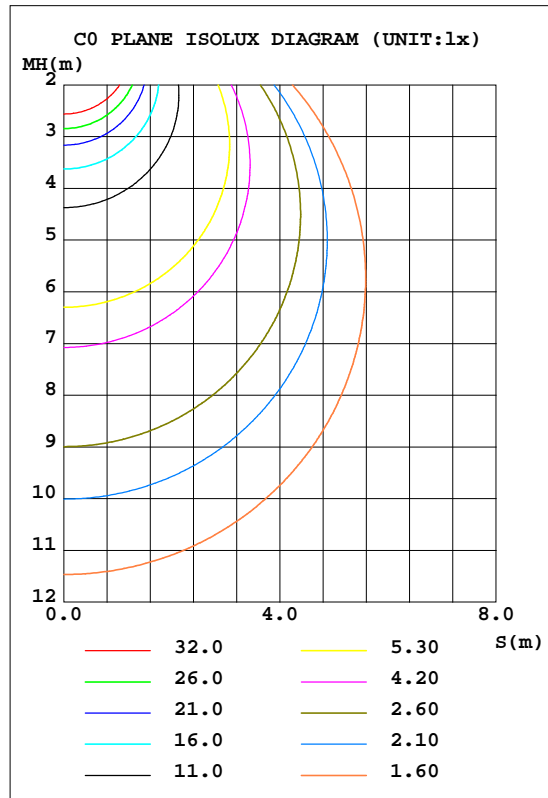
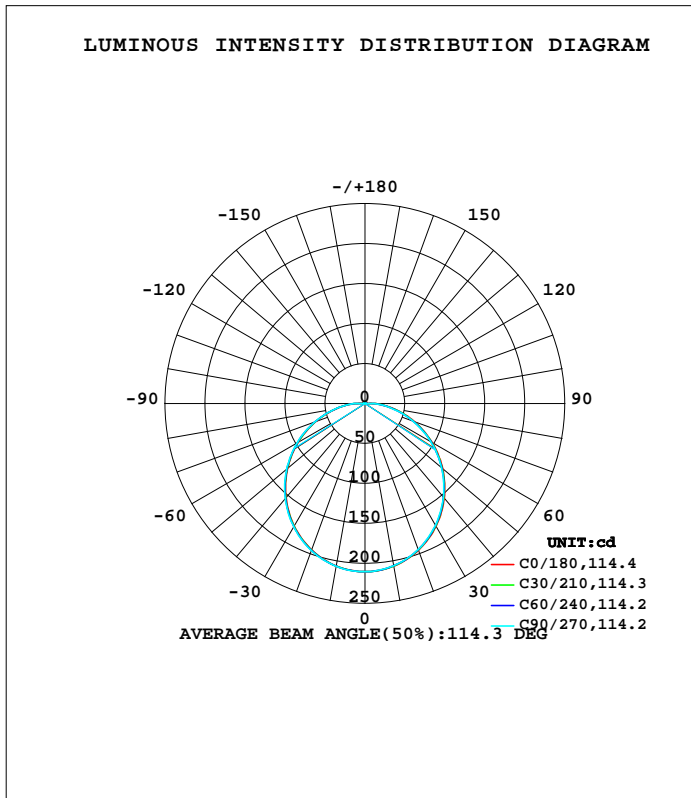


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.17V I:0.0798A P:9.8653W PF:0.9958 Freq:59.98Hz Lamp Flux:650x1 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: 65.89 lm/W			
MODELASD-LDS-4D10AC(2700K)		I <sub>max</sub> (cd)	210.4	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)	650	h UP, DN(C0-180)	0.8,48.8
NOMINAL FLUX(lm)	650	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:

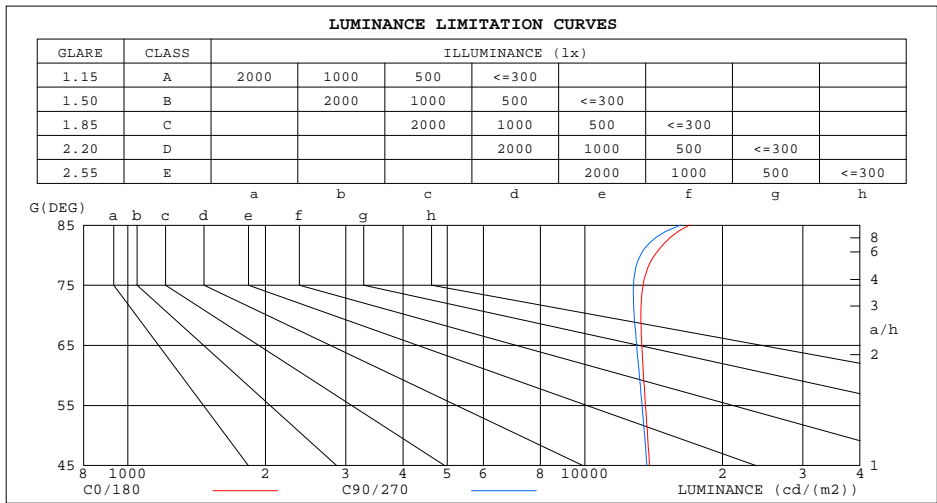
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	206.6	206.4	206.1	206.1	206.4	206.5	206.9	206.9	0- 10	19.90	19.90	3.1,3.1
20	195.4	194.9	194.3	194.4	195.0	195.3	195.9	196.0	10- 20	56.92	76.82	12,12
30	177.6	176.9	176.2	176.3	177.0	177.4	178.4	178.3	20- 30	86.16	163.0	25.4,25.4
40	154.4	153.6	152.6	152.9	153.7	154.1	155.2	155.2	30- 40	104.0	267.0	41.5,41.5
50	127.1	126.1	125.1	125.5	126.4	126.8	128.0	127.9	40- 50	108.6	375.5	58.4,58.4
60	96.77	95.89	94.77	95.29	96.20	96.70	97.83	97.70	50- 60	99.92	475.5	74,74
70	65.32	64.35	63.13	63.84	64.85	65.33	66.32	66.16	60- 70	79.88	555.3	86.4,86.4
80	35.59	34.35	33.09	34.15	35.27	35.51	35.90	35.99	70- 80	52.41	607.8	94.6,94.6
90	12.59	11.57	10.27	11.32	11.43	12.17	11.92	12.47	80- 90	24.35	632.1	98.4,98.4
100	0.3783	0.2060	0.2397	0.2493	0.4022	0.2076	0.1848	0.1661	90-100	3.547	635.7	98.9,98.9
110	1.356	0.5918	0.4428	0.6281	1.465	0.6638	0.3976	0.5764	100-110	0.4734	636.1	99,99
120	3.067	1.335	1.080	1.934	3.117	1.486	0.9473	1.749	110-120	1.365	637.5	99.2,99.2
130	2.813	1.662	1.523	1.961	2.933	1.921	1.501	1.825	120-130	1.785	639.3	99.5,99.5
140	2.696	0.6639	1.828	0.7293	2.526	0.6979	1.953	1.034	130-140	1.577	640.9	99.7,99.7
150	1.451	0.6656	0.9095	0.8960	0.6422	0.7478	0.9823	0.6276	140-150	0.8506	641.7	99.9,99.9
160	0.9263	0.6755	1.307	1.640	0.7935	1.720	1.124	0.7208	150-160	0.4472	642.2	99.9,99.9
170	0.9231	0.8072	0.7023	0.7338	0.7298	0.7678	0.7295	1.043	160-170	0.3372	642.5	100,100
180	0.7852	0.7665	0.7619	0.7799	0.7344	0.7619	0.7850	0.7984	170-180	0.0715	642.6	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:0.0798A P:9.8653W PF:0.9958 Freq:59.98Hz Lamp Flux:650x1 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	16959	16211
80	14228	13233
75	13413	12785
70	13259	12818
65	13320	12981
60	13436	13162
55	13576	13343
50	13724	13519
45	13860	13680

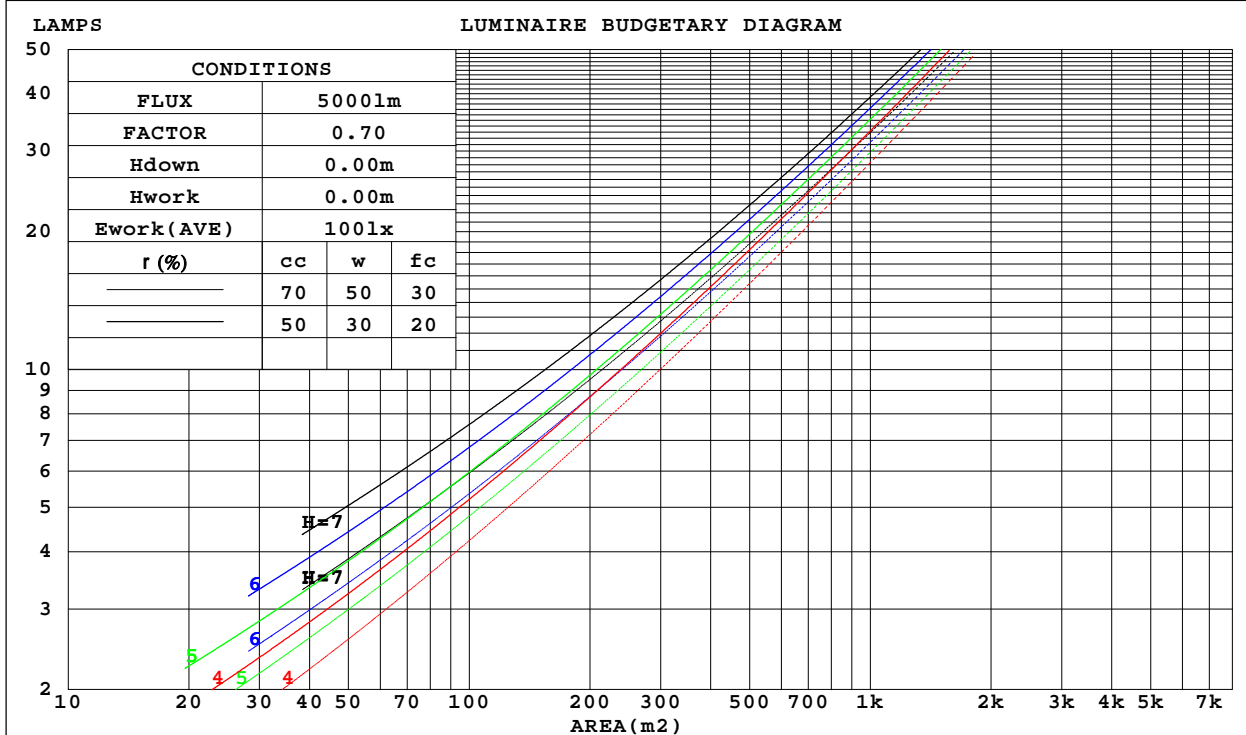
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-05-27

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:0.0798A P:9.8653W PF:0.9958 Freq:59.98Hz Lamp Flux:650x1 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	.83	.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	.58	.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:0.0798A P:9.8653W PF:0.9958 Freq:59.98Hz Lamp Flux:650x1 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						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	.300	.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	.205	.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	

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	.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	.144	.109	.160	.124	.094	.110	.086	.066	.063	.050	.038	.020	.016	.013	
3.0	.179	.127	.085	.154	.110	.074	.105	.076	.052	.061	.044	.031	.020	.014	.010	
4.0	.171	.114	.070	.147	.098	.061	.101	.069	.043	.058	.040	.025	.019	.013	.008	
5.0	.164	.104	.059	.141	.090	.051	.097	.063	.036	.056	.037	.022	.018	.012	.007	
6.0	.156	.095	.051	.134	.082	.045	.093	.058	.032	.054	.034	.019	.017	.011	.006	
7.0	.149	.088	.046	.129	.077	.040	.089	.054	.028	.052	.032	.017	.017	.010	.006	
8.0	.143	.083	.041	.123	.072	.036	.085	.050	.025	.049	.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:0.0798A P:9.8653W PF:0.9958 Freq:59.98Hz Lamp Flux:650x1 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	21.0	22.7	21.4	23.0	23.4	20.9	22.6	21.3	22.9	23.3
3H	23.1	24.6	23.5	24.9	25.3	22.9	24.4	23.3	24.8	25.2
4H	24.0	25.4	24.4	25.7	26.2	23.8	25.2	24.2	25.6	26.0
6H	24.7	26.0	25.2	26.4	26.9	24.5	25.8	24.9	26.2	26.6
8H	25.1	26.3	25.5	26.7	27.2	24.8	26.1	25.2	26.5	26.9
12H	25.4	26.6	25.8	27.0	27.5	25.1	26.3	25.5	26.7	27.2
4H 2H	21.7	23.1	22.1	23.5	23.9	21.6	23.0	22.1	23.4	23.8
3H	24.0	25.2	24.4	25.6	26.1	23.9	25.1	24.3	25.5	25.9
4H	25.0	26.1	25.5	26.5	27.0	24.8	25.9	25.3	26.4	26.8
6H	26.0	26.9	26.4	27.4	27.9	25.7	26.7	26.2	27.2	27.6
8H	26.4	27.3	26.9	27.7	28.2	26.1	27.0	26.6	27.5	28.0
12H	26.8	27.6	27.3	28.1	28.6	26.5	27.3	27.0	27.8	28.3
8H 4H	25.4	26.3	25.9	26.8	27.3	25.3	26.2	25.7	26.6	27.1
6H	26.5	27.3	27.0	27.8	28.3	26.3	27.1	26.8	27.6	28.1
8H	27.1	27.8	27.6	28.3	28.8	26.8	27.5	27.3	28.0	28.6
12H	27.6	28.3	28.2	28.8	29.4	27.3	27.9	27.9	28.5	29.1
12H 4H	25.5	26.3	26.0	26.8	27.3	25.3	26.1	25.8	26.6	27.1
6H	26.7	27.3	27.2	27.8	28.4	26.4	27.1	27.0	27.6	28.2
8H	27.3	27.9	27.8	28.4	29.0	27.0	27.6	27.6	28.1	28.7
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:0.0798A P:9.8653W PF:0.9958 Freq:59.98Hz Lamp Flux:650x1 lm		
NAME: LED DOWN LIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:

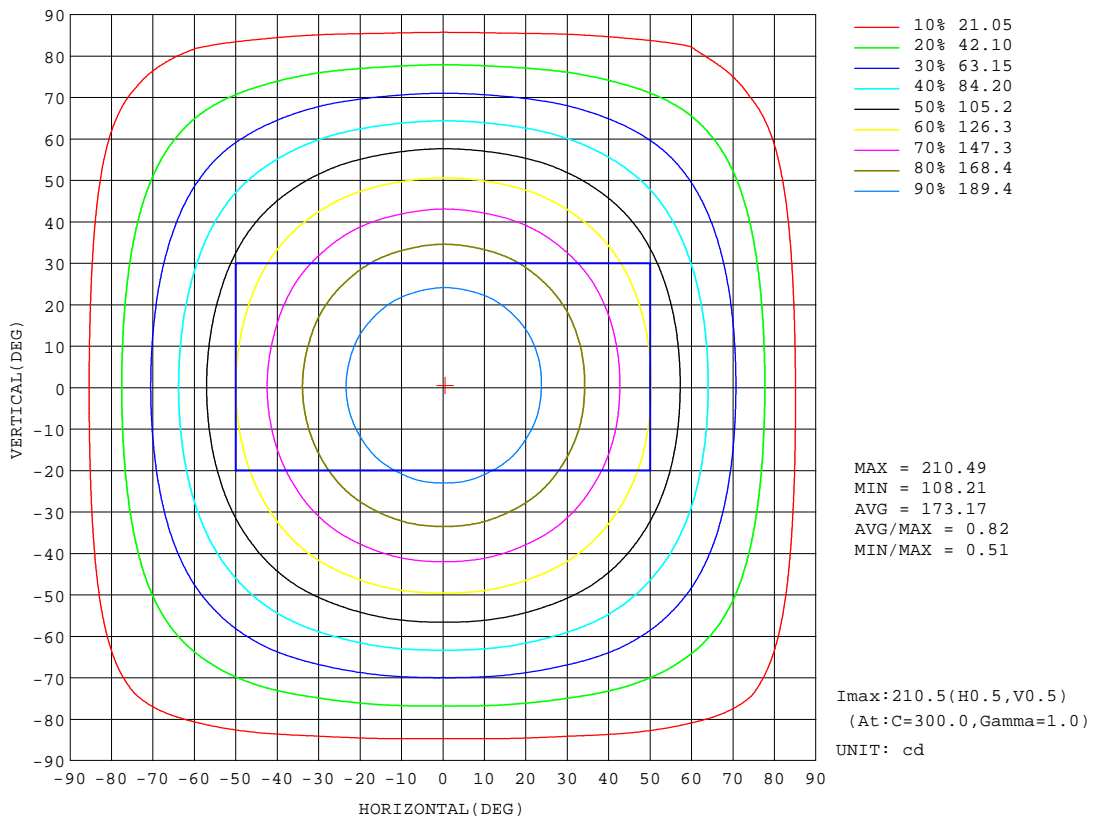
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	44	37	55	44	37	54	43	37	30
0.80	66	54	46	65	53	46	63	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:0.0798A P:9.8653W PF:0.9958 Freq:59.98Hz Lamp Flux:650x1 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

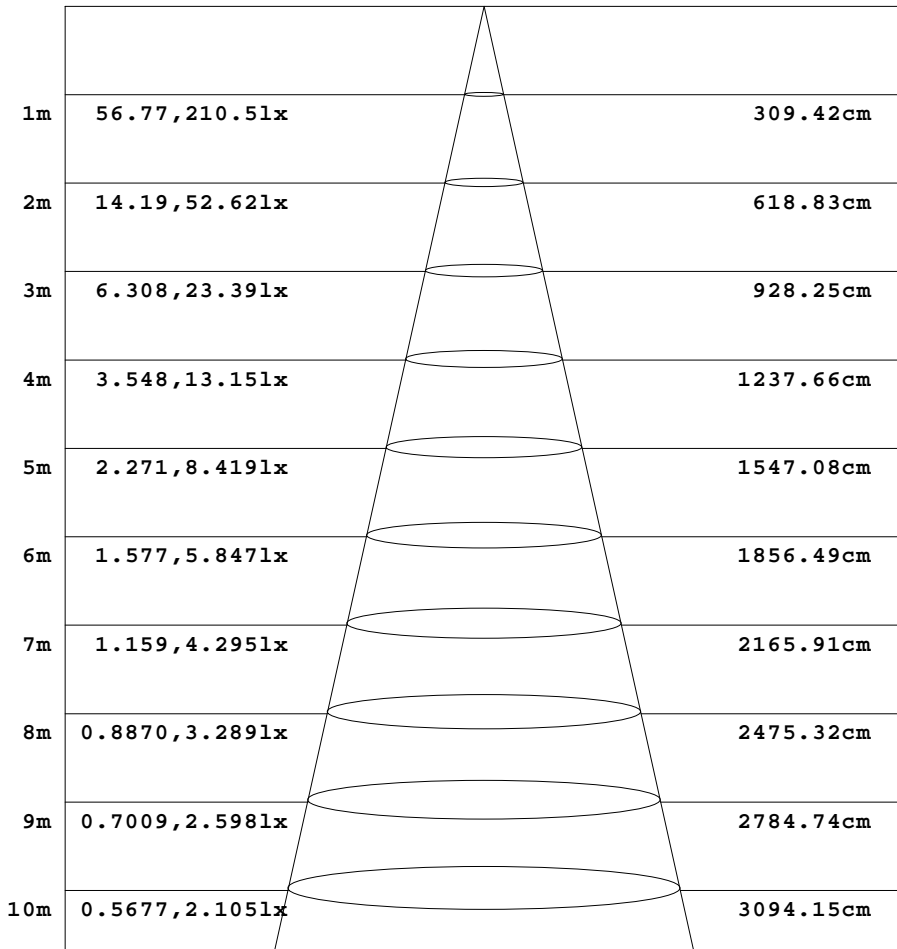
g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.426  
 Humidity:65.0%  
 Test Distance:8.700m [K=0.9310]  
 Remarks:



AAI Figure

Test:U:120.17V I:0.0798A P:9.8653W PF:0.9958 Freq:59.98Hz Lamp Flux:650x1 lm		
NAME: LED DOWN LIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:

Flux out:456.8 lm



Height                      Eavg, Emax                      Angle:114.24deg                      Diameter

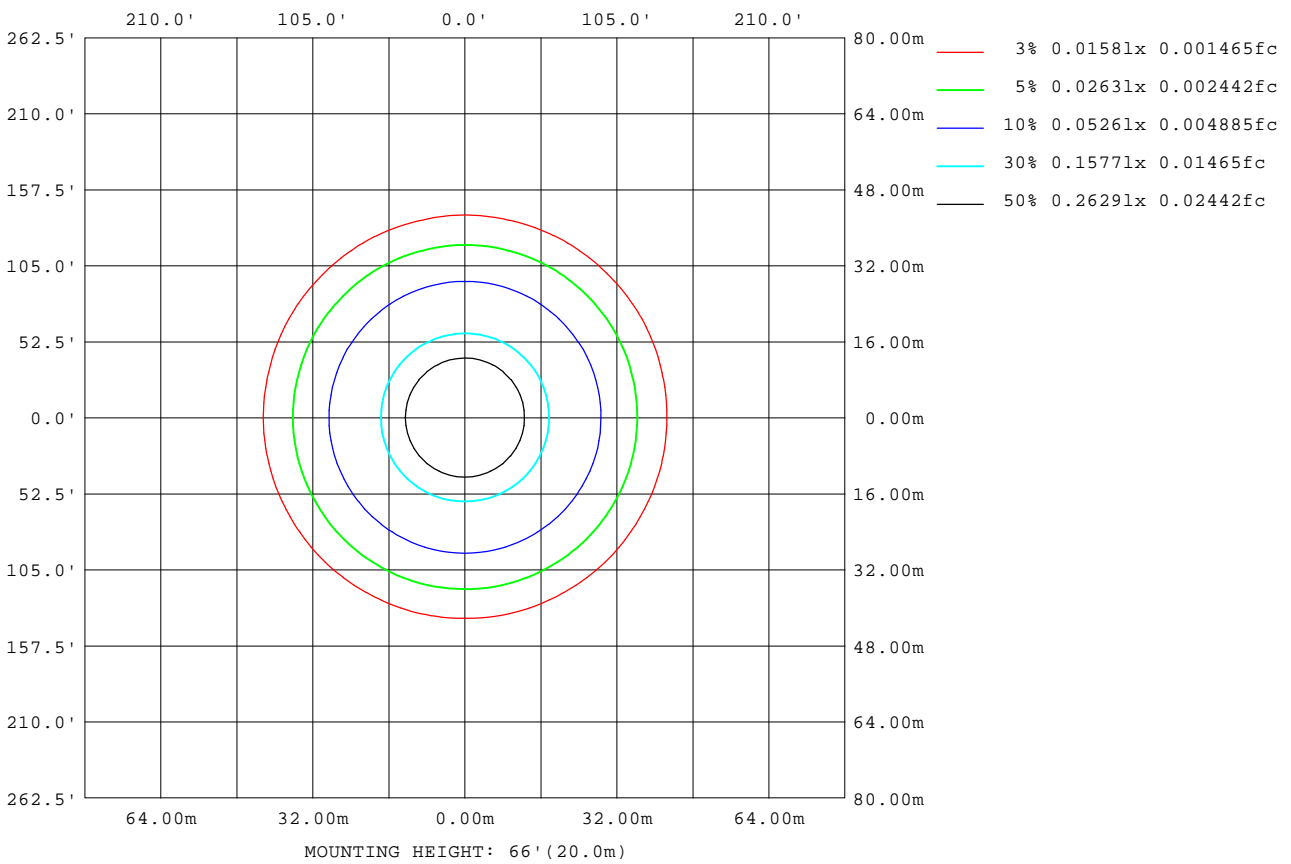
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.0798A P:9.8653W PF:0.9958 Freq:59.98Hz Lamp Flux:650x1 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:0.0798A P:9.8653W PF:0.9958 Freq:59.98Hz Lamp Flux:650x1 lm		
NAME: LED DOWN LIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:

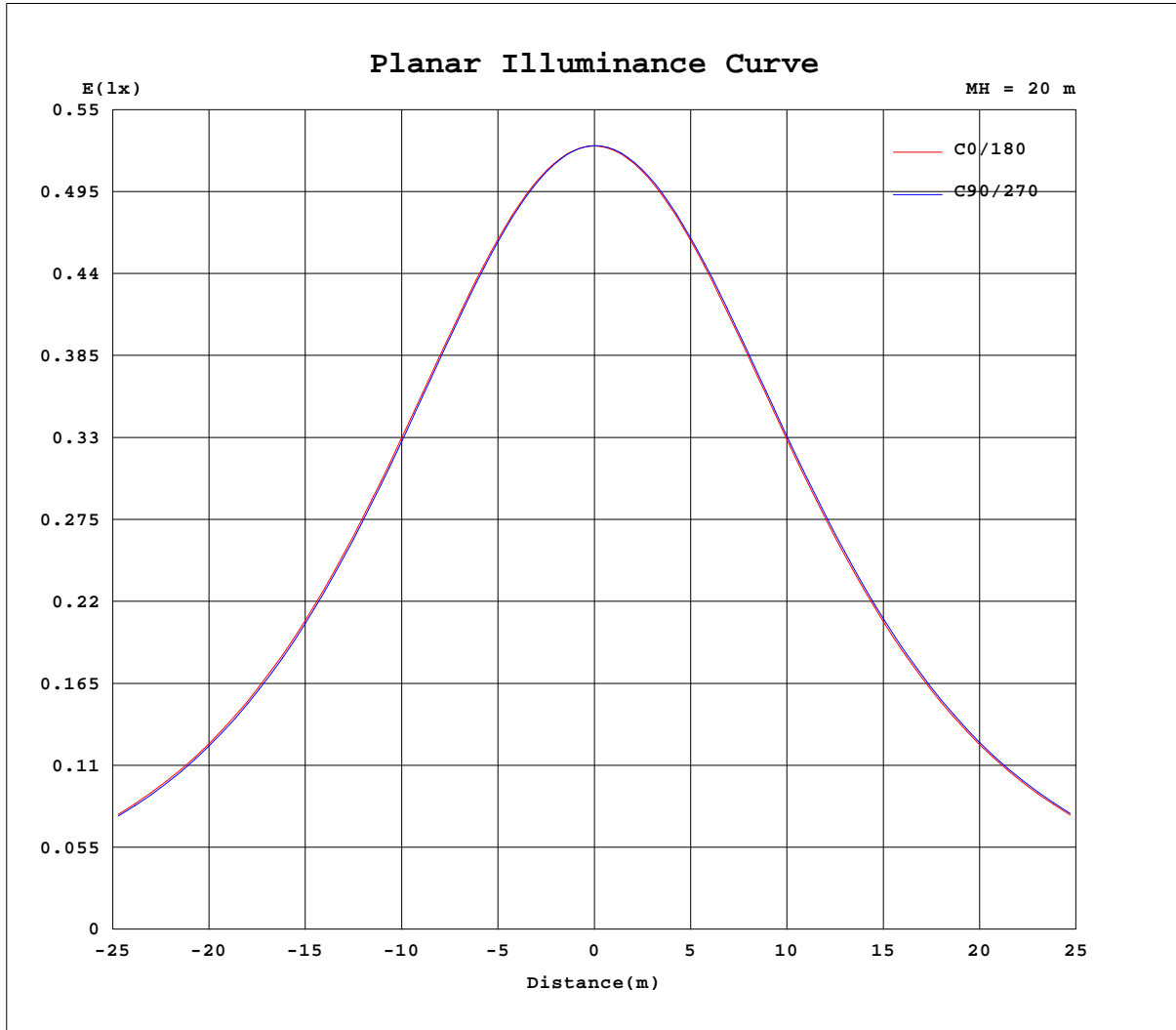
AvgL	cd/m2
L_0~180(65)av	13280
L_0~180(75)av	13359
L_0~180(85)av	17317
L_90~270(65)av	13239
L_90~270(75)av	13196
L_90~270(85)av	17130
L_45(65)av	13258
L_45(75)av	13285
L_45(85)av	17722

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:0.0798A P:9.8653W PF:0.9958 Freq:59.98Hz Lamp Flux:650x1 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	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210
5	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	210	210	210
10	207	207	206	206	206	206	206	206	206	206	206	206	206	206	207	206	207	207	207
15	202	202	202	202	201	201	201	201	201	201	201	201	202	202	202	202	202	202	202
20	195	195	195	195	195	195	194	194	194	194	194	195	195	195	195	195	196	196	196
25	187	187	187	187	186	186	186	186	186	186	186	186	187	187	187	187	188	188	188
30	178	178	177	177	176	176	176	176	176	176	176	176	177	177	177	177	178	178	178
35	167	167	166	166	165	165	165	165	165	165	165	165	166	166	166	166	167	167	167
40	154	154	154	154	153	153	153	153	153	153	153	153	154	154	154	154	155	155	155
45	141	141	140	140	140	140	139	140	139	140	139	140	140	140	141	141	142	141	142
50	127	127	126	126	126	126	125	125	125	125	125	126	126	126	127	127	128	127	128
55	112	112	111	111	111	111	110	111	110	111	110	111	112	111	112	112	113	113	113
60	96.8	96.8	95.9	95.9	95.2	95.3	94.8	95.1	94.8	95.3	95.1	95.7	96.2	96.1	96.8	96.7	97.4	97.3	97.8
65	81.1	81.1	80.3	80.2	79.4	79.5	79.0	79.4	79.1	79.6	79.4	80.0	80.5	80.5	81.2	81.0	81.7	81.6	82.1
70	65.3	65.4	64.5	64.4	63.5	63.6	63.1	63.5	63.3	63.8	63.7	64.3	64.8	64.8	65.5	65.3	66.0	65.8	66.3
75	50.0	50.0	49.1	48.9	48.1	48.1	47.7	48.0	47.9	48.6	48.5	49.1	49.6	49.6	50.1	50.0	50.6	50.3	50.7
80	35.6	35.6	34.6	34.3	33.5	33.5	33.1	33.5	33.4	34.1	34.2	34.9	35.3	35.3	35.8	35.5	35.9	35.5	35.9
85	21.3	23.0	22.1	21.7	20.9	20.8	20.3	20.7	20.8	21.5	21.8	22.6	22.2	21.8	23.0	22.7	22.8	22.4	22.7
90	12.6	13.0	12.1	11.6	10.7	10.6	10.3	10.6	10.6	11.3	11.8	12.7	11.4	8.97	12.7	12.2	12.1	11.7	11.9
95	4.49	0.14	0.53	0.16	0.30	0.21	0.32	0.24	0.20	0.25	1.92	0.32	5.57	0.29	2.89	0.19	0.13	0.14	0.12
100	0.38	0.24	0.17	0.21	0.20	0.19	0.24	0.19	0.18	0.25	0.20	0.29	0.40	0.33	0.29	0.21	0.19	0.20	0.18
105	0.64	0.55	0.39	0.28	0.29	0.26	0.23	0.28	0.31	0.30	0.49	0.48	0.68	0.70	0.40	0.29	0.33	0.31	0.28
110	1.36	1.16	0.87	0.59	0.48	0.47	0.44	0.47	0.65	0.63	1.50	1.40	1.47	2.36	1.14	0.66	0.43	0.40	0.40
115	3.19	1.73	1.33	1.00	0.93	0.77	0.75	0.79	0.85	1.08	2.05	2.20	3.10	2.23	1.55	1.13	0.86	0.70	0.67
120	3.07	2.32	1.67	1.33	1.20	1.11	1.08	1.14	1.40	1.93	2.85	3.25	3.12	2.72	2.08	1.49	1.19	1.06	0.95
125	2.89	2.43	1.87	1.56	1.40	1.30	1.34	1.46	1.71	2.14	2.71	2.91	2.97	2.80	2.35	1.77	1.46	1.32	1.29
130	2.81	2.64	2.12	1.66	1.58	1.47	1.52	1.64	1.91	1.96	2.67	2.86	2.93	2.83	2.28	1.92	1.68	1.54	1.50
135	2.87	2.87	2.19	0.87	1.65	1.62	1.67	1.82	2.02	1.87	2.14	2.81	2.87	2.90	2.21	1.27	1.84	1.75	1.69
140	2.70	2.57	2.18	0.66	1.74	1.80	1.83	2.03	2.22	0.73	2.20	2.39	2.53	2.47	2.13	0.70	1.10	1.93	1.95
145	2.71	2.57	1.37	0.58	0.72	1.42	1.78	1.72	0.82	0.59	0.50	2.37	2.44	2.42	0.62	0.60	0.71	1.62	1.54
150	1.45	0.59	0.61	0.67	0.73	0.93	0.91	1.05	0.65	0.90	0.53	0.62	0.64	0.64	0.68	0.75	0.64	0.88	0.98
155	1.16	0.67	1.09	1.19	0.85	1.33	0.69	1.27	0.73	1.08	0.86	0.85	0.91	1.11	1.22	0.84	0.76	1.19	1.04
160	0.93	0.70	0.88	0.68	1.63	2.16	1.31	1.35	1.93	1.64	0.81	0.88	0.79	0.86	0.95	1.72	2.45	1.61	1.12
165	1.67	1.82	1.11	1.04	1.38	0.96	0.95	0.93	1.95	1.65	0.67	1.18	2.12	1.70	0.80	1.11	1.54	1.03	0.75
170	0.92	0.71	0.81	0.81	0.72	0.73	0.70	0.70	0.73	0.73	0.67	0.83	0.73	0.77	0.76	0.77	0.74	0.76	0.73
175	0.75	0.75	0.76	0.75	0.75	0.76	0.72	0.72	0.77	0.77	0.70	0.70	0.74	0.78	0.77	0.76	0.76	0.77	0.75
180	0.79	0.79	0.79	0.77	0.79	0.78	0.76	0.77	0.77	0.78	0.72	0.70	0.73	0.78	0.75	0.76	0.74	0.77	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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.17V I:0.0798A P:9.8653W PF:0.9958 Freq:59.98Hz Lamp Flux:650x1 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	210	210	210	210	210														
5	210	210	210	210	210														
10	207	207	207	207	207														
15	202	202	202	202	202														
20	196	196	196	196	196														
25	188	188	188	188	188														
30	178	179	178	179	178														
35	167	168	167	168	167														
40	155	156	155	155	155														
45	142	142	142	142	142														
50	128	128	128	128	128														
55	113	113	113	113	113														
60	97.6	98.1	97.7	98.0	97.4														
65	81.9	82.3	82.0	82.3	81.7														
70	66.0	66.5	66.2	66.5	65.9														
75	50.4	50.9	50.6	51.1	50.6														
80	35.7	36.2	36.0	36.5	36.1														
85	22.5	23.0	23.1	23.5	19.5														
90	11.8	12.2	12.5	13.2	8.93														
95	0.13	0.15	0.13	1.57	0.26														
100	0.20	0.35	0.17	0.21	0.26														
105	0.24	0.30	0.26	0.43	0.52														
110	0.47	0.63	0.58	1.31	1.01														
115	0.72	0.79	1.18	1.97	2.12														
120	0.95	1.11	1.75	2.78	2.77														
125	1.36	1.57	1.96	2.63	2.78														
130	1.61	1.80	1.82	2.59	2.81														
135	1.84	1.75	1.95	2.80	2.82														
140	1.83	0.94	1.03	2.59	2.52														
145	1.08	0.68	0.60	2.15	2.57														
150	0.76	0.65	0.63	0.61	0.58														
155	1.30	0.87	1.18	1.09	0.74														
160	1.51	1.79	0.72	0.92	0.70														
165	1.63	2.00	1.86	1.00	1.04														
170	0.74	1.00	1.04	0.83	0.67														
175	0.75	0.77	0.77	0.74	0.69														
180	0.78	0.78	0.80	0.76	0.74														

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: