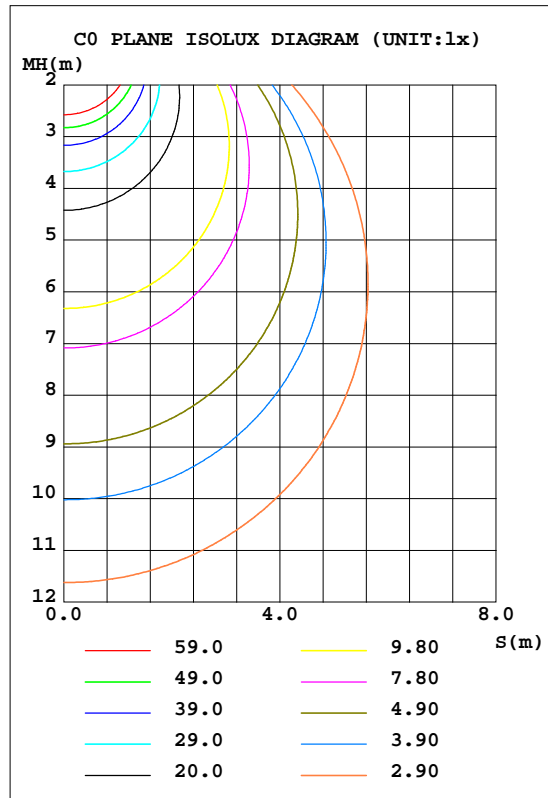
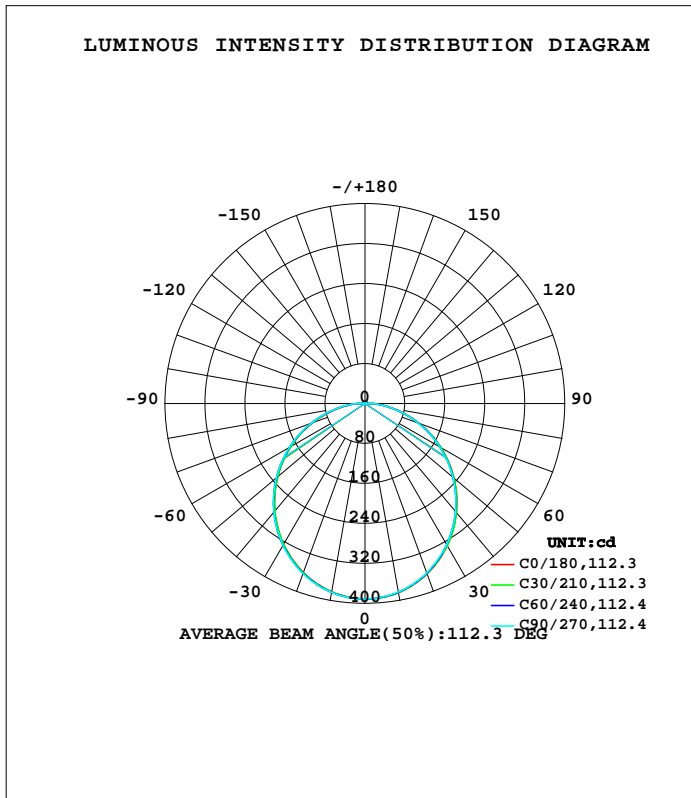


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.20V I:0.1314A P:15.236W PF:0.9956 Freq:59.98Hz Lamp Flux:1100x1 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			
MODELASD-LDS-6D15AC(2700K)		Imax(cd)	391.3	S/MH(C0/180)	1.24
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1100	h UP, DN(C0-180)	0.8,49.0
NOMINAL FLUX(lm)	1100	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.8,49.5
LAMPS INSIDE	1	h up(%)	1.5	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	h down(%)	98.5	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-17

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=1.0230]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

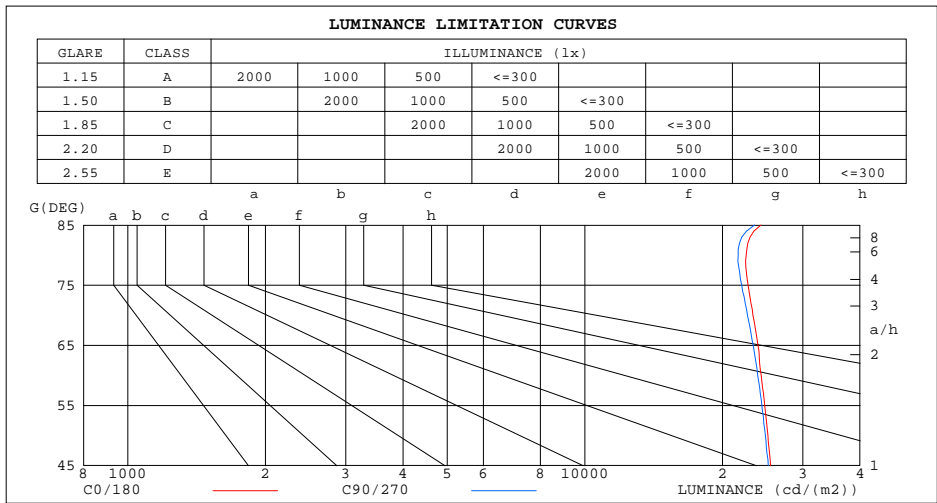
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	384.4	383.8	383.1	382.5	382.7	383.2	384.0	384.7	0- 10	36.97	36.97	3.2,3.2
20	362.9	362.1	360.7	359.6	360.0	361.1	362.5	363.6	10- 20	105.6	142.6	12.4,12.4
30	328.8	328.0	326.8	324.9	325.8	326.6	328.0	329.9	20- 30	159.3	301.9	26.2,26.2
40	284.5	283.5	282.1	279.9	280.9	281.9	283.5	285.8	30- 40	191.6	493.5	42.8,42.8
50	232.5	231.4	229.8	227.6	228.5	229.6	231.6	233.8	40- 50	198.6	692.1	60,60
60	174.8	173.7	172.2	170.0	170.8	172.1	173.9	176.2	50- 60	180.8	872.9	75.7,75.7
70	114.8	113.6	111.8	110.0	110.4	112.0	114.2	115.9	60- 70	141.6	1015	87.9,87.9
80	56.31	55.27	54.12	52.67	52.59	54.16	56.15	57.35	70- 80	87.87	1102	95.5,95.5
90	13.39	12.58	11.67	11.72	11.29	12.36	13.09	13.77	80- 90	33.83	1136	98.5,98.5
100	0.8620	0.7593	0.3964	0.5797	0.8085	0.5342	0.3678	0.4101	90-100	3.786	1140	98.8,98.8
110	3.946	1.386	1.244	1.502	3.465	1.534	1.254	1.407	100-110	1.219	1141	98.9,98.9
120	4.592	3.639	2.198	2.294	5.156	3.598	2.245	2.241	110-120	2.591	1144	99.1,99.1
130	6.675	3.385	3.329	2.842	5.428	4.168	3.272	2.806	120-130	3.489	1147	99.4,99.4
140	5.492	1.653	3.418	1.708	4.526	2.209	4.266	2.075	130-140	3.112	1150	99.7,99.7
150	1.814	1.595	1.635	1.494	1.724	1.776	2.246	1.316	140-150	1.770	1152	99.9,99.9
160	1.718	1.594	1.405	1.898	1.298	1.924	1.649	1.869	150-160	0.8339	1153	99.9,99.9
170	1.819	1.924	1.667	1.511	1.664	1.831	1.890	1.719	160-170	0.6333	1154	100,100
180	1.531	1.545	1.567	1.661	1.470	1.550	1.600	1.608	170-180	0.1536	1154	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-05-17

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=1.0230]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.20V I:0.1314A P:15.236W PF:0.9956 Freq:59.98Hz Lamp Flux:1100x1 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	24294	23521
80	22548	21640
75	22765	22047
70	23340	22703
65	23926	23350
60	24309	23913
55	24752	24405
50	25147	24821
45	25491	25215

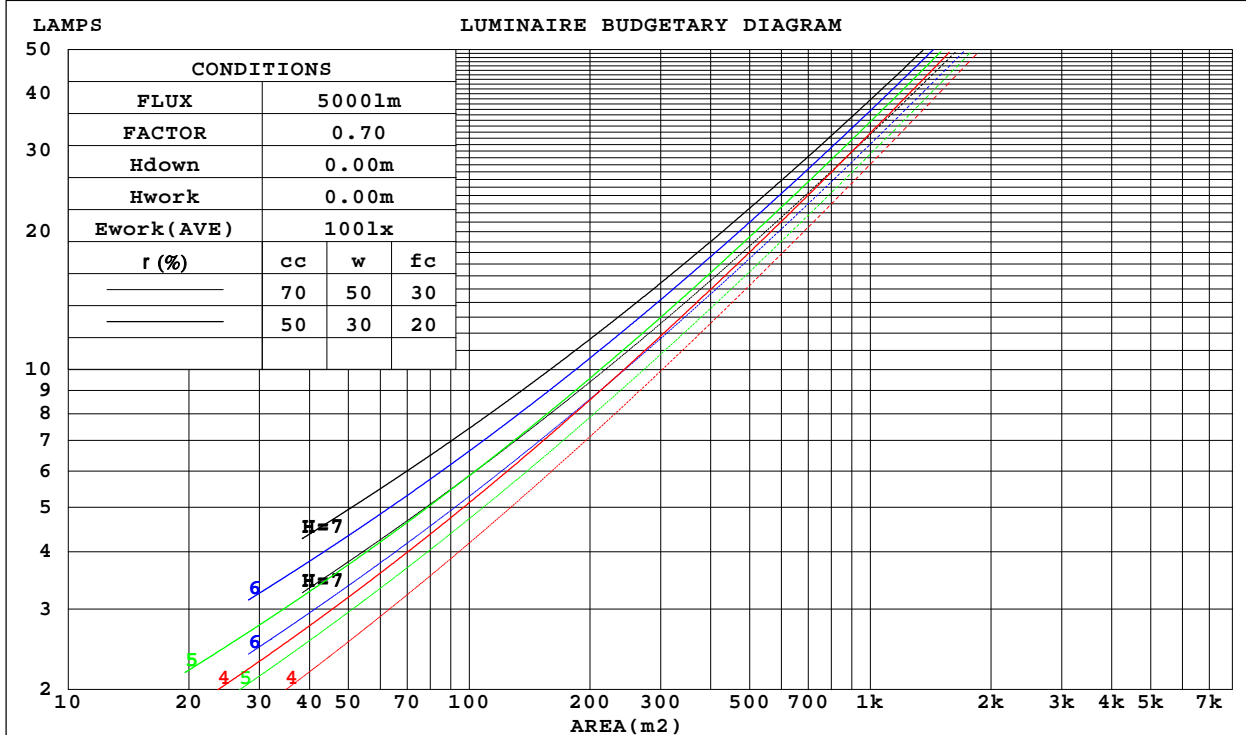
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-17

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=1.0230]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.20V I:0.1314A P:15.236W PF:0.9956 Freq:59.98Hz Lamp Flux:1100x1 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	1.03	.98	.94	1.00	.96	.93	.96	.92	.89	.92	.89	.86	.88	.86	.83	.81
2.0	.89	.82	.76	.87	.81	.75	.83	.78	.73	.80	.75	.71	.77	.73	.69	.67
3.0	.78	.70	.63	.76	.69	.62	.73	.67	.61	.70	.65	.60	.67	.63	.59	.56
4.0	.69	.60	.53	.68	.59	.53	.65	.58	.52	.62	.56	.51	.60	.55	.50	.48
5.0	.62	.53	.46	.60	.52	.45	.58	.51	.45	.56	.49	.44	.54	.48	.44	.41
6.0	.56	.46	.40	.54	.46	.40	.53	.45	.39	.51	.44	.39	.49	.43	.38	.36
7.0	.50	.41	.35	.49	.41	.35	.48	.40	.35	.46	.39	.34	.45	.39	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.42	.36	.31	.41	.35	.30	.28
9.0	.42	.34	.28	.41	.34	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.26
10.0	.39	.31	.26	.38	.31	.25	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-17

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=1.0230]
 Remarks:

WEC AND CCEC

Test:U:120.20V I:0.1314A P:15.236W PF:0.9956 Freq:59.98Hz Lamp Flux:1100x1 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	.324	.184	.058	.316	.180	.057	.302	.173	.055	.289	.167	.054	.277	.161	.052	
2.0	.300	.164	.050	.293	.161	.050	.281	.156	.048	.269	.151	.047	.258	.146	.046	
3.0	.275	.146	.044	.269	.144	.043	.258	.140	.043	.248	.136	.042	.238	.132	.041	
4.0	.253	.131	.039	.247	.130	.038	.238	.126	.038	.228	.123	.037	.220	.119	.036	
5.0	.233	.119	.034	.228	.117	.034	.219	.114	.034	.211	.111	.033	.203	.109	.033	
6.0	.215	.108	.031	.211	.107	.031	.203	.104	.030	.196	.102	.030	.189	.100	.030	
7.0	.200	.099	.028	.196	.098	.028	.189	.096	.028	.183	.094	.027	.177	.092	.027	
8.0	.187	.091	.026	.183	.090	.026	.177	.088	.025	.171	.087	.025	.165	.085	.025	
9.0	.175	.085	.024	.172	.084	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.164	.079	.022	.162	.078	.022	.156	.077	.022	.151	.075	.021	.147	.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	.202	.202	.202	.173	.173	.173	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.193	.168	.145	.165	.144	.125	.113	.099	.086	.065	.057	.050	.021	.018	.016	
2.0	.185	.144	.109	.159	.124	.094	.109	.086	.066	.063	.050	.038	.020	.016	.013	
3.0	.177	.126	.085	.152	.109	.074	.104	.076	.052	.060	.044	.031	.019	.014	.010	
4.0	.170	.113	.070	.146	.098	.061	.100	.068	.043	.058	.040	.025	.019	.013	.008	
5.0	.162	.103	.059	.139	.089	.051	.096	.062	.036	.056	.036	.021	.018	.012	.007	
6.0	.155	.094	.051	.133	.082	.044	.092	.057	.031	.053	.034	.019	.017	.011	.006	
7.0	.148	.087	.045	.127	.076	.039	.088	.053	.028	.051	.031	.017	.017	.010	.005	
8.0	.141	.082	.041	.122	.071	.035	.084	.050	.025	.049	.029	.015	.016	.010	.005	
9.0	.135	.077	.037	.117	.067	.032	.081	.047	.023	.047	.028	.014	.015	.009	.005	
10.0	.130	.072	.034	.112	.063	.030	.077	.044	.021	.045	.026	.013	.015	.009	.004	

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-17

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=1.0230]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.20V I:0.1314A P:15.236W PF:0.9956 Freq:59.98Hz Lamp Flux:1100x1 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	23.2	24.8	23.6	25.1	25.5	23.1	24.7	23.4	25.0	25.4
3H	25.1	26.6	25.5	27.0	27.4	25.0	26.4	25.4	26.8	27.2
4H	25.9	27.3	26.4	27.7	28.1	25.7	27.1	26.2	27.5	27.9
6H	26.6	27.9	27.0	28.3	28.7	26.4	27.7	26.8	28.0	28.5
8H	26.8	28.1	27.3	28.5	28.9	26.6	27.8	27.1	28.3	28.7
12H	27.1	28.2	27.5	28.6	29.1	26.8	28.0	27.3	28.4	28.9
4H 2H	23.8	25.2	24.3	25.6	26.0	23.7	25.1	24.1	25.5	25.9
3H	26.0	27.2	26.5	27.6	28.1	25.8	27.0	26.3	27.4	27.9
4H	27.0	28.0	27.4	28.5	28.9	26.8	27.8	27.2	28.3	28.7
6H	27.8	28.7	28.2	29.2	29.7	27.5	28.5	28.0	28.9	29.4
8H	28.1	29.0	28.6	29.4	29.9	27.8	28.7	28.3	29.2	29.7
12H	28.4	29.1	28.9	29.6	30.2	28.1	28.9	28.6	29.4	29.9
8H 4H	27.3	28.2	27.8	28.7	29.2	27.1	28.0	27.6	28.5	29.0
6H	28.3	29.0	28.8	29.5	30.0	28.0	28.8	28.6	29.3	29.8
8H	28.7	29.4	29.2	29.9	30.4	28.4	29.1	29.0	29.6	30.2
12H	29.1	29.7	29.6	30.2	30.8	28.8	29.4	29.4	29.9	30.5
12H 4H	27.4	28.2	27.9	28.7	29.2	27.2	27.9	27.7	28.5	29.0
6H	28.4	29.0	28.9	29.5	30.1	28.1	28.8	28.7	29.3	29.9
8H	28.9	29.4	29.4	30.0	30.6	28.6	29.2	29.1	29.7	30.3
CIE190: 2010										

CIE190: 2010
Area: 0.0144 m2

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-05-17

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=1.0230]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.20V I:0.1314A P:15.236W PF:0.9956 Freq:59.98Hz Lamp Flux:1100x1 lm		
NAME: LED DOWN LIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:

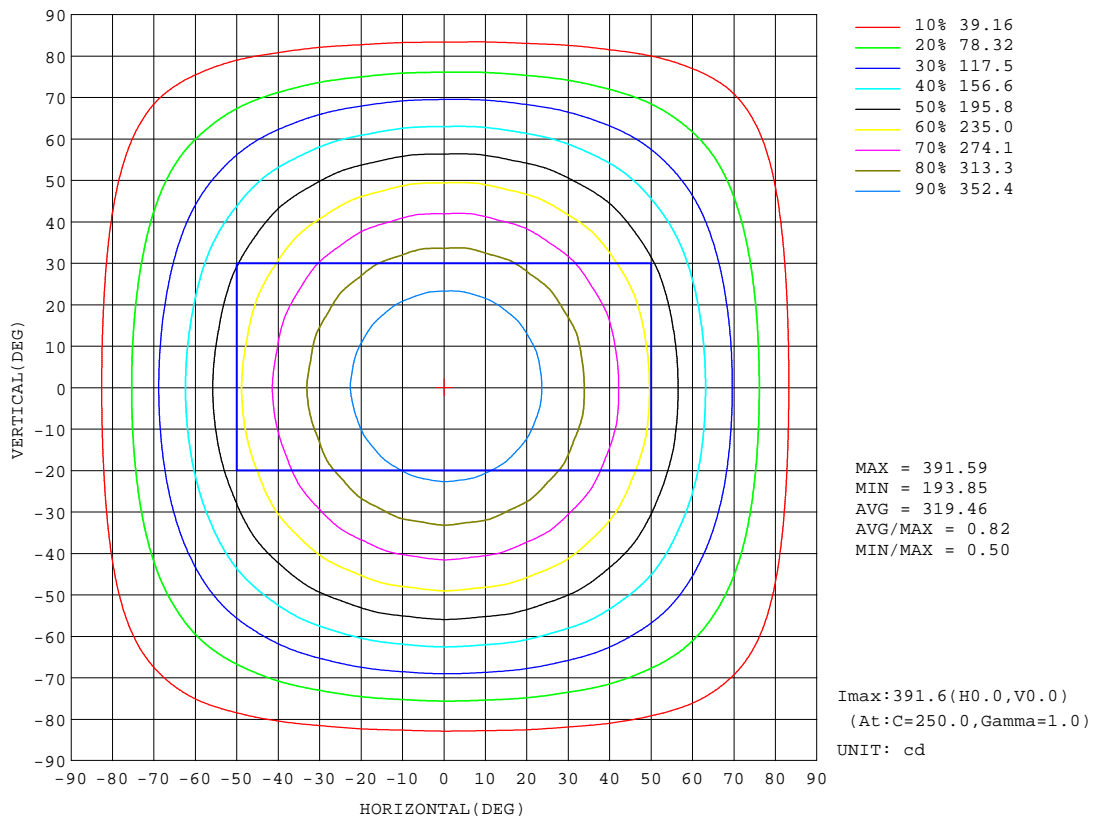
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	45	38	56	45	38	54	44	37	31
0.80	66	55	47	65	54	47	63	53	46	39
1.00	75	63	56	73	63	56	71	64	55	48
1.25	82	71	64	80	70	63	77	69	62	55
1.50	87	77	69	85	76	69	82	74	68	60
2.00	94	85	78	92	83	77	88	81	76	67
2.50	98	90	83	95	88	82	91	85	80	71
3.00	101	94	88	99	92	87	94	89	85	76
4.00	105	99	94	103	97	93	98	94	90	80
5.00	108	103	98	105	100	97	100	97	93	84
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-05-17

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=1.0230]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.20V I:0.1314A P:15.236W PF:0.9956 Freq:59.98Hz Lamp Flux:1100x1 lm		
NAME: LED DOWN LIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:



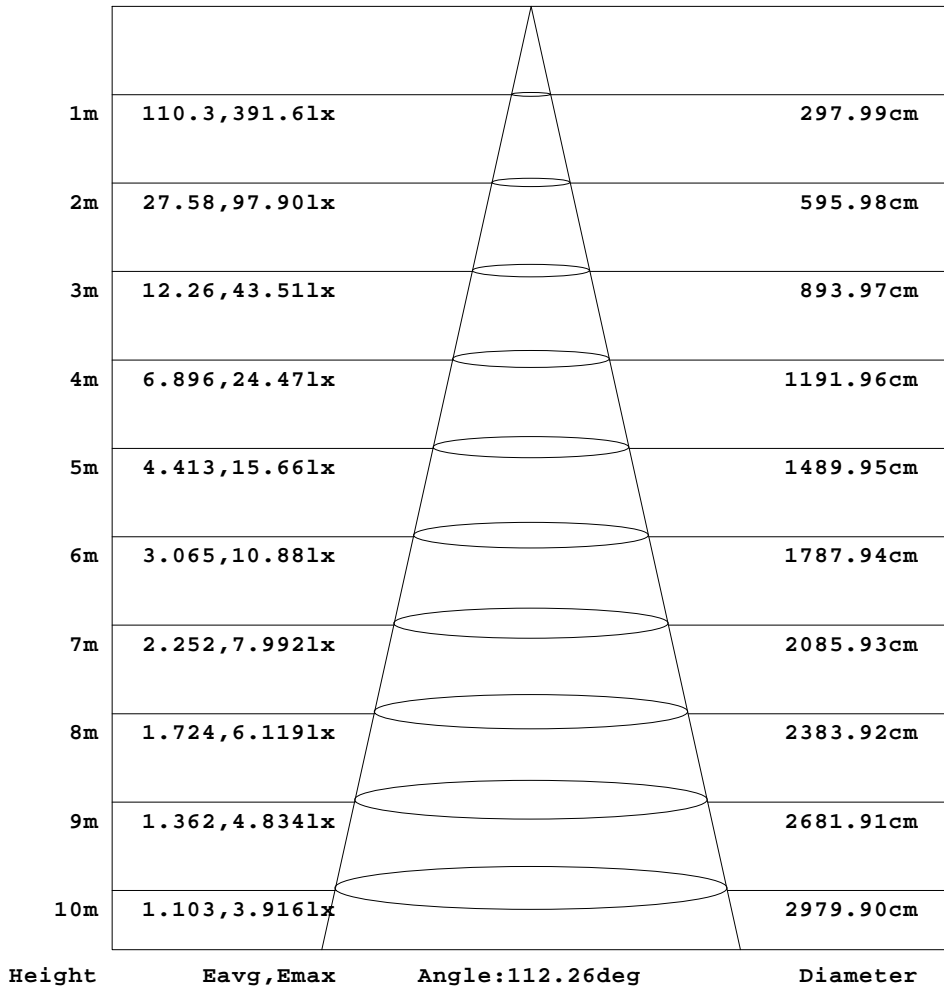
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-17

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=1.0230]
 Remarks:

AAI Figure

Test:U:120.20V I:0.1314A P:15.236W PF:0.9956 Freq:59.98Hz Lamp Flux:1100x1 lm		
NAME: LED DOWN LIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:

Flux out:821.9 lm



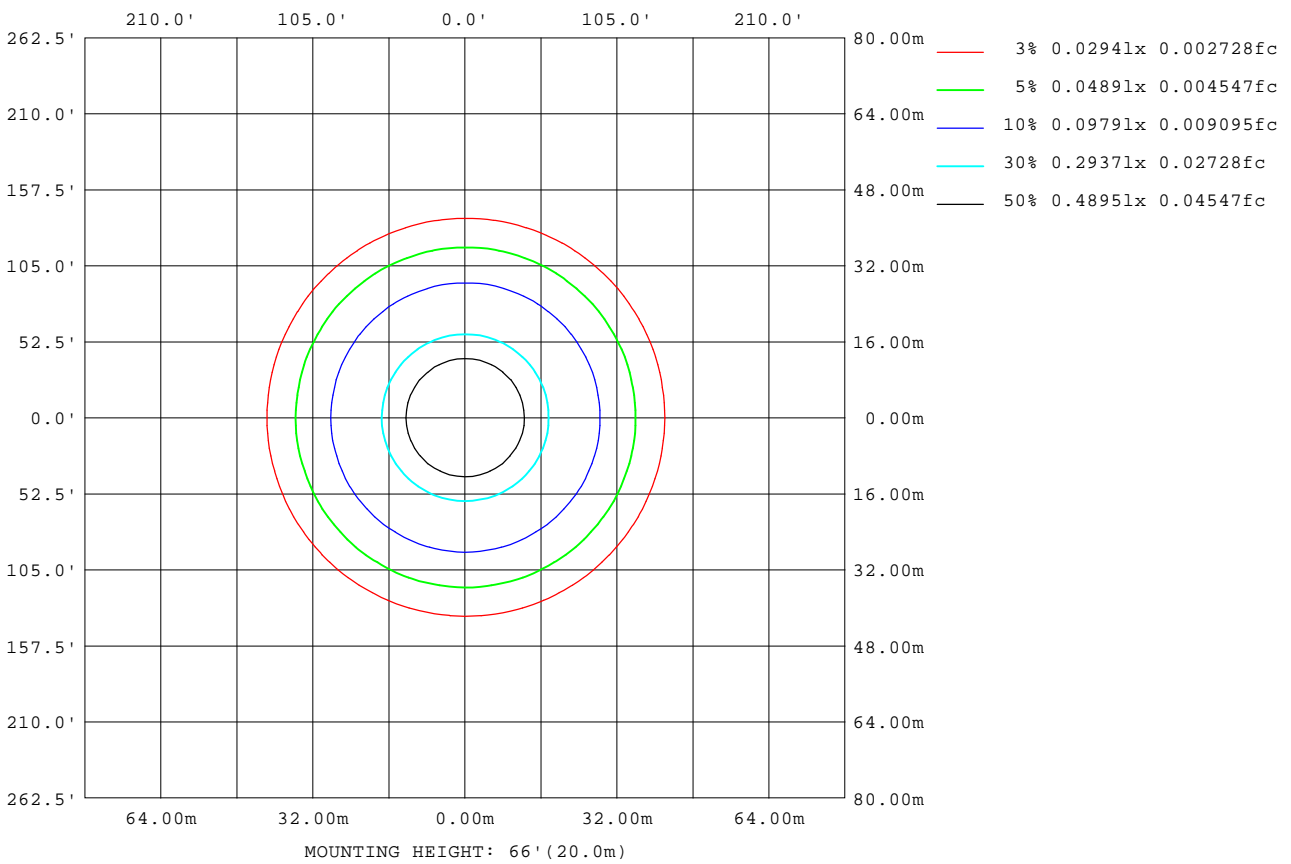
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-17

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=1.0230]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.20V I:0.1314A P:15.236W PF:0.9956 Freq:59.98Hz Lamp Flux:1100x1 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: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-05-17

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=1.0230]
 Remarks:

LED Avg.L Report

Test:U:120.20V I:0.1314A P:15.236W PF:0.9956 Freq:59.98Hz Lamp Flux:1100x1 lm		
NAME: LED DOWN LIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:

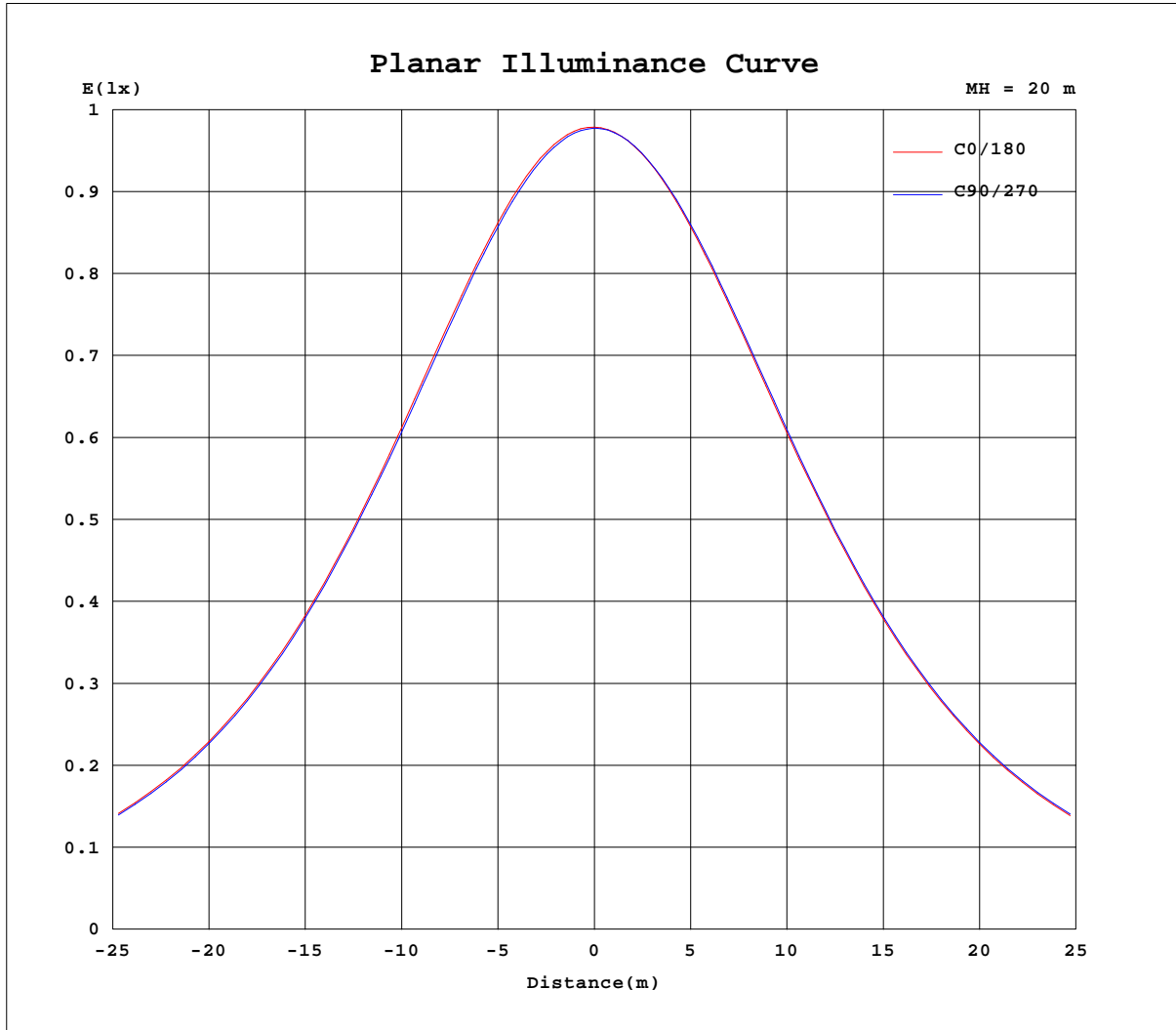
AvgL	cd/m2
L_0~180(65)av	23514
L_0~180(75)av	22177
L_0~180(85)av	23144
L_90~270(65)av	23562
L_90~270(75)av	22347
L_90~270(85)av	24188
L_45(65)av	23544
L_45(75)av	22287
L_45(85)av	24137

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-05-17

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=1.0230]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-05-17

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=1.0230]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.20V I:0.1314A P:15.236W PF:0.9956 Freq:59.98Hz Lamp Flux:1100x1 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	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	391	391	391	391	391	391	391	391	391	391	391	391	391	391	391	391	391	391	391
5	390	390	390	389	389	389	389	389	389	389	389	389	389	389	389	389	389	389	389
10	384	384	384	384	384	384	384	384	383	383	383	383	383	383	382	382	382	382	383
15	375	376	375	375	375	375	374	374	373	374	373	373	373	373	373	373	373	373	373
20	363	363	362	363	362	362	361	362	361	361	360	360	360	360	359	360	359	360	360
25	347	348	347	347	346	346	346	346	345	345	344	344	343	344	343	343	343	343	344
30	329	330	328	330	328	328	327	328	326	327	325	326	324	326	324	325	324	325	326
35	308	309	307	308	306	307	306	307	305	306	304	305	303	304	303	304	302	304	304
40	284	286	284	285	283	284	282	283	281	282	280	281	279	281	279	280	279	280	281
45	259	261	259	260	258	259	257	258	256	257	255	256	254	255	254	255	253	255	255
50	232	234	232	233	231	232	230	231	229	230	228	229	227	228	227	228	226	228	228
55	204	205	203	205	203	204	202	203	200	202	200	201	199	200	198	200	198	200	200
60	175	176	174	175	173	174	172	173	171	172	170	171	170	171	169	170	169	170	171
65	145	146	145	145	144	144	143	143	142	142	141	141	140	141	140	140	140	140	141
70	115	115	114	114	113	114	113	113	112	112	111	111	110	110	110	110	109	110	110
75	84.7	85.1	84.2	84.4	83.6	83.9	82.9	83.0	82.0	82.2	81.3	81.5	80.6	80.8	80.0	80.3	79.7	80.2	80.6
80	56.3	56.5	55.6	56.0	55.1	55.4	54.5	54.8	53.9	54.1	53.3	53.6	52.8	53.0	52.3	52.6	51.9	52.4	52.6
85	30.5	29.2	28.0	29.8	30.3	30.5	29.8	30.0	29.3	29.5	28.9	29.2	28.6	28.9	28.4	28.3	27.1	27.3	27.6
90	13.4	10.1	9.55	12.7	12.6	12.6	12.0	12.1	11.5	11.7	11.3	11.6	11.4	11.8	11.7	11.8	8.94	7.32	11.3
95	4.22	3.29	1.07	1.50	1.86	0.34	0.30	0.25	0.27	0.25	0.31	0.30	0.29	0.27	0.41	1.08	0.43	1.71	3.06
100	0.86	0.75	0.75	0.75	0.97	0.55	0.35	0.39	0.38	0.40	0.44	0.45	0.45	0.51	0.65	0.59	0.61	0.90	0.81
105	2.54	2.03	1.95	1.16	0.98	0.91	1.00	0.97	0.85	0.78	0.81	0.87	0.92	0.80	1.09	1.18	1.48	1.59	2.06
110	3.95	4.07	3.79	2.80	1.62	1.15	1.23	1.23	1.24	1.24	1.25	1.22	1.30	1.21	1.79	1.93	2.27	2.52	3.47
115	4.04	4.19	4.25	4.90	4.14	1.62	1.67	1.51	1.57	1.57	1.65	1.66	1.79	1.67	2.17	2.41	2.90	3.71	4.40
120	4.59	5.19	5.24	5.68	5.19	2.09	4.13	2.93	2.33	2.20	2.18	2.17	2.21	1.96	2.63	2.89	3.78	4.73	5.16
125	5.58	6.51	5.92	5.79	5.49	2.26	4.94	4.21	3.28	2.93	2.66	2.52	2.61	2.27	3.13	3.41	4.02	4.73	5.31
130	6.67	7.04	6.29	6.01	5.01	1.76	4.60	4.22	3.66	3.33	3.05	2.92	2.76	2.37	3.31	3.61	4.29	4.91	5.43
135	6.59	6.75	6.09	5.72	5.00	1.97	4.52	3.96	3.49	3.48	3.30	3.09	2.70	2.00	2.74	3.31	4.33	5.10	5.33
140	5.49	5.63	5.57	5.53	2.23	1.08	1.87	3.03	3.63	3.42	3.13	2.74	2.70	1.23	2.19	3.01	3.56	4.21	4.53
145	4.78	4.89	5.03	4.21	1.21	1.34	1.83	1.74	2.33	2.11	2.17	2.46	2.04	1.20	1.37	1.78	3.19	3.80	4.05
150	1.81	1.75	1.38	1.61	1.74	1.45	1.48	1.97	1.53	1.64	1.60	1.78	1.90	1.46	1.53	1.47	1.51	1.64	1.72
155	1.67	1.69	1.28	1.73	1.71	1.64	1.83	2.28	2.09	1.68	1.34	1.71	2.15	1.33	1.76	2.32	2.53	1.76	1.45
160	1.72	1.25	1.43	1.74	1.51	1.68	2.66	1.58	1.56	1.41	2.77	3.69	3.48	2.29	1.50	1.98	1.92	2.03	1.30
165	2.51	2.54	1.72	1.91	3.21	3.37	3.34	3.11	2.02	1.76	2.05	2.22	2.04	1.63	1.57	2.14	3.04	3.01	2.03
170	1.82	1.46	1.61	1.71	1.68	2.17	2.17	1.72	1.81	1.67	1.74	1.82	1.70	1.44	1.58	1.69	1.77	1.85	1.66
175	1.50	1.45	1.50	1.56	1.50	1.54	1.51	1.51	1.54	1.54	1.53	1.54	1.56	1.53	1.63	1.64	1.54	1.56	1.44
180	1.53	1.48	1.53	1.58	1.53	1.56	1.52	1.52	1.59	1.57	1.57	1.61	1.62	1.60	1.72	1.69	1.61	1.58	1.47

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-17

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=1.0230]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.20V I:0.1314A P:15.236W PF:0.9956 Freq:59.98Hz Lamp Flux:1100x1 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)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	391	391	391	391	391	391	391	391	391	391	391	391	391	391	391	391	391		
5	389	389	389	389	389	389	389	389	389	389	390	390	390	390	390	390	390		
10	383	383	383	383	383	384	384	384	384	384	384	384	385	385	385	385	385		
15	373	373	373	374	374	374	375	375	375	375	376	376	376	376	376	376	376		
20	360	361	360	361	361	362	362	362	362	363	363	363	363	364	363	364	363		
25	344	344	344	345	345	346	346	347	347	348	347	348	348	349	348	349	348		
30	325	326	325	327	326	328	327	330	328	330	329	331	329	331	329	331	329		
35	303	305	304	306	305	307	306	308	307	309	308	310	308	310	308	310	308		
40	280	281	280	282	281	284	283	285	283	285	284	286	285	287	285	287	285		
45	254	256	255	257	256	258	257	259	258	260	259	261	260	262	260	262	260		
50	227	229	228	230	229	231	230	232	232	233	232	234	233	235	233	235	233		
55	199	201	200	202	201	203	202	204	203	205	204	206	205	206	205	206	205		
60	170	171	170	172	172	174	173	175	174	176	175	177	175	177	176	177	175		
65	140	141	141	142	142	144	144	145	145	146	146	146	146	147	146	147	146		
70	110	111	111	112	112	113	113	114	114	115	115	116	116	116	116	116	115		
75	80.2	81.2	81.0	82.3	82.3	83.5	83.4	84.5	84.4	85.4	85.1	86.0	85.4	86.1	85.5	86.1	85.1		
80	52.2	53.2	53.0	54.2	54.2	55.3	55.3	56.3	56.2	57.1	56.8	57.5	57.1	57.6	57.0	57.5	56.7		
85	28.4	29.1	29.0	29.8	29.7	30.5	30.5	31.3	31.2	31.9	31.7	32.3	32.0	32.5	32.1	32.4	31.8		
90	12.0	12.3	12.1	12.4	12.3	12.7	12.9	13.2	13.1	13.6	13.5	13.9	13.6	13.9	13.8	14.1	13.8		
95	2.38	0.69	1.24	0.82	0.25	0.26	0.29	1.10	1.00	1.14	0.31	0.26	0.26	1.82	1.96	0.93	2.88		
100	0.71	0.53	0.58	0.57	0.50	0.42	0.39	0.44	0.37	0.43	0.45	0.40	0.41	0.41	0.36	0.63	0.74		
105	1.57	1.56	1.07	0.97	0.95	1.03	0.90	0.82	0.71	0.74	0.74	0.81	0.89	0.97	0.88	1.21	1.80		
110	1.68	3.07	2.70	1.78	1.29	1.28	1.27	1.28	1.25	1.22	1.22	1.26	1.31	1.50	1.65	1.88	2.25		
115	4.94	4.99	4.49	3.73	1.67	1.64	1.57	1.59	1.60	1.65	1.66	1.76	1.81	1.93	2.17	2.50	3.10		
120	5.41	5.81	5.61	5.29	1.90	3.02	2.52	2.31	2.25	2.21	2.13	2.15	2.13	2.35	2.65	2.97	3.66		
125	5.68	5.78	6.16	6.28	2.02	4.54	3.83	3.25	2.88	2.67	2.53	2.50	2.45	2.74	3.19	3.62	4.42		
130	5.79	5.92	6.57	6.35	1.99	4.83	4.25	3.67	3.27	3.05	2.87	2.80	2.64	2.98	3.22	4.16	5.08		
135	5.72	5.78	5.49	4.89	2.23	5.09	4.38	4.15	3.93	3.68	3.29	2.85	2.17	2.92	3.23	4.19	5.51		
140	4.85	5.03	5.00	2.64	1.78	4.80	4.54	4.21	4.27	3.83	3.03	3.11	1.65	2.50	3.11	4.00	4.70		
145	4.37	4.54	2.74	1.30	1.83	3.28	4.09	3.89	3.64	3.15	2.80	2.29	1.52	1.18	2.08	3.60	4.17		
150	1.86	1.44	1.39	1.86	1.69	1.89	2.21	2.31	2.25	2.03	1.96	1.81	1.25	1.38	1.59	1.31	1.62		
155	1.80	1.64	1.47	1.70	1.53	1.50	1.85	1.58	1.35	1.44	1.94	1.86	1.40	1.77	2.31	1.90	1.34		
160	1.67	1.71	1.48	1.38	2.46	2.44	1.62	1.59	1.65	2.75	3.90	3.47	2.13	1.60	2.29	1.90	2.04		
165	1.89	1.69	1.47	3.25	3.53	3.51	3.09	2.30	1.91	1.99	2.42	1.90	1.56	1.86	2.74	3.50	3.34		
170	1.78	1.67	1.50	1.69	1.97	1.92	2.00	2.07	1.89	1.82	1.82	1.60	1.64	1.79	1.98	2.13	2.29		
175	1.64	1.57	1.47	1.54	1.57	1.53	1.57	1.67	1.57	1.58	1.58	1.57	1.58	1.58	1.60	1.52	1.59		
180	1.61	1.59	1.51	1.51	1.59	1.57	1.61	1.61	1.60	1.60	1.53	1.58	1.61	1.61	1.62	1.56	1.59		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-17

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=1.0230]
 Remarks: