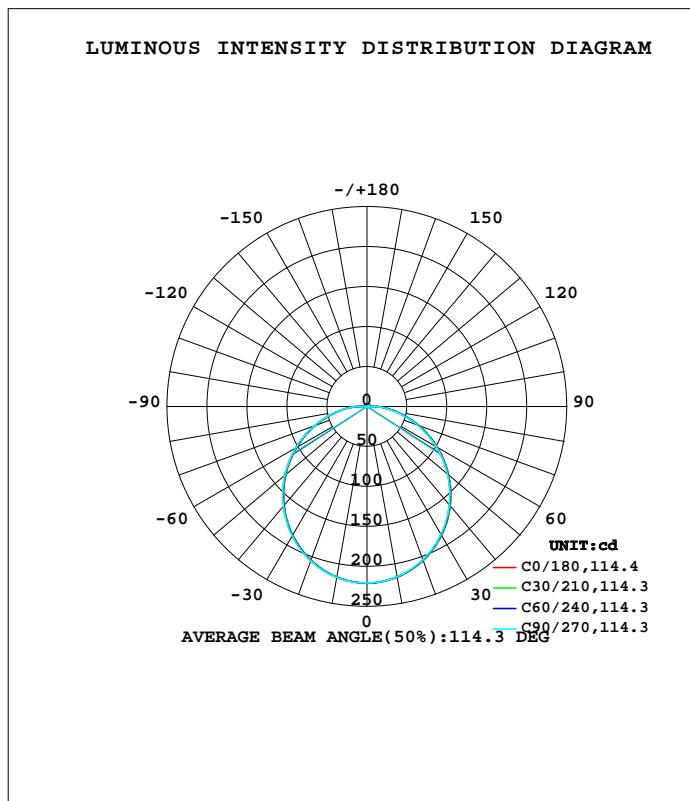


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.17V I:0.0807A P:9.8622W PF:0.9959 Freq:0Hz Lamp Flux:674.754x1 lm		
NAME: LED DOWN LIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 68.42 lm/W			
MODELASD-LDS-4D10AC(3000K)		I _{max} (cd)	220.8	S/MH(C0/180)	1.25
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	674.75	h UP, DN(C0-180)	0.8, 48.9
NOMINAL FLUX(lm)	674.754	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.8, 49.5
LAMPS INSIDE	1	h up(%)	1.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	h down(%)	98.4	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-05-27

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.700m [K=0.9310]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

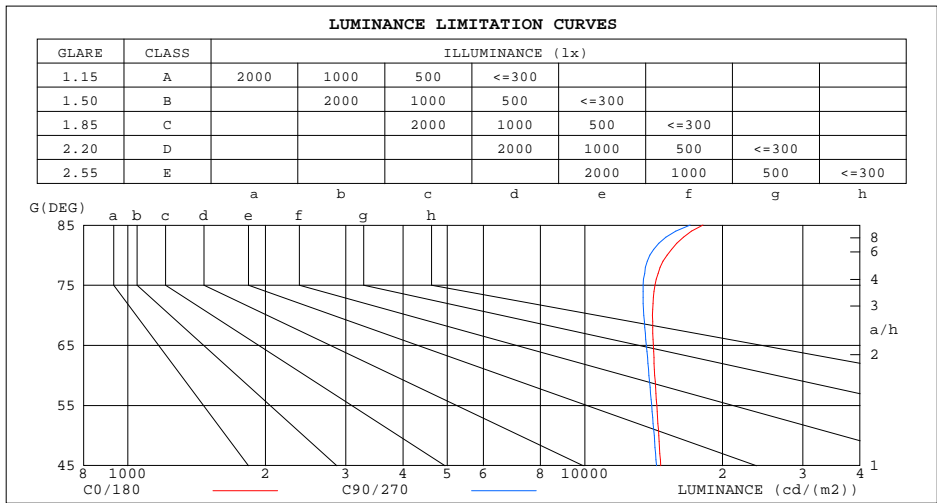
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	216.9	216.6	216.3	216.3	216.5	216.6	217.1	217.1	0- 10	20.88	20.88	3.09,3.09
20	205.2	204.6	204.0	204.0	204.6	204.8	205.6	205.7	10- 20	59.73	80.61	11.9,11.9
30	186.6	185.8	185.0	185.0	185.7	186.0	187.2	187.2	20- 30	90.44	171.0	25.3,25.3
40	162.3	161.4	160.3	160.5	161.2	161.6	163.0	163.0	30- 40	109.2	280.2	41.5,41.5
50	133.6	132.7	131.5	131.7	132.5	133.0	134.4	134.4	40- 50	114.0	394.2	58.4,58.4
60	101.9	101.0	99.61	99.93	100.8	101.3	102.7	102.8	50- 60	105.0	499.2	74,74
70	68.89	67.85	66.38	66.87	67.87	68.40	69.63	69.63	60- 70	83.91	583.1	86.4,86.4
80	37.64	36.35	34.76	35.62	36.78	37.13	37.70	37.90	70- 80	55.05	638.1	94.6,94.6
90	13.39	12.36	10.77	11.71	11.86	12.68	12.48	13.10	80- 90	25.57	663.7	98.4,98.4
100	0.4123	0.2446	0.2010	0.2592	0.4275	0.2212	0.2082	0.1930	90-100	3.761	667.5	98.9,98.9
110	1.394	0.6561	0.4667	0.6663	1.673	0.7003	0.4306	0.6006	100-110	0.5047	668.0	99,99
120	3.095	1.482	1.155	2.072	3.159	1.545	1.032	1.821	110-120	1.439	669.4	99.2,99.2
130	2.944	1.859	1.595	2.081	3.118	2.003	1.596	1.903	120-130	1.882	671.3	99.5,99.5
140	2.827	0.8250	1.951	0.7954	2.699	0.5999	2.089	1.064	130-140	1.670	673.0	99.7,99.7
150	0.6933	0.8220	0.9845	0.9486	0.6844	0.7842	1.057	0.6288	140-150	0.9004	673.9	99.9,99.9
160	0.9895	0.7998	1.397	1.736	0.8439	1.783	1.213	0.7223	150-160	0.4695	674.3	99.9,99.9
170	1.077	0.9174	0.7771	0.7631	0.7989	0.7891	0.8091	1.087	160-170	0.3576	674.7	100,100
180	0.8311	0.8491	0.8506	0.8093	0.8357	0.8445	0.8553	0.8000	170-180	0.0764	674.8	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:2022-05-27

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.700m [K=0.9310]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.17V I:0.0807A P:9.8622W PF:0.9959 Freq:0Hz Lamp Flux:674.754x1 lm		
NAME: LED DOWN LIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	18134	17010
80	15137	13884
75	14249	13420
70	14066	13462
65	14118	13634
60	14227	13818
55	14370	14003
50	14516	14186
45	14655	14353

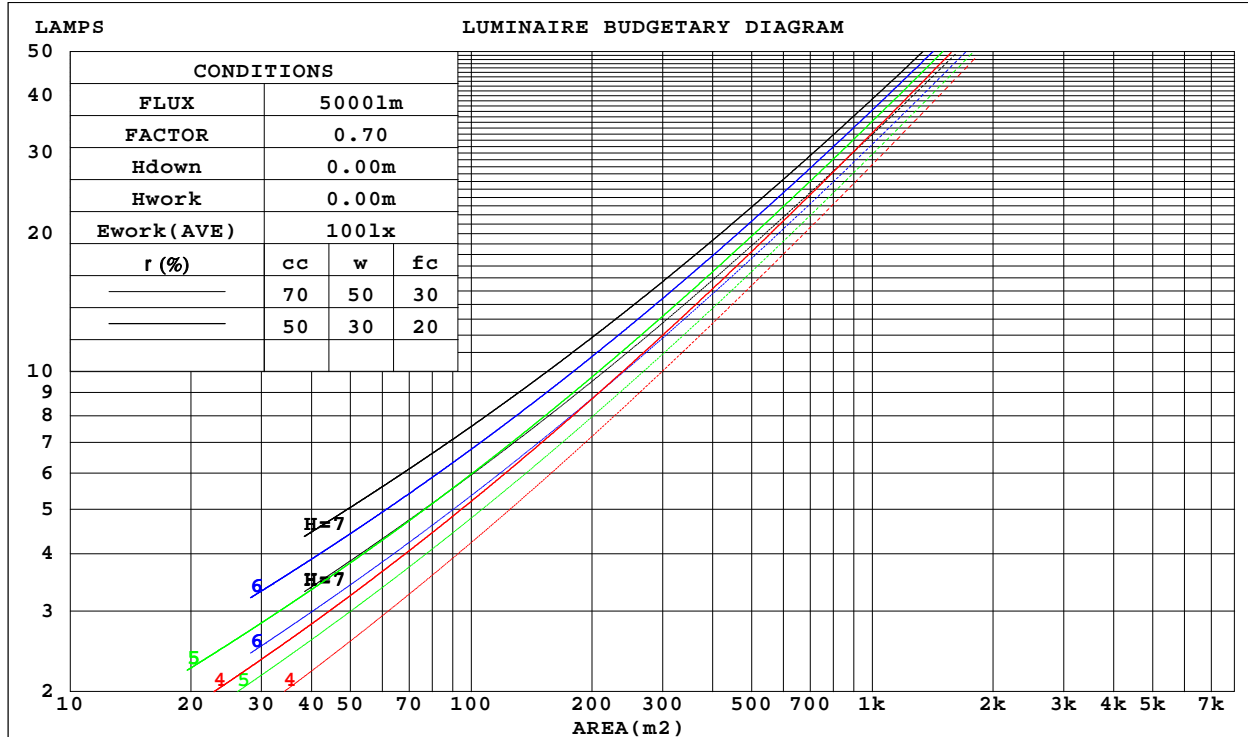
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-27

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.700m [K=0.9310]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.17V I:0.0807A P:9.8622W PF:0.9959 Freq:0Hz Lamp Flux:674.754x1 lm		
NAME: LED DOWN LIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	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	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.98
1.0	1.02	.97	.93	.90	.95	.92	.95	.92	.88	.91	.88	.85	.87	.85	.82	.80
2.0	.88	.81	.75	.86	.80	.74	.82	.77	.72	.79	.74	.70	.76	.72	.68	.66
3.0	.77	.69	.62	.76	.68	.61	.72	.66	.60	.69	.64	.59	.67	.62	.57	.55
4.0	.68	.59	.52	.67	.58	.52	.64	.57	.51	.62	.55	.50	.59	.54	.49	.47
5.0	.61	.52	.45	.60	.51	.45	.57	.50	.44	.55	.48	.43	.53	.47	.43	.40
6.0	.55	.46	.39	.54	.45	.39	.52	.44	.38	.50	.43	.38	.48	.42	.37	.35
7.0	.50	.41	.34	.49	.40	.34	.47	.39	.34	.45	.39	.33	.44	.38	.33	.31
8.0	.45	.37	.31	.44	.36	.30	.43	.36	.30	.42	.35	.30	.40	.34	.30	.28
9.0	.42	.33	.28	.41	.33	.27	.40	.32	.27	.38	.32	.27	.37	.31	.27	.25
10.0	.38	.30	.25	.38	.30	.25	.37	.30	.25	.36	.29	.24	.35	.29	.24	.22



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-27

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.700m [K=0.9310]
 Remarks:

WEC AND CCEC

Test:U:120.17V I:0.0807A P:9.8622W PF:0.9959 Freq:0Hz Lamp Flux:674.754x1 lm		
NAME: LED DOWN LIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.336	.191	.061	.329	.187	.060	.314	.180	.058	.301	.174	.056	.289	.168	.054	
2.0	.307	.168	.052	.301	.166	.051	.288	.160	.050	.276	.155	.048	.265	.150	.047	
3.0	.280	.149	.045	.274	.147	.044	.263	.143	.043	.253	.138	.042	.243	.135	.042	
4.0	.256	.133	.039	.251	.131	.039	.241	.128	.038	.232	.124	.038	.223	.121	.037	
5.0	.236	.120	.035	.231	.119	.035	.222	.116	.034	.214	.113	.034	.206	.110	.033	
6.0	.218	.109	.031	.213	.108	.031	.206	.105	.031	.198	.103	.030	.191	.101	.030	
7.0	.202	.100	.028	.198	.099	.028	.191	.097	.028	.184	.095	.028	.178	.093	.027	
8.0	.188	.092	.026	.185	.091	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025	
9.0	.176	.085	.024	.173	.084	.024	.167	.083	.023	.162	.081	.023	.157	.080	.023	
10.0	.165	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.022	.148	.074	.021	

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.203	.203	.203	.173	.173	.173	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.195	.168	.145	.167	.145	.125	.114	.099	.086	.066	.058	.050	.021	.019	.016	
2.0	.187	.145	.109	.160	.124	.094	.110	.086	.066	.063	.050	.038	.020	.016	.013	
3.0	.179	.127	.086	.154	.110	.074	.105	.076	.052	.061	.044	.031	.020	.014	.010	
4.0	.171	.114	.070	.147	.098	.061	.101	.069	.043	.059	.040	.025	.019	.013	.008	
5.0	.164	.104	.059	.141	.090	.052	.097	.063	.036	.056	.037	.022	.018	.012	.007	
6.0	.157	.095	.051	.135	.083	.045	.093	.058	.032	.054	.034	.019	.017	.011	.006	
7.0	.150	.088	.046	.129	.077	.040	.089	.054	.028	.052	.032	.017	.017	.010	.006	
8.0	.143	.083	.041	.123	.072	.036	.085	.050	.026	.050	.030	.015	.016	.010	.005	
9.0	.137	.078	.038	.118	.067	.033	.082	.047	.023	.048	.028	.014	.015	.009	.005	
10.0	.131	.073	.035	.113	.064	.031	.078	.045	.022	.046	.027	.013	.015	.009	.004	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-27

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.700m [K=0.9310]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.17V I:0.0807A P:9.8622W PF:0.9959 Freq:0Hz Lamp Flux:674.754x1 lm										
NAME: LED DOWN LIGHT					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: ASD LIGHTING CORP					SUR.: 0.12*0.12			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	21.2	22.9	21.6	23.2	23.6	21.1	22.7	21.5	23.1	23.4
3H	23.3	24.8	23.7	25.2	25.6	23.1	24.6	23.5	25.0	25.4
4H	24.2	25.6	24.6	26.0	26.4	23.9	25.3	24.4	25.7	26.1
6H	25.0	26.3	25.4	26.7	27.1	24.7	26.0	25.1	26.4	26.8
8H	25.3	26.6	25.7	27.0	27.4	25.0	26.2	25.4	26.6	27.1
12H	25.6	26.8	26.1	27.2	27.7	25.2	26.5	25.7	26.9	27.3
4H 2H	21.9	23.3	22.3	23.7	24.1	21.8	23.2	22.2	23.6	24.0
3H	24.2	25.4	24.6	25.8	26.3	24.0	25.2	24.5	25.6	26.1
4H	25.2	26.3	25.7	26.8	27.2	25.0	26.1	25.5	26.5	27.0
6H	26.2	27.1	26.7	27.6	28.1	25.9	26.8	26.4	27.3	27.8
8H	26.6	27.5	27.1	28.0	28.5	26.3	27.2	26.7	27.6	28.1
12H	27.0	27.8	27.5	28.3	28.8	26.6	27.5	27.1	28.0	28.5
8H 4H	25.6	26.5	26.1	27.0	27.5	25.4	26.3	25.9	26.8	27.3
6H	26.8	27.5	27.3	28.0	28.5	26.5	27.2	27.0	27.7	28.2
8H	27.3	28.0	27.8	28.5	29.0	27.0	27.6	27.5	28.2	28.7
12H	27.9	28.5	28.4	29.0	29.6	27.5	28.1	28.0	28.6	29.2
12H 4H	25.7	26.5	26.2	27.0	27.5	25.5	26.3	26.0	26.8	27.3
6H	26.9	27.6	27.4	28.0	28.6	26.6	27.3	27.1	27.8	28.3
8H	27.5	28.1	28.0	28.6	29.2	27.2	27.8	27.7	28.3	28.9
CIE190: 2010										

CIE190: 2010
Area: 0.0144 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-05-27

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.700m [K=0.9310]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.17V I:0.0807A P:9.8622W PF:0.9959 Freq:0Hz Lamp Flux:674.754x1 lm		
NAME: LED DOWN LIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:

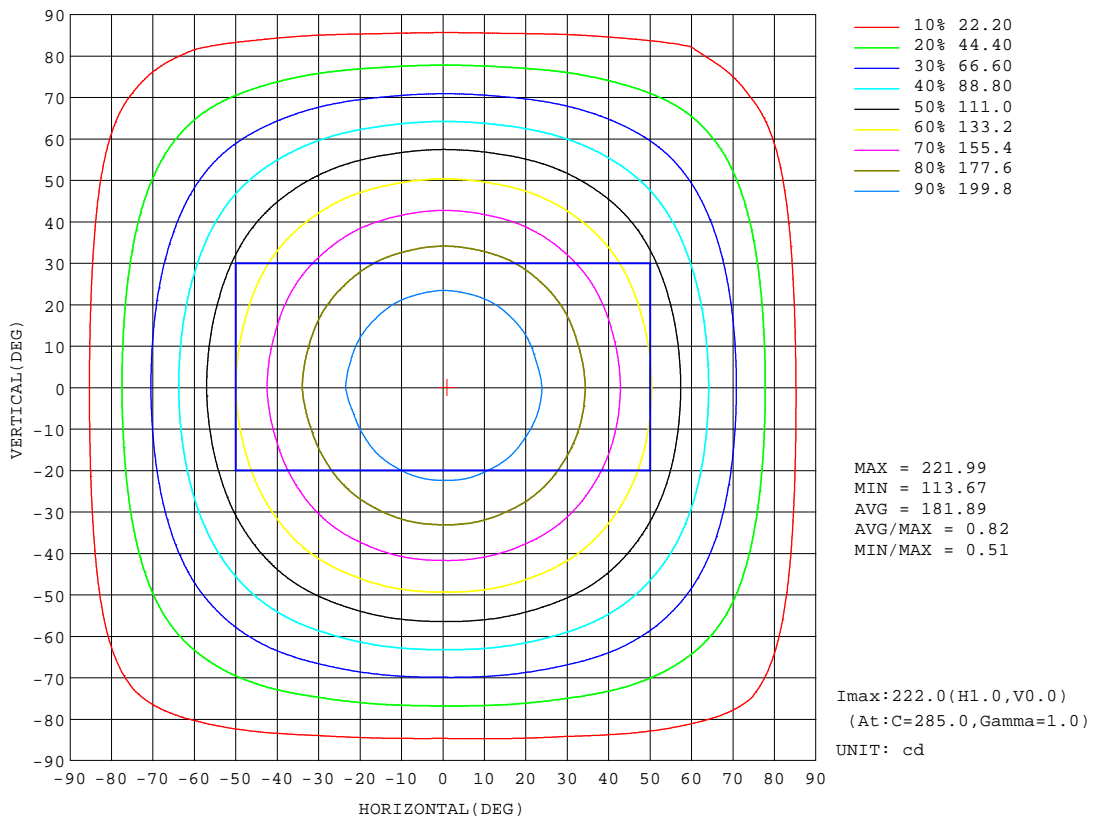
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	44	37	55	44	37	54	43	37	30
0.80	66	54	46	65	53	46	63	52	45	38
1.00	74	62	55	73	62	54	70	63	54	46
1.25	81	70	62	79	69	62	76	68	61	53
1.50	86	75	68	84	75	68	81	73	66	58
2.00	93	84	77	91	82	76	87	80	74	66
2.50	97	89	82	95	87	81	91	84	79	70
3.00	100	93	87	98	91	86	94	88	83	74
4.00	105	98	93	102	96	92	97	93	89	79
5.00	107	102	97	104	100	96	100	96	92	82
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: 2022-05-27

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.700m [K=0.9310]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.17V I:0.0807A P:9.8622W PF:0.9959 Freq:0Hz Lamp Flux:674.754x1 lm		
NAME: LED DOWN LIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:



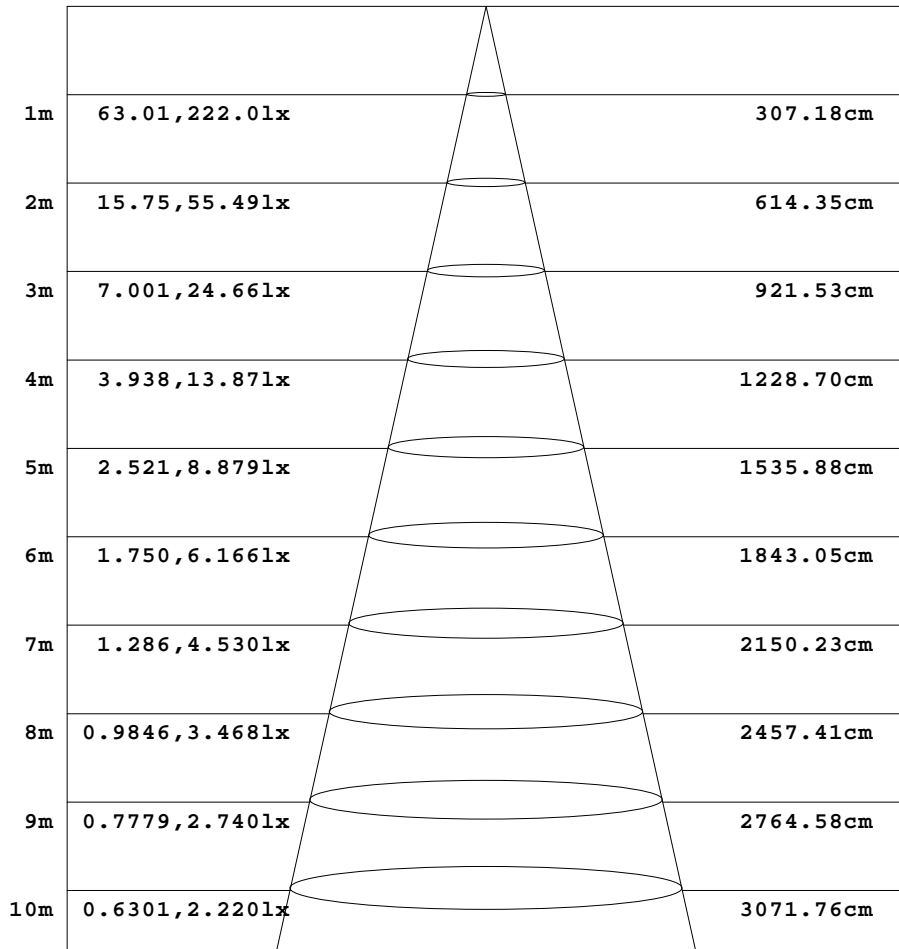
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-27

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.700m [K=0.9310]
 Remarks:

AAI Figure

Test:U:120.17V I:0.0807A P:9.8622W PF:0.9959 Freq:0Hz Lamp Flux:674.754x1 lm		
NAME: LED DOWN LIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:

Flux out:469.4 lm



Height Eavg, Emax Angle:113.86deg Diameter

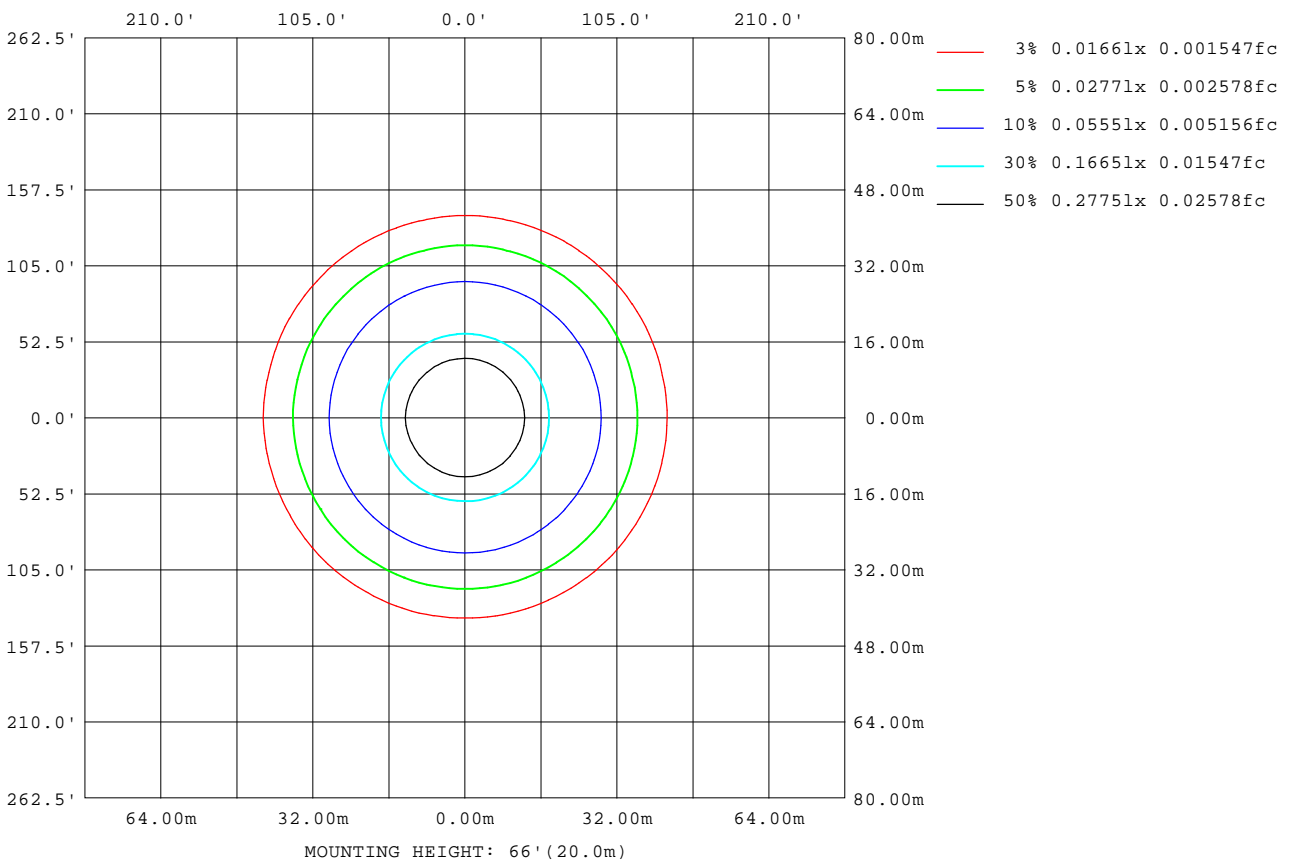
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-27

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.700m [K=0.9310]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.17V I:0.0807A P:9.8622W PF:0.9959 Freq:0Hz Lamp Flux:674.754x1 lm		
NAME: LED DOWN LIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-05-27

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.700m [K=0.9310]
 Remarks:

LED Avg.L Report

Test:U:120.17V I:0.0807A P:9.8622W PF:0.9959 Freq:0Hz Lamp Flux:674.754x1 lm		
NAME: LED DOWN LIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:

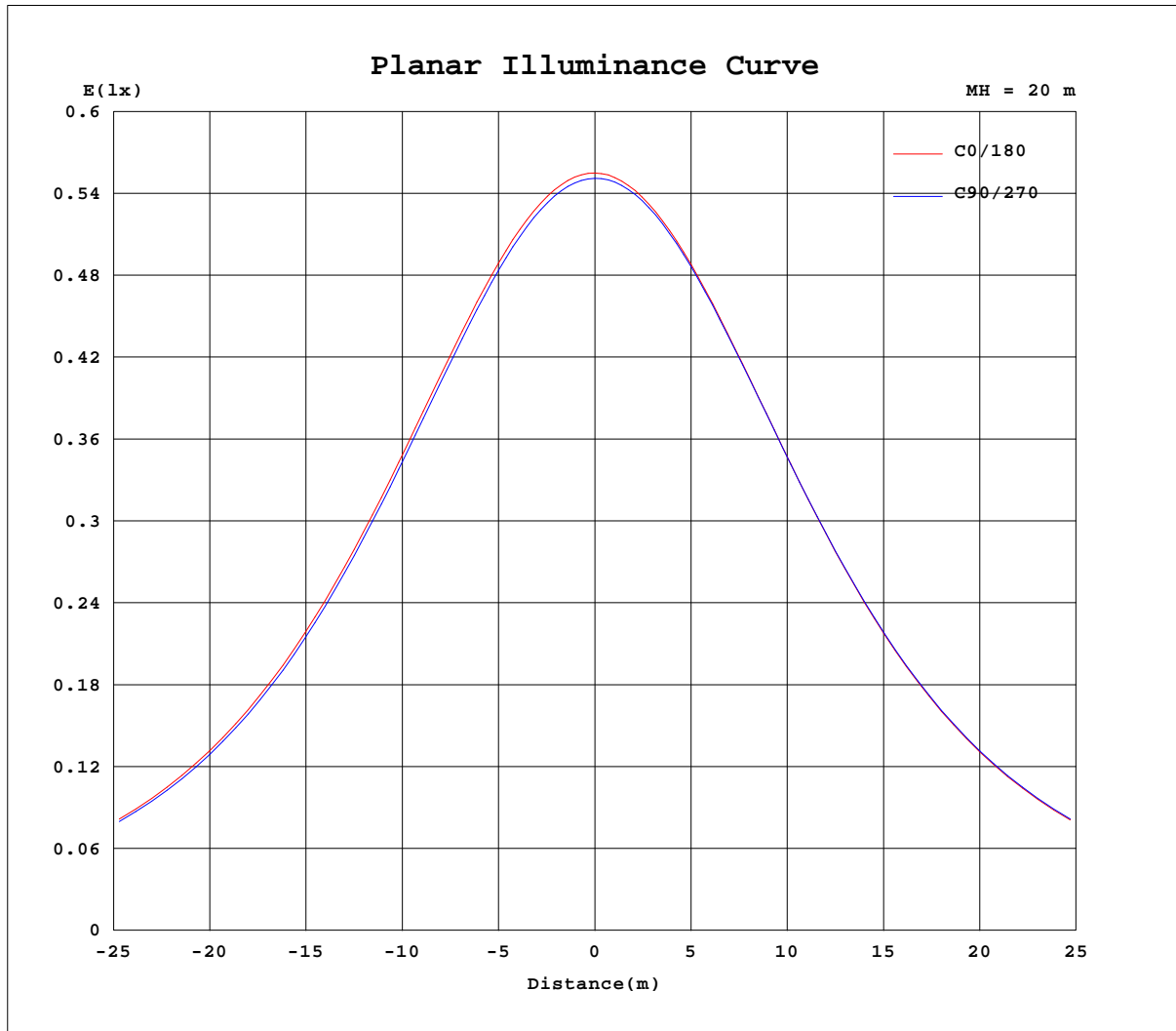
AvgL	cd/m2
L_0~180(65)av	13951
L_0~180(75)av	14033
L_0~180(85)av	18194
L_90~270(65)av	13912
L_90~270(75)av	13864
L_90~270(85)av	17986
L_45(65)av	13926
L_45(75)av	13950
L_45(85)av	18598

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-05-27

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.700m [K=0.9310]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-05-27

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.700m [K=0.9310]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.17V I:0.0807A P:9.8622W PF:0.9959 Freq:0Hz Lamp Flux:674.754x1 lm		
NAME: LED DOWN LIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	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	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221
5	220	220	220	220	220	220	220	220	219	220	219	220	220	220	220	220	220	220	220
10	217	217	217	217	216	216	216	216	216	216	216	216	217	217	217	217	217	217	217
15	212	212	212	212	211	211	211	211	211	211	211	211	211	212	212	212	212	212	212
20	205	205	205	205	204	204	204	204	204	204	204	204	205	204	205	205	205	205	206
25	197	197	196	196	196	196	195	195	195	195	195	195	196	196	196	196	197	197	197
30	187	187	186	186	185	185	185	185	185	185	185	185	186	186	186	186	187	187	187
35	175	175	174	174	174	174	173	173	173	173	173	174	174	174	175	174	175	175	176
40	162	162	161	161	161	161	160	160	160	160	160	161	161	161	162	162	162	162	163
45	148	148	148	148	147	147	146	147	146	147	146	147	147	147	148	148	149	148	149
50	134	134	133	133	132	132	131	132	131	132	131	132	132	132	133	133	134	134	134
55	118	118	117	117	116	116	116	116	116	116	116	116	117	117	118	117	118	118	119
60	102	102	101	101	100	100	99.6	99.9	99.5	99.9	99.7	100	101	101	101	101	102	102	103
65	85.4	85.5	84.6	84.4	83.6	83.7	83.1	83.3	82.9	83.4	83.2	83.8	84.4	84.2	85.0	84.9	85.7	85.6	86.3
70	68.9	69.0	68.1	67.9	66.9	67.0	66.4	66.7	66.4	66.9	66.7	67.3	67.9	67.8	68.5	68.4	69.2	69.0	69.6
75	52.8	52.9	51.9	51.6	50.7	50.7	50.1	50.4	50.2	50.8	50.7	51.3	51.8	51.7	52.4	52.3	53.0	52.7	53.3
80	37.6	37.7	36.7	36.3	35.4	35.3	34.8	35.1	35.0	35.6	35.7	36.4	36.8	36.8	37.4	37.1	37.5	37.2	37.7
85	22.6	24.4	23.5	23.0	22.1	21.9	21.4	21.7	21.7	22.4	22.6	23.4	23.0	22.7	24.0	23.6	23.8	23.5	23.8
90	13.4	13.9	12.9	12.4	11.4	11.2	10.8	11.0	11.0	11.7	12.2	13.1	11.9	9.38	13.3	12.7	12.6	12.3	12.5
95	4.83	0.20	0.66	0.19	0.30	3.25	0.18	0.23	0.25	0.26	1.95	0.31	5.77	0.30	2.95	0.22	0.15	0.15	0.14
100	0.41	0.31	0.17	0.24	0.20	0.23	0.20	0.19	0.22	0.26	0.25	0.28	0.43	0.29	0.32	0.22	0.21	0.25	0.21
105	0.66	0.63	0.41	0.33	0.24	0.30	0.24	0.30	0.36	0.32	0.58	0.48	0.74	0.76	0.44	0.31	0.36	0.33	0.32
110	1.39	1.08	0.93	0.66	0.51	0.52	0.47	0.49	0.72	0.67	1.56	1.40	1.67	2.32	1.17	0.70	0.48	0.42	0.43
115	3.08	1.91	1.35	1.09	0.97	0.83	0.80	0.83	0.93	1.15	2.32	2.36	3.16	2.36	1.64	1.19	0.92	0.74	0.72
120	3.10	2.49	1.77	1.48	1.25	1.22	1.16	1.21	1.50	2.07	2.93	3.26	3.16	2.79	2.20	1.55	1.27	1.11	1.03
125	3.00	2.62	1.97	1.73	1.46	1.41	1.42	1.54	1.83	2.27	2.90	3.02	3.13	2.91	2.48	1.86	1.55	1.38	1.39
130	2.94	2.85	2.24	1.86	1.65	1.59	1.59	1.72	2.04	2.08	2.89	3.00	3.12	2.95	2.57	2.00	1.78	1.60	1.60
135	3.02	3.08	2.30	1.02	1.72	1.77	1.78	1.92	2.15	1.99	2.34	2.93	3.07	3.03	2.32	1.31	1.96	1.82	1.81
140	2.83	2.76	2.28	0.83	1.82	1.94	1.95	2.14	2.36	0.80	2.39	2.53	2.70	2.59	2.25	0.60	1.18	2.01	2.09
145	2.84	2.74	1.42	0.74	0.76	1.54	1.90	1.83	0.87	0.64	0.61	2.47	2.59	2.53	0.66	0.63	0.78	1.67	1.64
150	0.69	0.71	0.66	0.82	0.65	1.03	0.98	1.12	0.65	0.95	0.62	0.62	0.68	0.68	0.72	0.78	0.70	0.91	1.06
155	1.18	0.81	1.15	1.36	0.90	1.44	0.74	1.36	0.76	1.14	0.97	0.88	0.97	1.16	1.27	0.89	0.83	1.24	1.12
160	0.99	0.82	0.93	0.80	1.74	2.30	1.40	1.45	2.02	1.74	0.90	0.93	0.84	0.93	1.00	1.78	2.59	1.67	1.21
165	1.75	1.91	1.16	1.06	1.49	1.04	1.03	1.07	2.05	1.72	0.75	1.27	2.23	1.78	0.85	1.16	1.62	1.04	0.82
170	1.08	0.79	0.86	0.92	0.77	0.78	0.78	0.78	0.74	0.76	0.76	0.75	0.80	0.82	0.81	0.79	0.81	0.79	0.81
175	0.82	0.82	0.82	0.83	0.82	0.79	0.81	0.81	0.79	0.79	0.79	0.78	0.82	0.84	0.83	0.83	0.84	0.83	0.84
180	0.83	0.86	0.83	0.85	0.82	0.83	0.85	0.83	0.80	0.81	0.78	0.78	0.84	0.88	0.84	0.84	0.87	0.85	0.86

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-27

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.700m [K=0.9310]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.17V I:0.0807A P:9.8622W PF:0.9959 Freq:0Hz Lamp Flux:674.754x1 lm		
NAME: LED DOWN LIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:

Table--2

UNIT: cd

C(DEG) g (DEG)	285	300	315	330	345														
0	221	221	221	221	221														
5	220	220	220	220	220														
10	217	217	217	217	217														
15	212	212	212	212	212														
20	206	206	206	206	206														
25	197	198	197	197	197														
30	187	187	187	188	187														
35	176	176	176	176	176														
40	163	163	163	163	163														
45	149	150	149	150	149														
50	134	135	134	135	134														
55	119	119	119	119	119														
60	103	103	103	103	103														
65	86.1	86.6	86.2	86.6	86.0														
70	69.4	69.9	69.6	70.0	69.5														
75	53.0	53.5	53.3	53.8	53.4														
80	37.5	38.0	37.9	38.5	38.1														
85	23.6	24.2	24.3	24.9	20.7														
90	12.3	12.8	13.1	13.9	9.38														
95	0.13	0.13	0.13	1.75	0.28														
100	0.21	0.18	0.19	0.21	0.26														
105	0.25	0.29	0.26	0.45	0.56														
110	0.49	0.62	0.60	1.29	1.14														
115	0.74	0.79	1.22	2.06	2.45														
120	0.98	1.13	1.82	2.83	2.98														
125	1.41	1.61	2.05	2.76	2.99														
130	1.67	1.83	1.90	2.73	3.01														
135	1.91	1.79	2.02	2.94	3.01														
140	1.88	0.93	1.06	2.72	2.70														
145	1.08	0.65	0.59	2.26	2.75														
150	0.75	0.60	0.63	0.64	0.69														
155	1.33	0.82	1.22	1.14	0.80														
160	1.53	1.79	0.72	0.95	0.77														
165	1.66	2.02	1.92	1.05	1.13														
170	0.75	0.97	1.09	0.87	0.76														
175	0.78	0.75	0.78	0.78	0.76														
180	0.78	0.78	0.80	0.81	0.78														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-27

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.700m [K=0.9310]
 Remarks: