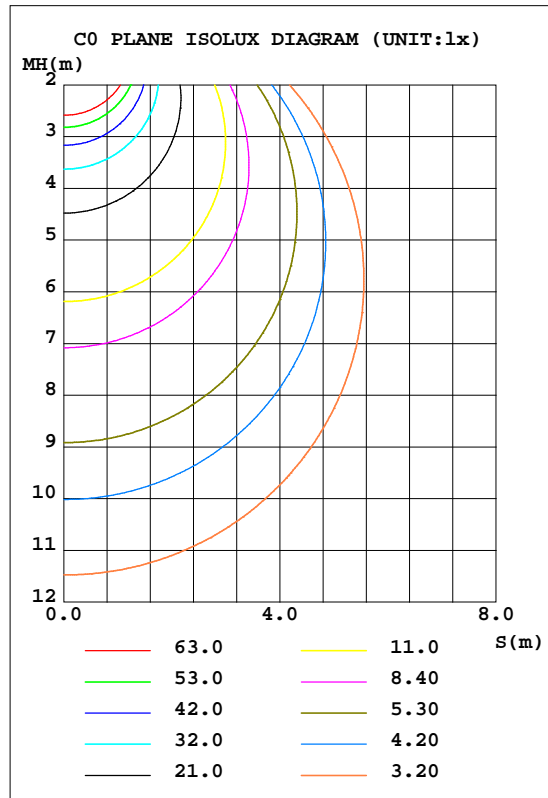
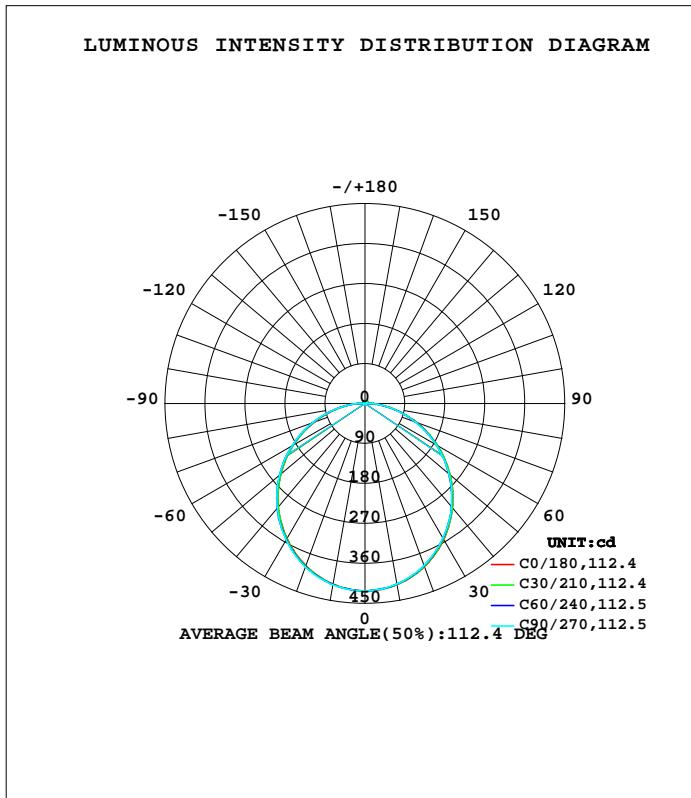


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.18V I:0.1331A P:15.921W PF:0.9954 Freq:59.98Hz Lamp Flux:1245.67x1 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: 78.24 lm/W
MODELASD-LDS-6D15AC(3500K)		I _{max} (cd)	421.8	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)	1245.7	h UP, DN(C0-180)	0.8, 48.8	
NOMINAL FLUX(lm)	1245.67	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.8, 49.6	
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: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-18

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=1.0115]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

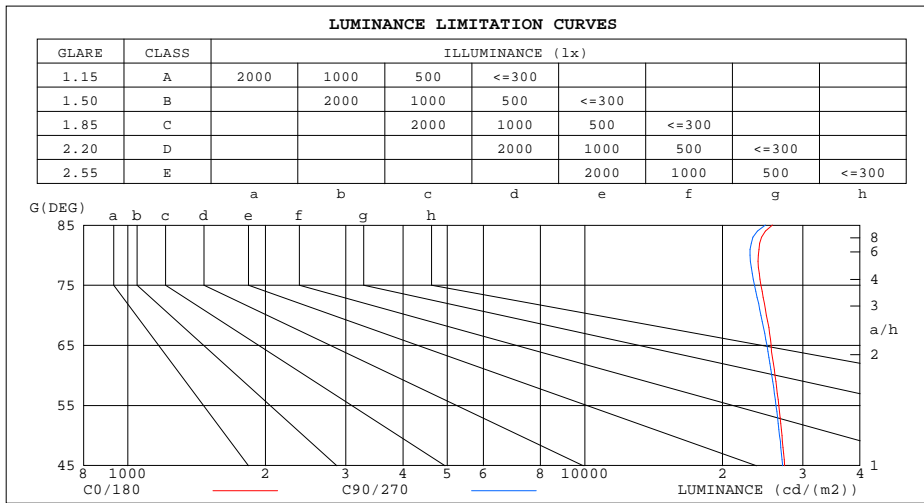
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	414.2	413.2	412.7	412.3	413.0	413.6	414.6	414.9	0- 10	39.86	39.86	3.2,3.2
20	390.9	389.4	388.3	387.5	388.8	390.2	391.8	392.3	10- 20	113.9	153.7	12.3,12.3
30	353.9	352.3	350.7	349.5	351.3	353.1	355.0	355.9	20- 30	171.8	325.5	26.1,26.1
40	306.2	304.5	303.4	301.5	304.0	305.6	307.2	308.8	30- 40	206.5	532.0	42.7,42.7
50	250.2	248.3	246.9	245.1	247.6	249.4	251.2	252.8	40- 50	214.4	746.4	59.9,59.9
60	187.9	186.3	184.8	183.0	185.5	187.5	189.2	190.5	50- 60	195.3	941.7	75.6,75.6
70	123.1	121.4	119.6	118.2	120.2	122.6	124.6	125.3	60- 70	152.9	1095	87.9,87.9
80	59.98	58.88	57.51	56.09	57.62	59.99	61.18	61.67	70- 80	94.85	1189	95.5,95.5
90	13.87	13.34	12.21	12.16	12.58	13.96	14.18	14.35	80- 90	36.41	1226	98.4,98.4
100	1.072	0.6429	0.4530	0.6042	0.9466	0.5806	0.4085	0.5096	90-100	4.005	1230	98.7,98.7
110	4.362	2.083	1.086	1.816	3.844	2.043	1.073	1.811	100-110	1.454	1231	98.8,98.8
120	6.279	3.940	2.191	3.123	6.383	3.405	2.343	2.852	110-120	3.191	1234	99.1,99.1
130	6.709	4.722	3.233	3.521	6.552	4.035	3.062	3.472	120-130	3.976	1238	99.4,99.4
140	5.823	2.586	3.952	2.376	5.548	2.862	3.999	2.689	130-140	3.559	1242	99.7,99.7
150	2.322	1.553	2.186	1.633	2.117	1.773	2.108	1.643	140-150	1.950	1244	99.9,99.9
160	1.927	1.595	1.498	2.060	1.493	1.833	1.482	2.022	150-160	0.8939	1245	99.9,99.9
170	2.753	1.981	1.510	1.879	2.491	1.886	1.810	1.784	160-170	0.6741	1246	100,100
180	1.598	1.638	1.619	1.797	1.631	1.698	1.640	1.882	170-180	0.1654	1246	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:2022-05-18

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=1.0115]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.18V I:0.1331A P:15.921W PF:0.9954 Freq:59.98Hz Lamp Flux:1245.67x1 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	25735	24847
80	23962	22998
75	24297	23508
70	24965	24287
65	25559	25031
60	26072	25666
55	26562	26213
50	27001	26678
45	27374	27118

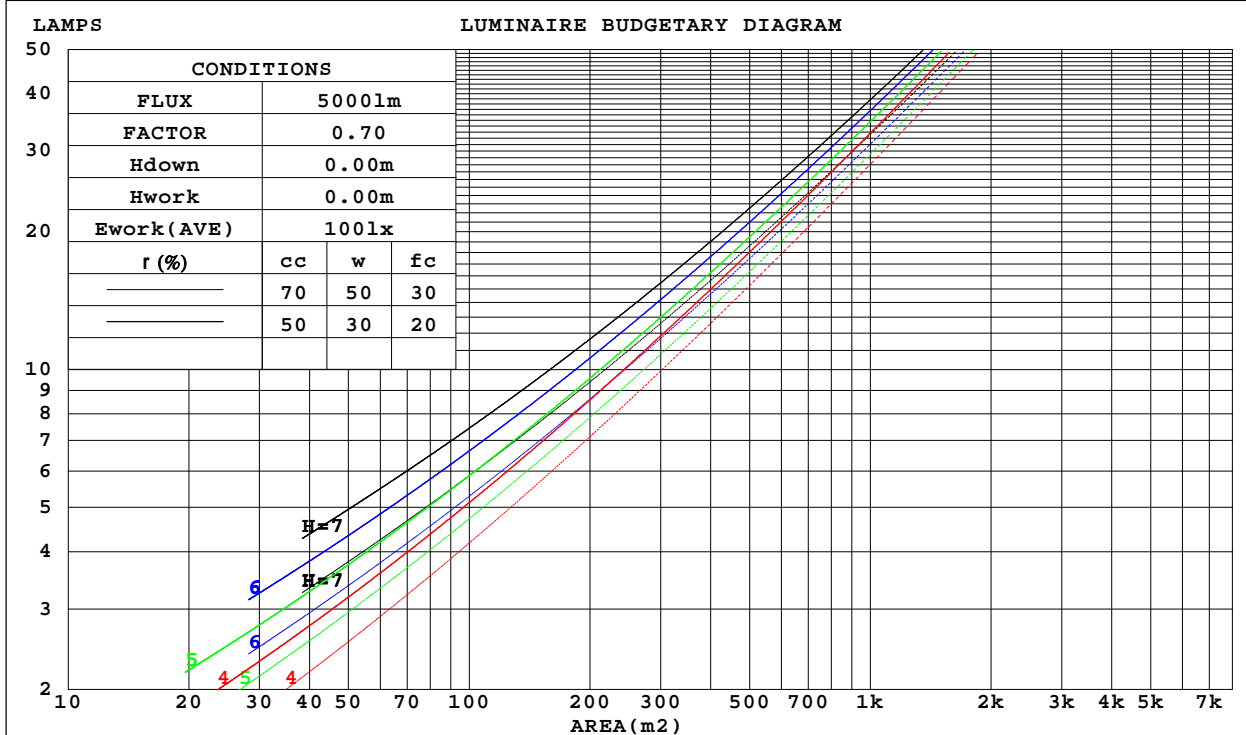
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-18

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=1.0115]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.18V I:0.1331A P:15.921W PF:0.9954 Freq:59.98Hz Lamp Flux:1245.67x1 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	.92	.96	.92	.89	.92	.89	.86	.88	.85	.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	.52	.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	.33	.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:2022-05-18

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=1.0115]
 Remarks:

WEC AND CCEC

Test:U:120.18V I:0.1331A P:15.921W PF:0.9954 Freq:59.98Hz Lamp Flux:1245.67x1 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	.324	.184	.058	.316	.180	.057	.302	.173	.055	.289	.167	.053	.277	.161	.052	
2.0	.300	.164	.050	.293	.161	.050	.280	.156	.048	.269	.151	.047	.258	.146	.046	
3.0	.275	.146	.044	.269	.144	.043	.258	.140	.042	.248	.136	.042	.238	.132	.041	
4.0	.253	.131	.039	.247	.129	.038	.237	.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	.176	.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	.161	.078	.022	.156	.077	.022	.151	.075	.021	.147	.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	.194	.168	.145	.166	.144	.125	.113	.099	.087	.065	.057	.050	.021	.019	.016	
2.0	.186	.144	.109	.159	.124	.095	.109	.086	.066	.063	.050	.039	.020	.016	.013	
3.0	.178	.127	.086	.153	.109	.075	.105	.076	.052	.060	.044	.031	.019	.014	.010	
4.0	.170	.114	.070	.146	.098	.061	.100	.068	.043	.058	.040	.025	.019	.013	.008	
5.0	.163	.103	.059	.140	.089	.052	.096	.062	.036	.056	.037	.022	.018	.012	.007	
6.0	.155	.095	.051	.134	.082	.045	.092	.058	.032	.053	.034	.019	.017	.011	.006	
7.0	.149	.088	.046	.128	.076	.040	.088	.053	.028	.051	.032	.017	.017	.010	.006	
8.0	.142	.082	.041	.122	.071	.036	.085	.050	.025	.049	.030	.015	.016	.010	.005	
9.0	.136	.077	.038	.117	.067	.033	.081	.047	.023	.047	.028	.014	.015	.009	.005	
10.0	.130	.073	.035	.112	.063	.031	.078	.045	.022	.045	.026	.013	.015	.009	.004	

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-18

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=1.0115]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.18V I:0.1331A P:15.921W PF:0.9954 Freq:59.98Hz Lamp Flux:1245.67x1 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	23.4	25.0	23.8	25.4	25.7	23.3	24.9	23.7	25.3	25.6
3H	25.4	26.8	25.8	27.2	27.6	25.2	26.7	25.6	27.0	27.4
4H	26.1	27.5	26.6	27.9	28.3	25.9	27.3	26.4	27.7	28.1
6H	26.8	28.1	27.2	28.5	28.9	26.6	27.9	27.0	28.2	28.7
8H	27.0	28.3	27.5	28.7	29.1	26.8	28.0	27.2	28.5	28.9
12H	27.2	28.4	27.7	28.8	29.3	27.0	28.2	27.5	28.6	29.1
4H 2H	24.0	25.4	24.5	25.8	26.2	23.9	25.3	24.4	25.7	26.1
3H	26.2	27.4	26.7	27.8	28.3	26.1	27.2	26.5	27.7	28.1
4H	27.2	28.2	27.6	28.7	29.2	27.0	28.0	27.4	28.5	28.9
6H	28.0	28.9	28.4	29.4	29.9	27.7	28.7	28.2	29.1	29.6
8H	28.3	29.2	28.8	29.6	30.1	28.0	28.9	28.5	29.4	29.9
12H	28.6	29.3	29.1	29.8	30.4	28.3	29.1	28.8	29.6	30.1
8H 4H	27.5	28.4	28.0	28.9	29.4	27.3	28.2	27.8	28.7	29.2
6H	28.5	29.2	29.0	29.7	30.2	28.2	29.0	28.7	29.5	30.0
8H	28.9	29.5	29.4	30.1	30.6	28.6	29.3	29.2	29.8	30.3
12H	29.3	29.9	29.8	30.4	31.0	29.0	29.6	29.5	30.1	30.7
12H 4H	27.6	28.4	28.1	28.9	29.4	27.4	28.2	27.9	28.7	29.2
6H	28.6	29.2	29.1	29.7	30.3	28.3	29.0	28.9	29.5	30.0
8H	29.0	29.6	29.6	30.2	30.7	28.8	29.4	29.3	29.9	30.5
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:2022-05-18

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=1.0115]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.18V I:0.1331A P:15.921W PF:0.9954 Freq:59.98Hz Lamp Flux:1245.67x1 lm		
NAME: LED DOWN LIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:

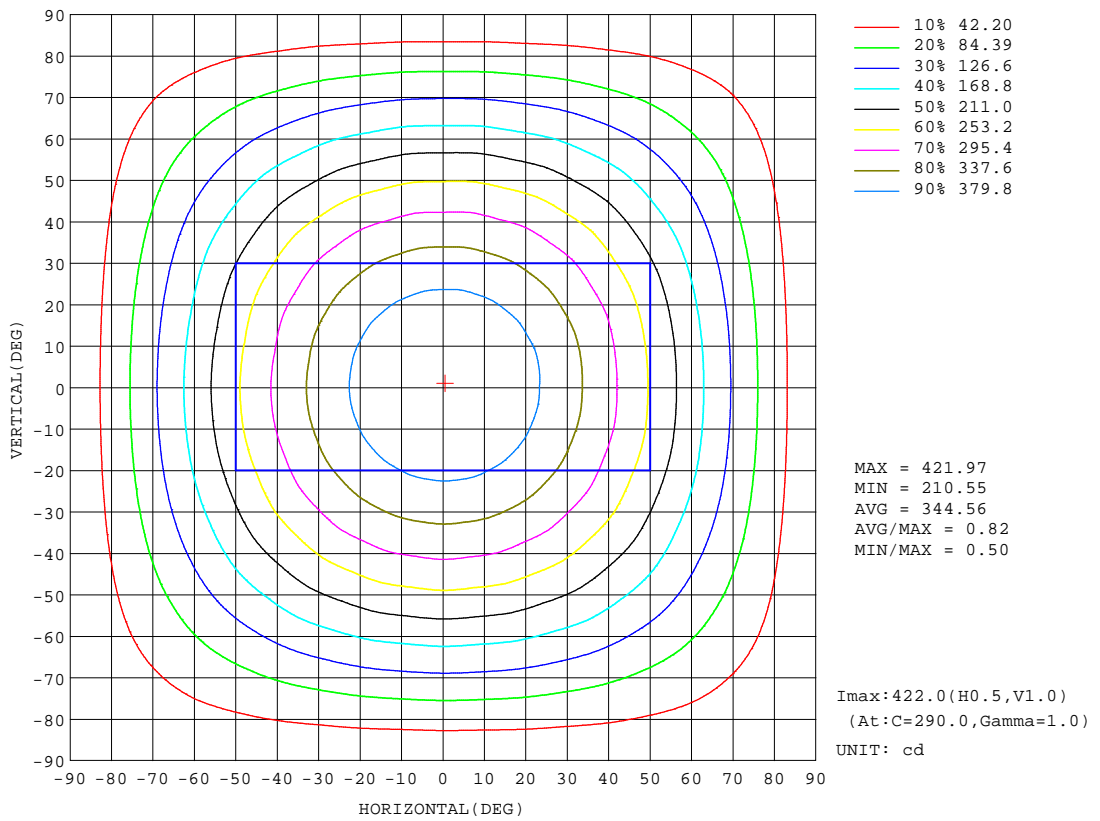
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	45	38	56	44	38	54	44	37	31
0.80	66	55	47	65	54	47	63	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	75
4.00	105	99	94	103	97	93	98	94	90	80
5.00	108	103	98	105	100	96	100	97	93	83
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: 2022-05-18

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=1.0115]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.18V I:0.1331A P:15.921W PF:0.9954 Freq:59.98Hz Lamp Flux:1245.67x1 lm		
NAME: LED DOWN LIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:



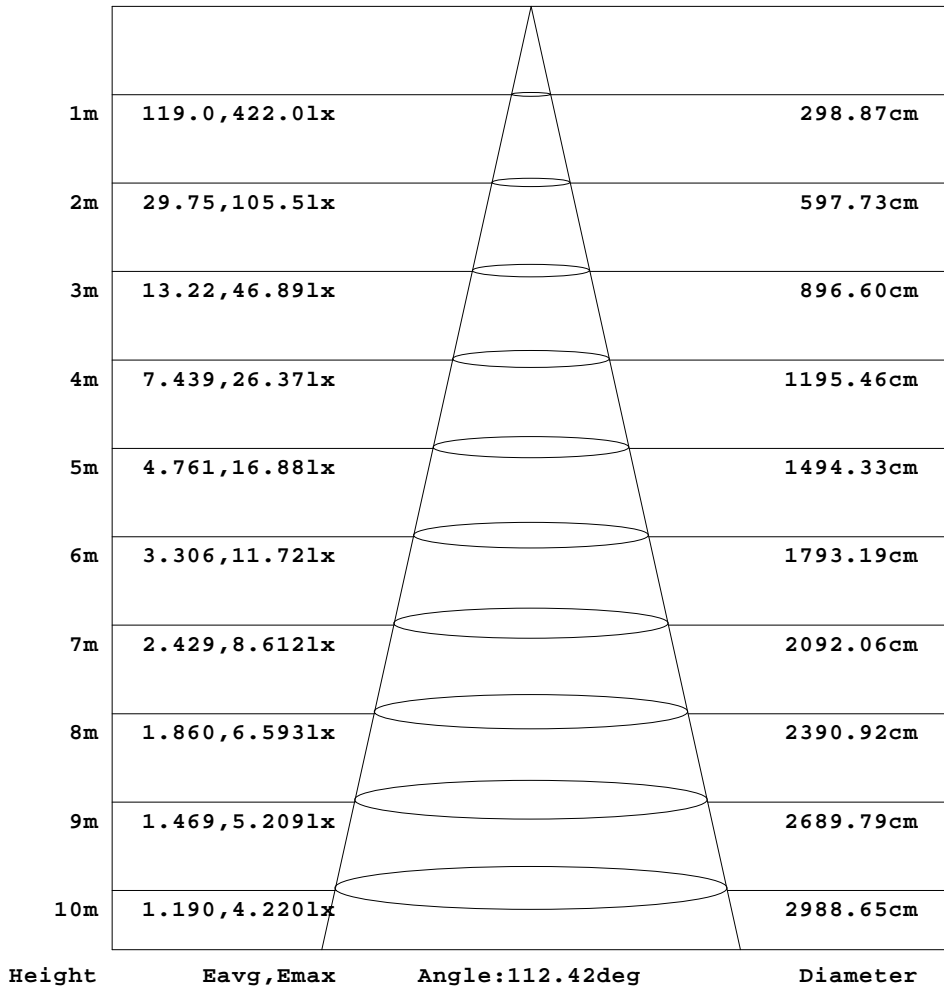
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-18

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=1.0115]
 Remarks:

AAI Figure

Test:U:120.18V I:0.1331A P:15.921W PF:0.9954 Freq:59.98Hz Lamp Flux:1245.67x1 lm		
NAME: LED DOWN LIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:

Flux out:886.6 lm



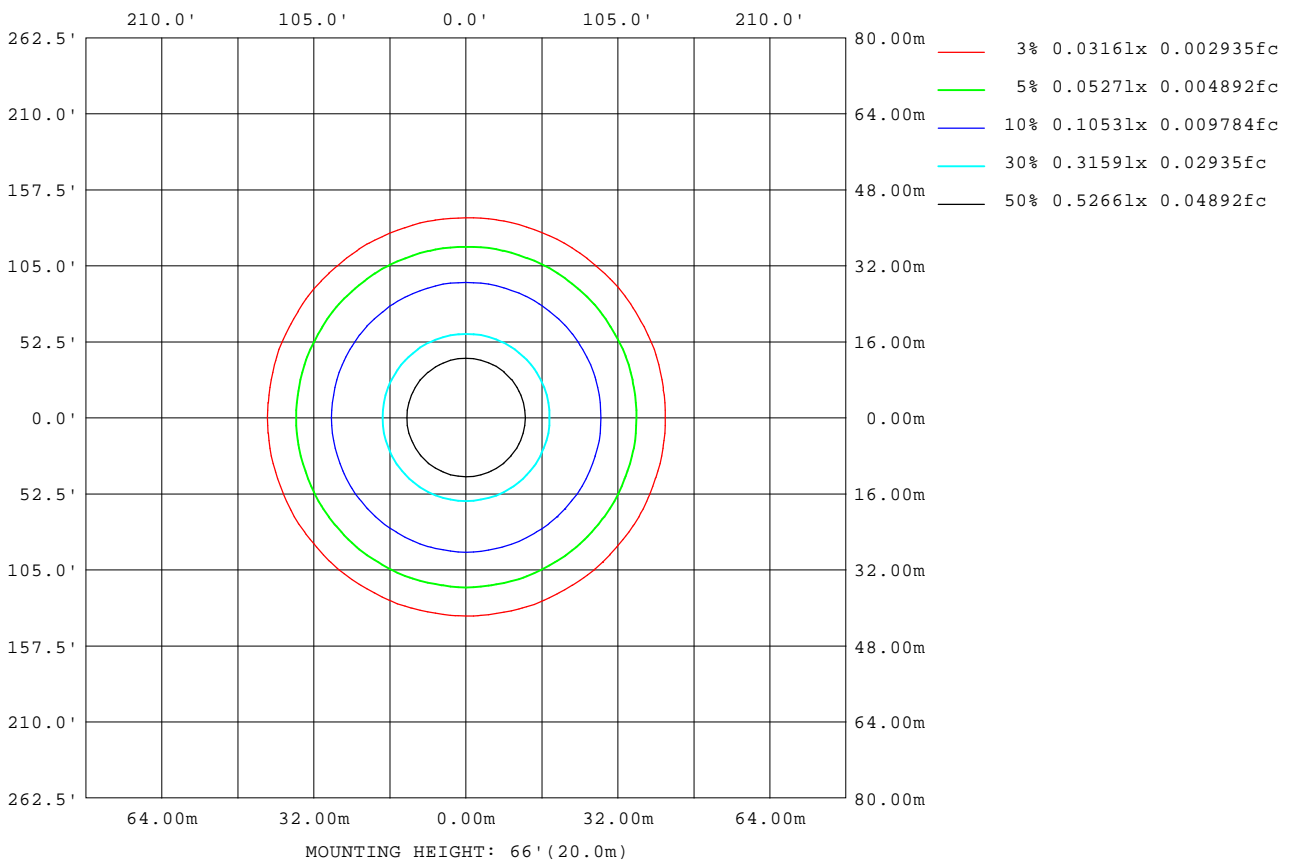
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-18

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=1.0115]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.18V I:0.1331A P:15.921W PF:0.9954 Freq:59.98Hz Lamp Flux:1245.67x1 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: 2022-05-18

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=1.0115]
 Remarks:

LED Avg.L Report

Test:U:120.18V I:0.1331A P:15.921W PF:0.9954 Freq:59.98Hz Lamp Flux:1245.67x1 lm		
NAME: LED DOWN LIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:

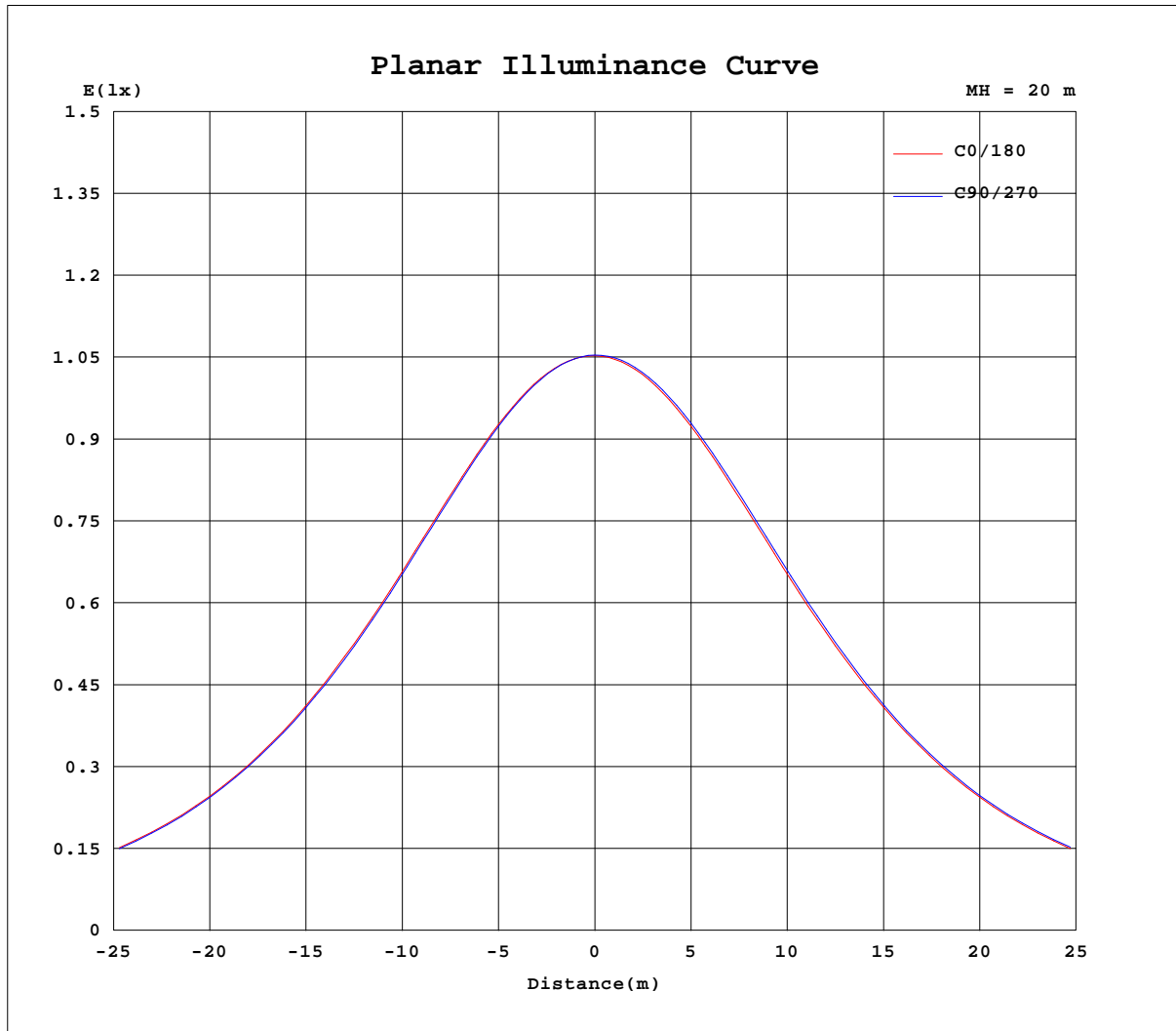
AvgL	cd/m2
L_0~180(65)av	25361
L_0~180(75)av	23960
L_0~180(85)av	25077
L_90~270(65)av	25385
L_90~270(75)av	24112
L_90~270(85)av	25941
L_45(65)av	25384
L_45(75)av	24039
L_45(85)av	25977

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-05-18

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=1.0115]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-05-18

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=1.0115]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.18V I:0.1331A P:15.921W PF:0.9954 Freq:59.98Hz Lamp Flux:1245.67x1 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	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422
5	420	420	420	420	419	419	419	419	419	419	419	419	419	419	419	419	419	419	419
10	414	414	414	414	413	413	413	413	413	413	412	413	412	412	412	412	412	413	413
15	405	404	404	404	403	403	403	403	402	402	402	402	402	402	402	402	402	402	403
20	391	391	390	390	389	390	389	389	388	388	388	388	387	388	387	388	387	388	389
25	374	374	373	373	372	372	372	372	371	371	370	370	370	370	370	370	370	371	371
30	354	354	353	353	352	352	351	351	350	351	350	350	349	350	349	350	350	350	351
35	331	332	330	331	329	330	328	329	327	328	327	327	326	327	326	327	326	328	329
40	306	307	305	306	304	305	303	304	302	303	301	303	301	302	301	302	301	303	304
45	279	280	278	279	277	278	276	277	275	276	274	275	273	275	273	275	274	276	277
50	250	251	249	250	248	249	247	248	246	247	245	246	244	246	244	246	245	247	248
55	220	221	219	220	217	218	216	217	215	217	214	216	214	215	214	216	214	216	217
60	188	189	187	188	186	187	185	186	184	185	183	184	182	184	182	184	183	184	185
65	156	156	155	155	154	154	153	153	152	152	151	152	150	151	150	151	151	152	153
70	123	123	122	123	121	121	120	121	119	120	118	119	118	119	118	119	118	119	120
75	90.6	91.0	89.9	90.2	89.1	89.4	88.3	88.5	87.4	87.6	86.5	86.9	86.1	86.5	85.8	86.5	86.1	87.1	88.0
80	60.0	60.3	59.4	59.8	58.8	59.0	58.1	58.3	57.3	57.5	56.5	56.8	56.1	56.4	55.8	56.4	56.1	56.9	57.6
85	32.3	31.6	30.5	32.0	32.3	32.5	31.7	31.8	31.0	31.2	30.3	30.7	30.2	30.5	30.1	30.0	29.2	29.7	30.6
90	13.9	10.5	9.64	13.4	13.3	13.4	12.7	12.7	12.0	12.2	11.7	12.0	11.9	12.2	12.1	12.2	9.27	8.10	12.6
95	4.34	3.51	1.16	1.51	1.90	0.37	0.34	0.25	0.28	0.29	0.31	0.23	0.44	0.38	0.32	0.91	0.44	1.87	3.28
100	1.07	1.14	0.65	0.64	0.59	0.70	0.51	0.43	0.42	0.45	0.45	0.41	0.69	0.62	0.59	0.52	0.70	0.93	0.95
105	2.99	2.91	2.71	2.75	0.90	0.86	0.85	0.72	0.77	0.81	0.82	0.79	1.09	0.97	1.14	1.39	1.89	2.56	2.64
110	4.36	4.65	3.85	3.75	2.39	1.78	1.54	1.16	1.18	1.09	1.19	1.24	1.78	1.51	2.12	2.41	3.83	3.98	3.84
115	5.38	5.74	5.42	4.57	3.16	2.51	2.18	1.86	1.86	1.85	1.89	1.88	2.32	1.87	3.04	4.07	5.22	5.41	5.63
120	6.28	6.74	6.67	6.15	4.58	3.30	2.73	2.34	2.27	2.19	2.29	2.32	2.93	2.16	4.08	4.83	5.88	6.21	6.38
125	6.47	7.22	7.27	6.75	5.12	3.85	3.33	2.85	2.76	2.62	2.74	2.81	3.63	2.58	4.43	5.07	6.36	6.70	6.44
130	6.71	7.47	7.56	6.89	5.47	3.98	3.48	3.32	3.23	3.23	3.28	3.42	3.92	2.71	4.34	5.33	6.51	6.89	6.55
135	6.72	7.27	6.93	6.50	5.41	3.64	2.88	3.73	3.64	3.61	3.54	3.36	3.65	1.99	4.02	4.74	5.86	6.70	6.53
140	5.82	6.19	6.17	5.81	4.03	1.14	2.88	2.28	3.76	3.95	3.73	2.11	2.80	1.37	3.38	4.43	5.24	5.59	5.55
145	5.59	5.75	5.54	4.19	1.47	1.32	1.51	1.80	3.42	3.95	3.51	1.77	1.93	1.58	1.37	2.69	4.67	5.18	5.23
150	2.32	2.14	1.64	1.67	1.63	1.47	1.51	1.74	2.01	2.19	1.96	1.56	1.95	1.62	1.65	1.84	1.67	1.96	2.12
155	1.83	1.79	1.76	2.34	1.68	1.43	1.61	2.19	2.20	1.42	1.73	2.24	2.55	1.53	2.06	2.46	1.87	1.68	1.73
160	1.93	1.63	1.48	1.72	1.45	1.74	3.20	4.06	2.63	1.50	1.89	3.87	3.72	2.47	1.66	1.80	1.80	1.76	1.49
165	2.81	2.45	2.57	1.88	1.80	2.93	3.59	2.67	2.27	1.75	2.08	2.86	3.84	3.20	1.70	1.67	2.21	2.79	2.98
170	2.75	2.56	2.05	2.00	1.94	2.03	1.84	1.67	1.73	1.51	1.62	1.79	2.02	1.92	1.84	1.66	1.84	2.18	2.49
175	1.60	1.58	1.58	1.65	1.62	1.61	1.63	1.61	1.60	1.57	1.66	1.58	1.85	1.80	1.78	1.65	1.73	1.72	1.61
180	1.60	1.62	1.61	1.65	1.64	1.64	1.65	1.63	1.61	1.62	1.69	1.63	1.90	1.84	1.75	1.67	1.68	1.74	1.63

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-18

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=1.0115]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.18V I:0.1331A P:15.921W PF:0.9954 Freq:59.98Hz Lamp Flux:1245.67x1 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	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422		
5	419	420	419	419	419	420	420	420	420	420	420	420	420	420	420	420	420		
10	413	413	413	414	414	414	414	414	415	415	415	415	415	415	415	415	414		
15	403	403	403	404	404	404	404	405	405	405	405	406	405	406	405	405	405		
20	389	389	389	390	390	391	391	392	392	392	392	392	392	393	392	392	392		
25	371	372	373	373	373	374	374	375	375	375	375	376	375	376	375	376	375		
30	351	352	352	353	353	354	354	355	355	356	356	356	356	356	355	356	355		
35	328	330	329	331	330	332	331	333	332	334	333	334	333	334	333	333	332		
40	303	305	304	306	305	307	306	308	307	309	308	310	308	310	308	309	307		
45	275	278	277	279	278	280	279	281	280	282	281	283	281	283	280	282	280		
50	246	249	248	250	249	251	250	252	251	253	252	254	252	254	252	253	251		
55	216	218	217	220	219	221	220	222	221	223	222	223	222	223	221	223	221		
60	185	187	186	188	187	189	188	190	189	191	190	191	190	191	190	191	189		
65	152	154	154	155	155	157	156	158	157	158	157	159	157	159	157	158	156		
70	120	121	121	123	123	124	124	125	125	126	125	126	125	126	125	125	124		
75	87.7	89.2	89.0	90.4	90.3	91.6	91.4	92.5	92.1	93.0	92.4	93.2	92.3	92.9	91.9	92.4	91.3		
80	57.6	58.8	58.8	60.0	59.9	61.0	60.7	61.6	61.2	62.0	61.4	62.1	61.4	61.9	61.1	61.5	60.6		
85	31.6	32.6	32.5	33.4	33.2	33.9	33.6	34.3	33.9	34.5	34.1	34.6	34.1	34.5	34.0	34.4	33.7		
90	13.4	13.8	13.7	14.1	13.8	14.2	14.1	14.5	14.2	14.6	14.3	14.4	14.2	14.6	14.3	14.7	14.4		
95	2.48	0.71	1.40	0.94	0.28	0.30	0.32	1.01	0.87	1.08	0.33	0.27	0.31	1.79	2.08	0.96	2.96		
100	0.84	0.64	0.52	0.55	0.61	0.52	0.44	0.46	0.41	0.46	0.46	0.52	0.60	0.42	0.46	0.73	0.87		
105	2.55	1.18	2.57	0.98	0.97	0.83	0.81	0.74	0.68	0.72	0.81	0.80	0.95	0.97	1.63	1.22	2.70		
110	4.26	1.67	3.29	2.28	1.80	1.43	1.36	1.16	1.07	1.10	1.24	1.44	1.59	2.03	3.08	1.77	4.58		
115	5.14	4.74	4.28	2.92	2.45	2.23	2.11	1.94	1.94	1.97	2.04	2.13	1.99	2.62	3.56	4.52	5.19		
120	6.17	5.86	5.18	3.79	3.02	2.74	2.56	2.37	2.34	2.36	2.46	2.62	2.34	3.36	4.38	5.22	5.78		
125	6.86	6.55	5.75	4.33	3.48	3.21	2.97	2.76	2.69	2.75	2.86	3.10	2.72	4.01	4.98	6.20	6.76		
130	7.14	7.14	6.24	4.46	3.61	3.57	3.35	3.13	3.06	3.11	3.29	3.58	3.02	3.92	5.11	6.90	7.25		
135	7.03	6.71	5.74	4.62	3.85	4.17	3.86	3.57	3.55	3.59	3.66	3.62	2.53	3.62	4.97	6.35	7.09		
140	5.79	5.77	4.96	4.12	1.61	3.69	4.20	4.12	4.00	3.92	3.87	3.55	1.67	3.71	4.85	5.66	5.89		
145	5.31	5.13	3.74	1.54	2.02	2.07	2.83	3.89	3.77	3.57	2.30	1.62	1.71	1.41	3.58	5.12	5.49		
150	2.05	1.62	1.87	1.90	1.65	1.62	2.28	2.34	2.11	1.99	2.08	1.68	1.50	1.78	1.95	1.64	2.15		
155	1.51	1.49	2.00	2.03	1.42	1.72	2.65	2.46	1.48	2.12	2.88	2.06	1.55	2.11	2.17	1.65	1.50		
160	1.57	1.62	1.62	1.52	2.15	3.26	4.08	2.58	1.48	2.69	4.06	3.62	2.37	1.67	1.76	1.82	1.83		
165	2.87	2.23	2.24	2.08	3.24	3.12	2.90	2.16	2.10	2.57	3.43	3.59	3.29	1.85	2.07	2.03	2.88		
170	2.19	2.15	2.10	1.95	1.82	1.66	1.72	1.77	1.81	2.08	1.98	1.87	1.79	1.78	1.78	2.06	2.62		
175	1.60	1.60	1.73	1.72	1.61	1.61	1.56	1.56	1.62	1.71	1.62	1.73	1.86	1.81	1.66	1.66	1.73		
180	1.61	1.63	1.70	1.77	1.63	1.65	1.61	1.60	1.64	1.76	1.63	1.72	1.90	1.87	1.69	1.68	1.76		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-18

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=1.0115]
 Remarks: