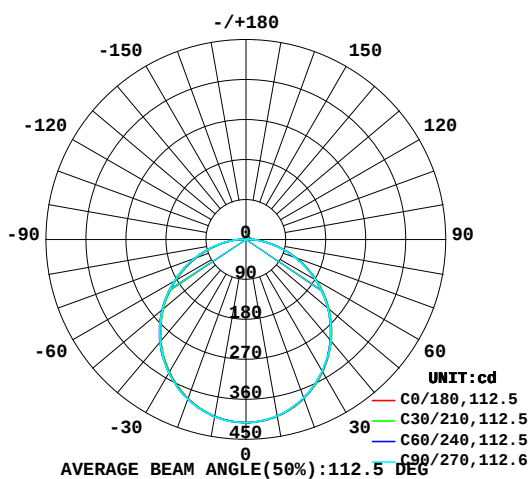


LUMINAIRE PHOTOMETRIC TEST REPORT

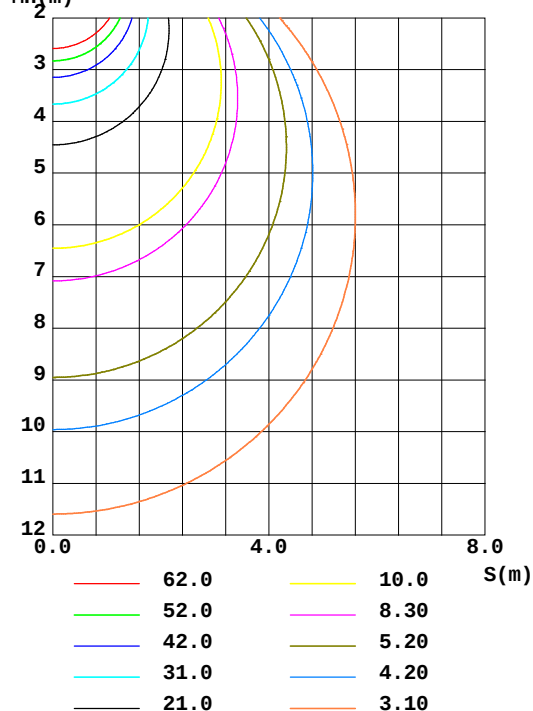
Test:U:120.18V I:0.1307A P:15.639W PF:0.9957 Freq:59.98Hz Lamp Flux:1218.32x1 lm		
NAME: LED DOWN LIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 77.90 lm/W			
MODELASD	LDS-6D15AC(4000K)	I _{max} (cd)	412.2	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)	1218.3	h UP, DN(C0-180)	0.8, 48.7
NOMINAL FLUX(lm)	1218.32	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.8, 49.7
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

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-05-19

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.700m [K=1.0103]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

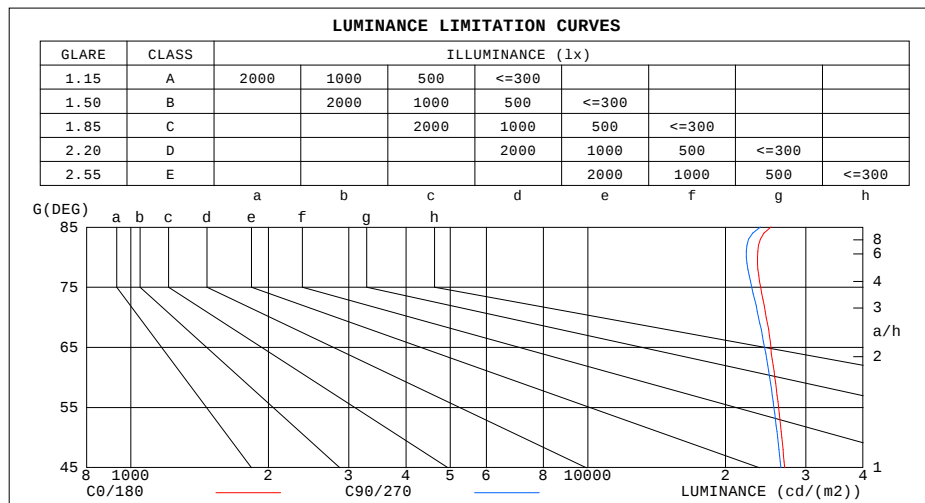
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum, lamp
10	404.1	403.5	403.2	403.2	404.2	404.7	405.2	404.9	0- 10	38.95	38.95	3.2,3.2
20	381.0	379.9	379.4	379.2	381.0	382.1	382.7	382.6	10- 20	111.3	150.2	12.3,12.3
30	344.8	343.3	342.6	342.4	344.6	346.2	347.3	347.1	20- 30	167.9	318.1	26.1,26.1
40	298.1	296.8	296.2	295.5	298.5	299.8	300.8	301.2	30- 40	201.9	520.1	42.7,42.7
50	243.3	241.9	241.1	240.2	243.3	244.9	246.0	246.6	40- 50	209.6	729.7	59.9,59.9
60	182.7	181.2	180.3	179.3	182.3	184.3	185.7	186.1	50- 60	191.0	920.7	75.6,75.6
70	119.6	117.9	116.5	115.9	118.2	120.7	122.6	122.6	60- 70	149.6	1070	87.9,87.9
80	58.18	56.67	55.67	55.21	56.70	58.94	60.55	60.74	70- 80	92.83	1163	95.5,95.5
90	13.54	12.63	11.55	11.61	12.11	13.63	14.37	14.59	80- 90	35.60	1199	98.4,98.4
100	1.352	0.7104	0.5009	0.4956	1.374	0.4444	0.4405	0.6111	90-100	3.945	1203	98.7,98.7
110	4.105	1.631	1.313	1.276	4.077	1.593	1.219	1.270	100-110	1.400	1204	98.8,98.8
120	6.666	3.118	2.348	4.492	6.071	2.994	2.122	3.759	110-120	3.056	1207	99.1,99.1
130	7.522	3.565	3.502	5.586	6.705	3.821	3.495	4.324	120-130	4.101	1211	99.4,99.4
140	6.188	2.326	3.176	1.653	5.463	2.091	4.066	1.660	130-140	3.517	1215	99.7,99.7
150	3.068	1.465	1.802	1.681	1.914	1.514	2.018	1.804	140-150	1.863	1217	99.9,99.9
160	1.640	1.600	2.347	3.008	1.533	2.068	1.465	1.660	150-160	0.8697	1217	99.9,99.9
170	2.372	1.920	1.568	1.834	1.709	1.889	1.792	2.132	160-170	0.6592	1218	100,100
180	1.753	1.656	1.568	1.689	1.748	1.637	1.606	1.689	170-180	0.1609	1218	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:2022-05-19

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.700m [K=1.0103]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.18V I:0.1307A P:15.639W PF:0.9957 Freq:59.98Hz Lamp Flux:1218.32x1 lm		
NAME: LED DOWN LIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:



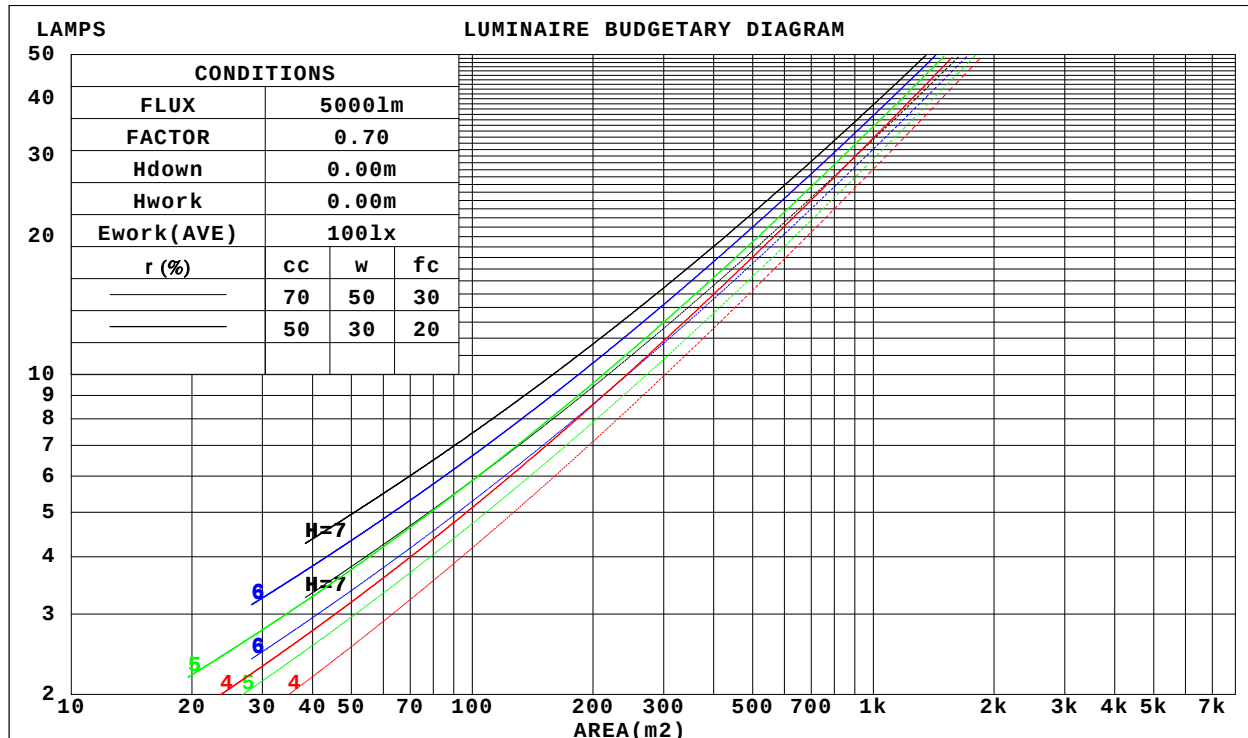
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-05-19

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.700m [K=1.0103]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.18V I:0.1307A P:15.639W PF:0.9957 Freq:59.98Hz Lamp Flux:1218.32x1 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	.55	.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	.25
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: 2022-05-19

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=1.0103]
Remarks:

WEC AND CCEC

Test:U:120.18V I:0.1307A P:15.639W PF:0.9957 Freq:59.98Hz Lamp Flux:1218.32x1 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	.054	.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	.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	.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	.162	.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	.146	.166	.144	.125	.113	.099	.087	.065	.058	.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	.061	.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	.156	.095	.051	.134	.082	.045	.092	.058	.032	.053	.034	.019	.017	.011	.006	
7.0	.149	.088	.046	.128	.076	.040	.088	.054	.028	.051	.032	.017	.017	.010	.006	
8.0	.142	.082	.041	.122	.071	.036	.085	.050	.026	.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:2022-05-19

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=1.0103]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.18V I:0.1307A P:15.639W PF:0.9957 Freq:59.98Hz Lamp Flux:1218.32x1 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	23.3	24.9	23.7	25.3	25.6	23.2	24.8	23.6	25.2	25.5	
	3H	25.3	26.8	25.7	27.1	27.5	25.1	26.6	25.5	26.9	27.3
	4H	26.1	27.5	26.5	27.8	28.3	25.8	27.2	26.3	27.6	28.0
	6H	26.7	28.0	27.2	28.4	28.8	26.5	27.7	26.9	28.1	28.6
	8H	27.0	28.2	27.4	28.6	29.1	26.7	27.9	27.1	28.3	28.8
	12H	27.2	28.4	27.6	28.8	29.2	26.9	28.1	27.3	28.5	28.9
4H	2H	24.0	25.3	24.4	25.7	26.1	23.8	25.2	24.3	25.6	26.0
	3H	26.2	27.3	26.6	27.8	28.2	26.0	27.1	26.4	27.6	28.0
	4H	27.1	28.1	27.5	28.6	29.1	26.9	27.9	27.3	28.4	28.8
	6H	27.9	28.8	28.4	29.3	29.8	27.6	28.6	28.1	29.0	29.5
	8H	28.2	29.1	28.7	29.5	30.0	27.9	28.8	28.4	29.3	29.8
	12H	28.5	29.3	29.0	29.8	30.3	28.2	29.0	28.7	29.5	30.0
8H	4H	27.4	28.3	27.9	28.8	29.3	27.2	28.1	27.7	28.6	29.1
	6H	28.4	29.1	28.9	29.6	30.1	28.1	28.9	28.6	29.4	29.9
	8H	28.8	29.4	29.3	30.0	30.5	28.5	29.2	29.1	29.7	30.2
	12H	29.2	29.7	29.7	30.3	30.9	28.9	29.5	29.4	30.0	30.6
12H	4H	27.5	28.3	28.0	28.8	29.3	27.3	28.1	27.8	28.6	29.1
	6H	28.5	29.1	29.0	29.6	30.2	28.2	28.9	28.8	29.4	30.0
	8H	28.9	29.5	29.5	30.0	30.6	28.7	29.3	29.2	29.8	30.4
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: 2022-05-19

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.700m [K=1.0103]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.18V I:0.1307A P:15.639W PF:0.9957 Freq:59.98Hz Lamp Flux:1218.32x1 lm		
NAME: LED DOWN LIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:

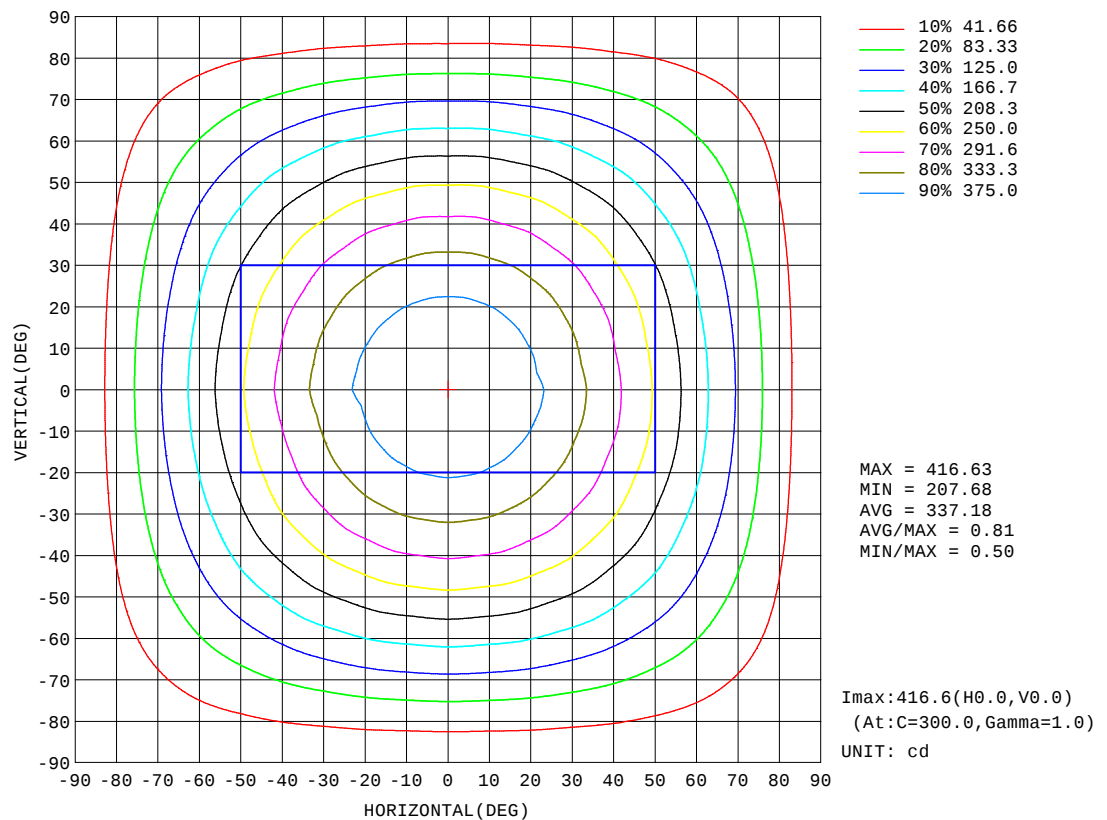
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	45	38	56	44	38	54	44	37	31
0.80	66	55	47	65	54	47	63	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	76	69	85	76	69	82	74	68	60
2.00	94	85	78	92	83	77	88	81	76	67
2.50	98	89	83	95	88	82	91	85	80	71
3.00	101	94	88	99	92	87	94	89	84	75
4.00	105	99	94	103	97	93	98	94	90	80
5.00	108	102	98	105	100	96	100	96	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: 2022-05-19

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=1.0103]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.18V I:0.1307A P:15.639W PF:0.9957 Freq:59.98Hz Lamp Flux:1218.32x1 lm		
NAME: LED DOWN LIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:



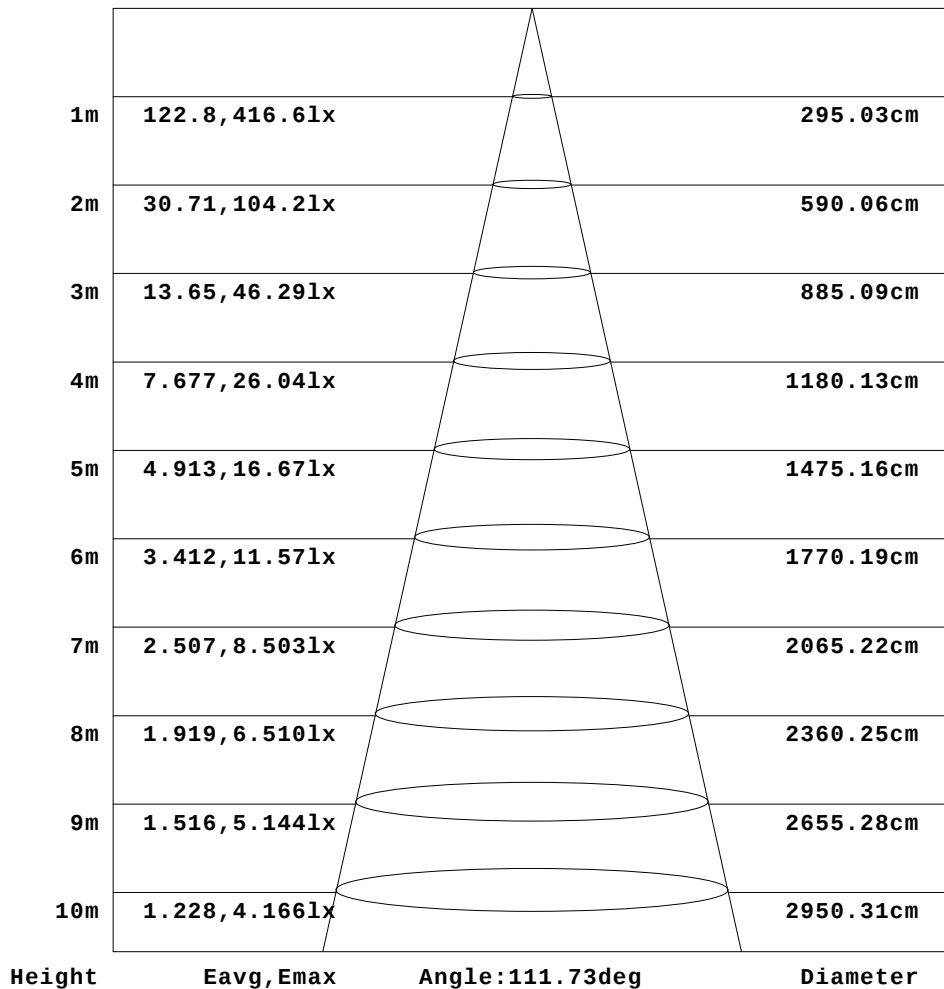
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-05-19

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.700m [K=1.0103]
Remarks:

AAI Figure

Test:U:120.18V I:0.1307A P:15.639W PF:0.9957 Freq:59.98Hz Lamp Flux:1218.32x1 lm		
NAME: LED DOWN LIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:

Flux out:848.2 lm



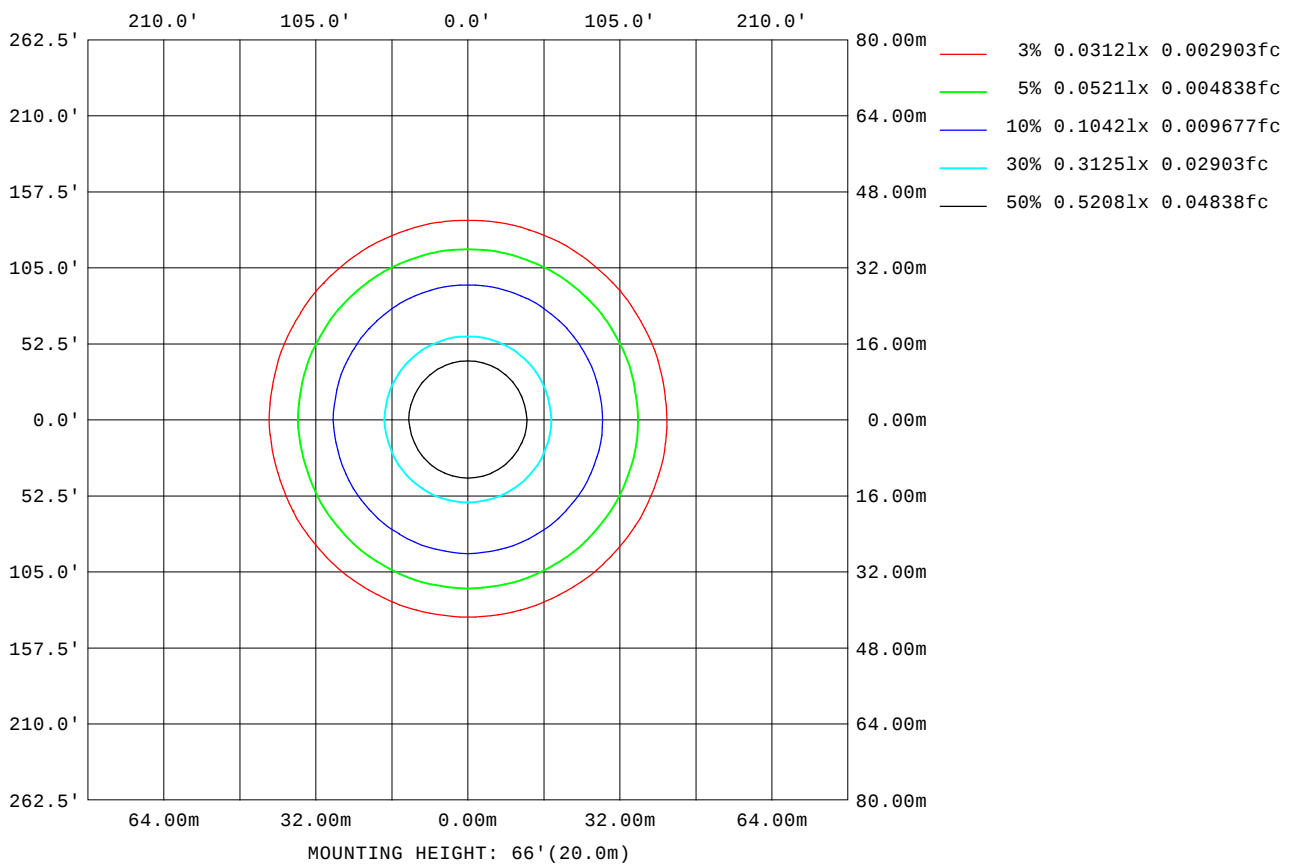
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-05-19

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.700m [K=1.0103]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.18V I:0.1307A P:15.639W PF:0.9957 Freq:59.98Hz Lamp Flux:1218.32x1 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: 2022-05-19

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.700m [K=1.0103]
 Remarks:

LED Avg.L Report

Test:U:120.18V I:0.1307A P:15.639W PF:0.9957 Freq:59.98Hz Lamp Flux:1218.32x1 lm		
NAME: LED DOWN LIGHT	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:

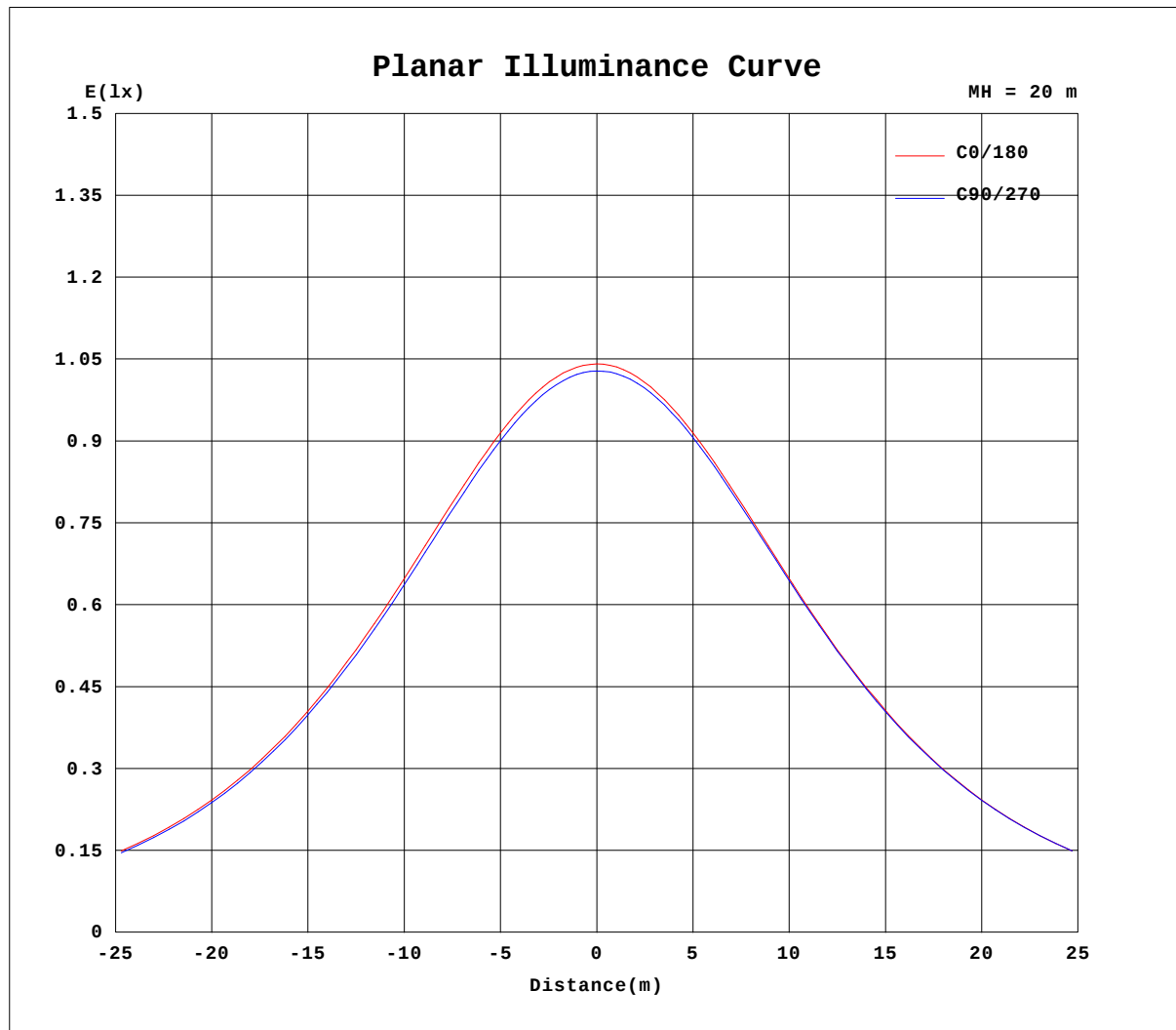
AvgL	cd/m2
L_0~180(65)av	24796
L_0~180(75)av	23417
L_0~180(85)av	24446
L_90~270(65)av	24869
L_90~270(75)av	23607
L_90~270(85)av	25427
L_45(65)av	24849
L_45(75)av	23553
L_45(85)av	25390

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-05-19

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.700m [K=1.0103]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-05-19

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.700m [K=1.0103]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.18V I:0.1307A P:15.639W PF:0.9957 Freq:59.98Hz Lamp Flux:1218.32x1 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	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412
5	410	410	410	410	410	410	410	410	409	410	409	409	410	410	409	410	410	410	410
10	404	404	404	404	404	404	403	403	403	403	403	403	403	403	403	404	403	404	404
15	394	395	394	394	393	394	393	393	393	393	393	393	393	393	393	393	393	394	394
20	381	381	380	381	380	380	380	380	379	379	379	379	379	379	379	380	380	380	381
25	364	365	364	364	363	363	363	363	362	362	362	362	362	362	362	363	363	364	364
30	345	345	344	344	343	343	343	343	342	343	342	342	342	342	343	343	343	344	345
35	323	323	322	323	321	322	320	321	320	321	319	321	319	321	321	320	321	320	323
40	298	299	297	298	296	297	295	297	295	296	295	296	295	296	295	297	295	297	298
45	272	273	271	272	270	271	269	270	268	270	268	269	268	269	268	270	269	271	272
50	243	245	242	244	241	242	241	242	240	241	239	241	239	241	239	241	240	242	243
55	214	215	213	214	212	213	211	212	210	211	210	211	209	211	210	212	210	212	213
60	183	184	182	183	181	182	180	181	179	180	178	180	178	180	179	180	179	181	182
65	151	152	150	151	150	150	149	149	148	148	148	148	147	148	148	149	148	149	150
70	120	120	119	119	118	118	117	117	116	117	116	116	115	116	116	117	116	117	118
75	88.0	88.4	87.2	87.4	86.4	86.6	85.5	85.8	84.9	85.2	84.4	84.9	84.3	84.9	84.4	85.1	84.8	85.7	86.5
80	58.2	58.4	57.3	57.6	56.6	56.8	55.8	56.1	55.3	55.7	54.9	55.4	54.8	55.5	55.0	55.7	55.3	56.1	56.7
85	31.2	30.4	29.1	30.4	30.8	31.0	30.2	30.4	29.6	30.0	29.3	29.7	29.2	29.8	29.4	29.6	28.8	29.5	30.1
90	13.5	10.4	9.15	12.6	12.6	12.6	11.9	12.0	11.4	11.6	11.1	11.4	11.2	11.7	11.5	11.8	9.29	7.75	12.1
95	4.28	3.46	1.32	1.38	1.95	0.43	0.30	0.27	0.28	0.29	0.26	0.28	0.32	0.29	0.29	0.81	0.38	1.73	3.03
100	1.35	1.14	0.83	0.55	0.88	0.54	0.37	0.50	0.55	0.50	0.47	0.48	0.46	0.47	0.52	0.71	0.71	0.81	1.37
105	3.45	3.17	1.87	1.20	1.10	0.94	0.75	0.81	0.74	0.74	0.71	1.03	1.30	1.07	0.87	1.12	2.10	2.55	3.14
110	4.10	3.87	3.45	2.21	1.80	1.46	1.15	1.21	1.24	1.31	1.24	1.29	1.30	1.28	1.28	2.45	4.02	4.05	4.08
115	5.67	5.26	4.88	3.69	2.61	1.97	1.71	1.70	1.74	1.70	1.54	1.56	1.62	2.47	3.67	4.88	5.13	5.15	5.05
120	6.67	6.46	5.69	4.58	3.90	2.34	2.08	2.16	2.27	2.35	2.33	2.58	3.37	3.96	5.03	5.71	6.07	6.04	6.07
125	7.06	6.64	6.04	5.01	4.31	2.75	2.96	2.63	2.74	2.96	3.11	3.53	4.25	4.92	5.84	6.16	6.35	6.53	6.47
130	7.52	6.61	5.96	4.97	4.25	2.88	3.50	3.45	3.37	3.50	3.54	3.84	4.59	5.42	5.75	6.22	6.60	6.85	6.71
135	7.39	6.54	5.82	4.61	3.83	1.87	2.63	3.53	3.42	3.74	3.62	3.76	4.69	2.07	5.45	5.51	5.87	6.50	6.58
140	6.19	5.56	4.67	4.12	3.26	1.39	1.41	3.03	2.82	3.18	3.37	3.49	2.76	1.25	2.05	5.39	5.60	5.67	5.46
145	5.51	5.10	4.53	3.69	1.72	1.23	1.85	2.14	1.65	1.85	1.71	2.26	1.62	1.50	1.20	1.66	4.27	5.27	5.13
150	3.07	2.73	1.86	1.29	1.38	1.55	1.38	1.52	1.78	1.80	1.35	1.81	1.75	1.33	2.03	2.10	1.65	1.79	1.91
155	2.03	1.69	2.07	2.29	1.99	1.41	1.37	1.66	1.62	1.35	1.73	2.61	2.41	1.58	1.64	1.74	1.59	1.79	1.46
160	1.64	2.41	1.72	2.00	1.75	1.45	2.78	3.95	3.47	2.35	1.34	1.77	3.25	3.64	2.37	1.64	1.60	1.58	1.53
165	2.41	2.68	2.60	2.55	1.53	1.73	2.00	2.63	2.15	1.81	1.40	1.94	3.50	3.63	3.62	2.39	1.96	1.96	3.32
170	2.37	2.72	2.64	2.10	1.99	1.85	1.81	1.84	1.79	1.57	1.42	1.55	1.78	1.87	1.80	1.77	1.74	1.65	1.71
175	1.74	1.72	1.63	1.57	1.60	1.62	1.58	1.61	1.54	1.55	1.51	1.49	1.65	1.63	1.58	1.65	1.63	1.67	1.72
180	1.75	1.76	1.63	1.60	1.65	1.66	1.63	1.65	1.58	1.57	1.54	1.56	1.70	1.71	1.67	1.69	1.71	1.71	1.75

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-05-19

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.700m [K=1.0103]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.18V I:0.1307A P:15.639W PF:0.9957 Freq:59.98Hz Lamp Flux:1218.32x1 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	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412		
5	410	410	410	410	410	411	410	411	411	411	410	411	410	410	410	410	410		
10	404	404	404	405	405	405	405	405	405	405	405	405	405	405	405	405	404		
15	394	395	395	395	395	396	396	396	396	396	396	396	396	396	395	395	395		
20	381	381	381	382	382	383	383	383	383	383	383	383	383	383	382	382	382		
25	364	365	365	366	365	366	366	367	367	367	366	367	366	367	366	366	365		
30	344	345	345	346	346	347	347	348	347	348	347	348	347	347	347	347	346		
35	322	324	323	325	324	326	325	326	325	326	325	326	325	326	326	324	325	324	
40	297	299	298	300	299	302	300	302	301	303	301	303	301	302	300	301	299		
45	270	273	272	274	273	275	274	276	274	276	274	276	274	275	273	275	272		
50	242	244	243	246	244	247	246	248	246	248	246	248	246	247	245	247	244		
55	212	215	214	216	215	217	216	218	216	218	217	218	216	218	216	217	215		
60	181	183	183	185	184	186	185	187	186	187	186	187	185	187	185	186	184		
65	150	152	151	153	152	154	153	155	154	156	154	156	154	155	153	154	152		
70	118	119	119	121	121	122	122	123	123	123	123	123	122	123	122	122	121		
75	86.2	87.7	87.5	89.1	88.9	90.2	90.0	91.2	90.7	91.7	91.0	91.7	90.8	91.1	89.9	90.2	88.9		
80	56.5	57.8	57.7	59.0	58.9	60.1	59.9	60.9	60.5	61.4	60.8	61.4	60.6	60.9	59.9	60.1	58.9		
85	30.9	31.9	31.8	32.7	32.6	33.4	33.3	34.1	33.9	34.5	34.1	34.6	34.0	34.3	33.6	33.8	33.0		
90	12.9	13.4	13.3	13.7	13.6	14.0	14.0	14.6	14.4	14.8	14.3	14.7	14.4	14.8	14.4	14.7	14.3		
95	2.13	0.56	1.32	0.68	0.30	0.28	0.33	1.11	0.97	1.17	0.34	0.28	0.30	2.21	2.11	1.17	3.21		
100	0.88	0.73	0.92	0.42	0.47	0.46	0.46	0.45	0.44	0.49	0.47	0.50	0.48	0.74	0.60	0.63	0.76		
105	2.36	1.33	1.09	1.09	1.07	0.92	0.81	0.69	0.59	0.64	0.85	0.97	1.05	0.94	0.96	1.88	1.59		
110	3.05	3.01	1.80	1.68	1.51	1.30	1.25	1.22	1.22	1.24	1.25	1.26	1.31	1.23	3.24	3.77	2.53		
115	4.67	3.94	3.48	2.14	2.00	1.80	1.71	1.56	1.50	1.49	1.50	1.57	1.72	4.07	5.36	5.26	5.59		
120	6.06	5.12	4.28	3.58	2.40	2.24	2.19	2.12	2.12	2.24	2.71	3.67	2.28	5.24	5.83	6.22	6.59		
125	6.31	5.81	4.82	4.13	3.27	2.95	2.74	2.75	2.92	3.32	3.84	4.53	2.69	5.76	6.26	6.88	7.52		
130	6.38	5.96	4.46	3.87	3.77	3.70	3.44	3.37	3.49	3.75	4.21	4.87	2.94	5.71	6.52	7.15	7.92		
135	6.07	5.35	4.14	3.75	3.01	3.36	3.73	3.65	3.79	4.04	4.48	4.78	2.72	5.55	5.68	6.98	7.54		
140	5.12	4.75	3.93	2.21	1.97	3.40	3.76	3.89	4.07	4.25	4.58	4.74	1.50	1.82	5.39	5.62	6.16		
145	4.77	3.86	1.74	1.22	1.45	2.34	2.89	3.37	3.40	3.47	2.22	3.94	1.42	1.58	4.48	5.40	5.57		
150	1.51	1.59	1.66	1.67	1.36	1.47	1.76	1.82	2.02	2.04	1.69	1.57	1.62	1.99	1.48	1.84	2.48		
155	1.43	2.21	2.24	1.76	1.37	2.26	2.27	1.42	1.61	2.31	2.25	1.46	1.69	1.94	1.74	1.79	2.26		
160	1.55	1.52	1.51	1.57	2.57	3.86	3.91	2.71	1.46	2.28	2.01	2.09	1.86	1.46	1.79	1.83	1.81		
165	3.32	3.44	2.34	2.08	1.85	1.97	1.84	1.43	1.91	2.60	3.96	4.02	3.41	2.73	1.72	1.66	1.92		
170	1.83	1.95	1.81	1.94	1.84	1.73	1.57	1.55	1.79	2.00	2.44	2.77	2.33	1.94	1.90	1.98	2.15		
175	1.67	1.66	1.55	1.63	1.59	1.51	1.54	1.48	1.57	1.56	1.52	1.62	1.67	1.65	1.62	1.59	1.77		
180	1.69	1.70	1.56	1.65	1.62	1.57	1.57	1.53	1.61	1.59	1.54	1.61	1.70	1.68	1.66	1.62	1.76		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-05-19

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.700m [K=1.0103]
Remarks: