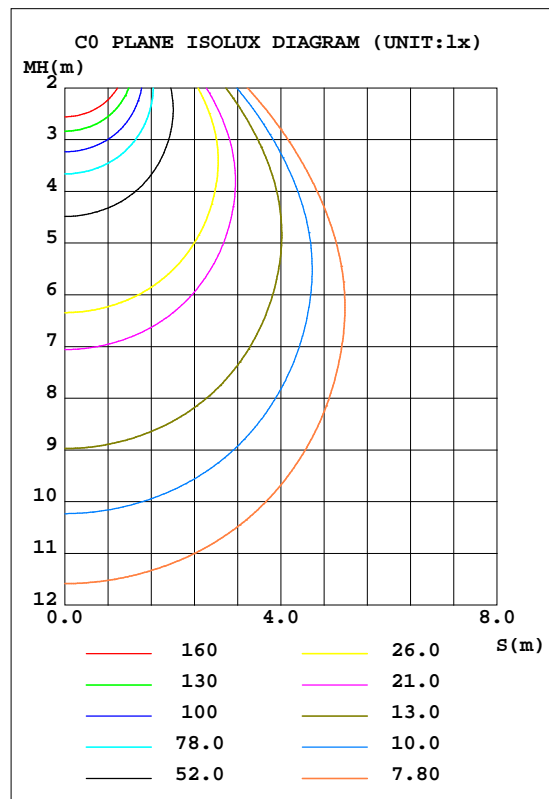
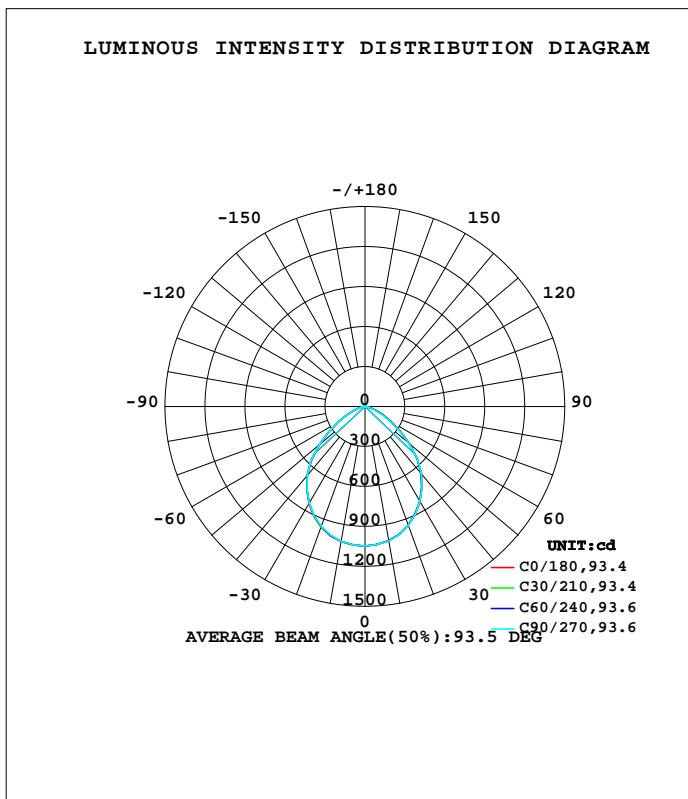


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.75V I:0.1717A P:20.296W PF:0.9873 Freq:59.98Hz Lamp Flux:2219.19x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 4000K 22W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 109.34 lm/W			
MODEL	ASD-CDL5-6AD22AC	I _{max} (cd)	1047	S/MH(C0/180)	1.20
NOMINAL POWER(W)	22	LOR(%)	100.0	S/MH(C90/270)	1.19
RATED VOLTAGE(V)	100-277	TOTAL FLUX(lm)	2219.2	h UP, DN(C0-180)	0.5, 49.2
NOMINAL FLUX(lm)	2219.19	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.4, 49.9
LAMPS INSIDE	1	h up(%)	0.9	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	h down(%)	99.1	CIBSE SHR MAX	1.30



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: L
 Test Date: 2020-03-20

g Range: 0 - 180DEG
 g Interval: 5.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.1063]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

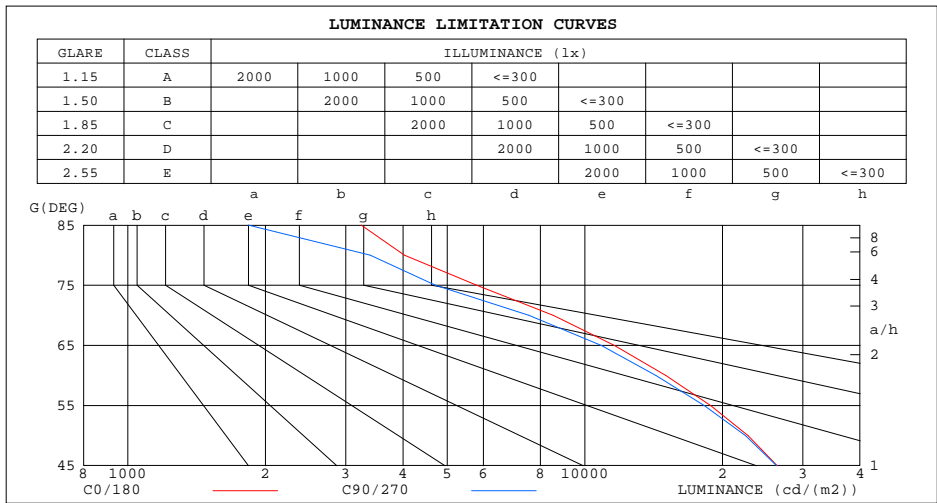
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	1024	1023	1024	1029	1030	1029	1027	1026	0- 10	98.96	98.96	4.46,4.46
20	952.0	949.0	951.0	961.3	965.1	961.3	959.2	956.3	10- 20	281.3	380.3	17.1,17.1
30	825.6	822.0	824.4	838.4	841.2	837.0	835.6	830.5	20- 30	414.0	794.3	35.8,35.8
40	662.2	657.8	659.9	675.4	678.2	674.0	674.6	668.2	30- 40	471.0	1265	57,57
50	439.4	437.9	433.4	442.7	445.3	449.6	453.4	443.5	40- 50	432.2	1697	76.5,76.5
60	225.5	223.7	214.5	218.1	225.1	227.7	229.8	222.6	50- 60	294.0	1991	89.7,89.7
70	87.48	85.57	77.35	83.33	87.30	88.68	88.07	86.20	60- 70	147.8	2139	96.4,96.4
80	20.99	19.03	17.65	19.76	20.87	20.30	19.82	20.64	70- 80	50.37	2190	98.7,98.7
90	0.5851	0.5680	0.5457	0.5573	0.4744	0.4629	0.4468	0.4522	80- 90	9.482	2199	99.1,99.1
100	1.151	1.163	1.156	1.148	1.009	0.9693	0.9541	0.9589	90-100	0.8335	2200	99.1,99.1
110	2.011	2.018	2.010	1.986	1.792	1.768	1.759	1.797	100-110	1.548	2201	99.2,99.2
120	3.069	3.043	3.068	3.006	2.752	2.710	2.712	2.756	110-120	2.359	2204	99.3,99.3
130	4.122	4.079	4.126	4.032	3.760	3.708	3.732	3.771	120-130	3.047	2207	99.4,99.4
140	5.081	5.038	5.118	4.985	4.686	4.628	4.685	4.719	130-140	3.396	2210	99.6,99.6
150	5.974	5.980	5.983	5.890	5.590	5.571	5.577	5.651	140-150	3.330	2214	99.7,99.7
160	6.867	6.845	6.892	6.755	6.549	6.502	6.575	6.572	150-160	2.874	2216	99.9,99.9
170	7.534	7.561	7.570	7.510	7.359	7.351	7.390	7.432	160-170	2.002	2218	100,100
180	7.882	7.919	7.852	7.929	7.888	7.919	7.858	7.929	170-180	0.7310	2219	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:L
 Test Date:2020-03-20

g Range: 0 - 180DEG
 g Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.000m [K=1.1063]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.75V I:0.1717A P:20.296W PF:0.9873 Freq:59.98Hz Lamp Flux:2219.19x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 4000K 22W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3241	1833
80	4029	3389
75	5804	4713
70	8526	7541
65	11601	10859
60	15032	14304
55	18844	18266
50	22785	22484
45	26360	26264

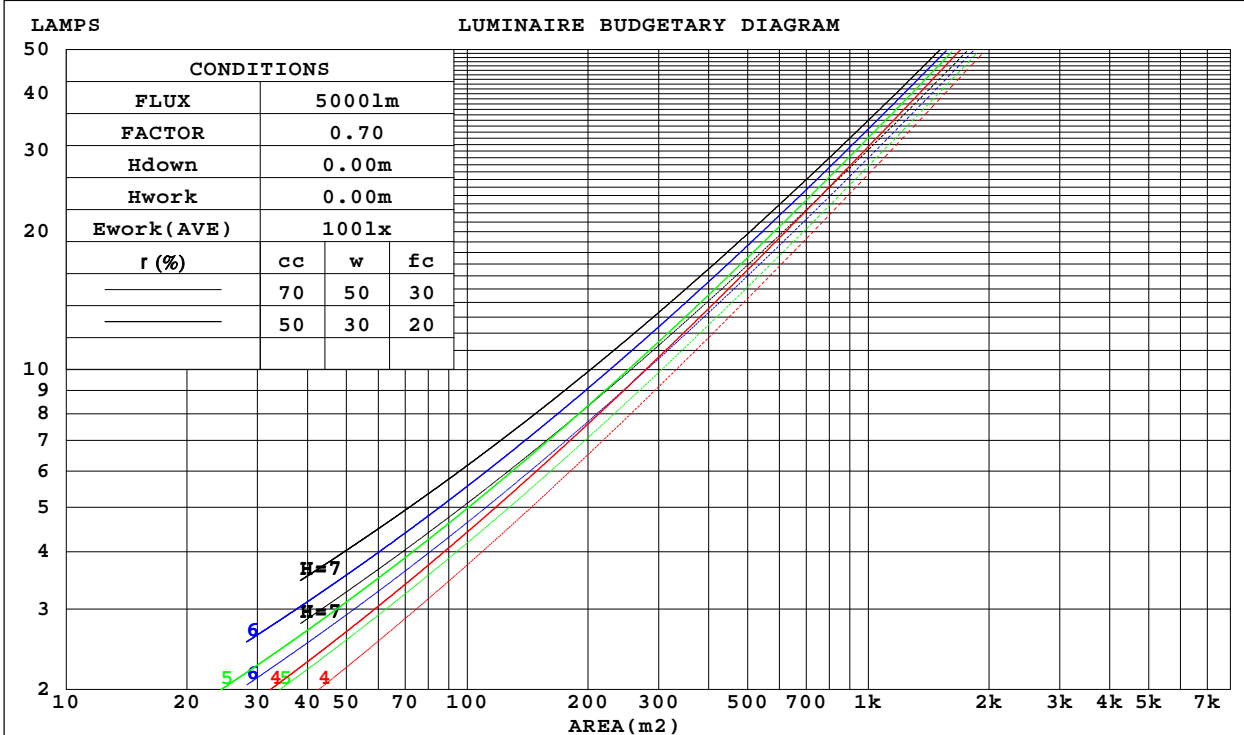
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:L
 Test Date:2020-03-20

g Range: 0 - 180DEG
 g Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.000m [K=1.1063]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.75V I:0.1717A P:20.296W PF:0.9873 Freq:59.98Hz Lamp Flux:2219.19x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 4000K 22W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	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	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.07	1.03	1.00	1.04	1.01	.98	1.00	.98	.95	.96	.94	.92	.92	.91	.89	.87
2.0	.95	.90	.85	.93	.88	.84	.90	.85	.82	.87	.83	.80	.83	.80	.78	.76
3.0	.85	.78	.73	.84	.77	.72	.81	.75	.71	.78	.73	.69	.75	.71	.68	.66
4.0	.77	.69	.63	.75	.68	.63	.73	.67	.62	.70	.65	.61	.68	.64	.60	.58
5.0	.69	.61	.55	.68	.61	.55	.66	.59	.54	.64	.58	.54	.62	.57	.53	.51
6.0	.63	.55	.49	.62	.54	.49	.60	.53	.48	.58	.52	.48	.57	.52	.47	.45
7.0	.57	.49	.44	.57	.49	.44	.55	.48	.43	.54	.47	.43	.52	.47	.43	.41
8.0	.53	.45	.39	.52	.45	.39	.51	.44	.39	.49	.43	.39	.48	.43	.39	.37
9.0	.49	.41	.36	.48	.41	.36	.47	.40	.35	.46	.40	.35	.45	.39	.35	.33
10.0	.45	.38	.33	.44	.37	.33	.43	.37	.32	.42	.36	.32	.42	.36	.32	.30



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:L
 Test Date:2020-03-20

g Range: 0 - 180DEG
 g Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.000m [K=1.1063]
 Remarks:

WEC AND CCEC

Test:U:119.75V I:0.1717A P:20.296W PF:0.9873 Freq:59.98Hz Lamp Flux:2219.19x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 4000K 22W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	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	.250	.142	.045	.243	.139	.044	.230	.132	.042	.217	.125	.040	.206	.119	.038	
2.0	.243	.133	.041	.237	.130	.040	.225	.125	.039	.214	.120	.038	.204	.116	.036	
3.0	.231	.123	.037	.225	.121	.036	.215	.116	.035	.205	.113	.035	.197	.109	.034	
4.0	.217	.113	.033	.213	.111	.033	.203	.108	.032	.195	.105	.032	.187	.102	.031	
5.0	.204	.104	.030	.200	.103	.030	.192	.100	.029	.184	.097	.029	.177	.095	.028	
6.0	.192	.096	.028	.188	.095	.027	.181	.093	.027	.174	.091	.027	.168	.088	.026	
7.0	.181	.089	.025	.177	.088	.025	.171	.086	.025	.165	.085	.025	.159	.083	.024	
8.0	.171	.083	.023	.168	.082	.023	.162	.081	.023	.156	.079	.023	.151	.078	.023	
9.0	.161	.078	.022	.158	.077	.022	.153	.076	.021	.148	.074	.021	.143	.073	.021	
10.0	.153	.073	.020	.150	.072	.020	.145	.071	.020	.141	.070	.020	.137	.069	.020	

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	.197	.197	.197	.169	.169	.169	.115	.115	.115	.066	.066	.066	.021	.021	.021	
1.0	.183	.164	.146	.157	.140	.126	.107	.097	.087	.062	.056	.051	.020	.018	.016	
2.0	.173	.139	.111	.148	.120	.096	.101	.083	.067	.058	.048	.039	.019	.016	.013	
3.0	.164	.121	.087	.141	.104	.075	.097	.073	.053	.056	.042	.031	.018	.014	.010	
4.0	.156	.107	.070	.134	.093	.061	.092	.065	.043	.053	.038	.025	.017	.012	.008	
5.0	.149	.097	.058	.128	.084	.051	.088	.058	.036	.051	.034	.021	.016	.011	.007	
6.0	.142	.088	.049	.122	.076	.043	.084	.053	.030	.049	.031	.018	.016	.010	.006	
7.0	.136	.081	.043	.117	.070	.037	.081	.049	.026	.047	.029	.016	.015	.010	.005	
8.0	.130	.075	.038	.112	.065	.033	.077	.046	.023	.045	.027	.014	.015	.009	.005	
9.0	.124	.070	.034	.107	.061	.030	.074	.043	.021	.043	.025	.013	.014	.008	.004	
10.0	.119	.066	.031	.103	.057	.027	.071	.040	.019	.042	.024	.011	.013	.008	.004	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:L
 Test Date:2020-03-20

g Range: 0 - 180DEG
 g Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.000m [K=1.1063]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.75V I:0.1717A P:20.296W PF:0.9873 Freq:59.98Hz Lamp Flux:2219.19x1 lm										
NAME: LED DOWN LIGHT					TYPE: DOWN LIGHT			WEIGHT:		
SPEC.: 4000K 22W					DIM.:			SERIAL No.:		
MFR.: ASD LIGHTING CORP					SUR.: 0.175*0.175			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	21.1	22.6	21.5	22.9	23.3	20.9	22.3	21.3	22.7	23.0
3H	21.9	23.2	22.3	23.5	23.9	21.5	22.8	21.9	23.1	23.5
4H	22.0	23.2	22.4	23.6	24.0	21.6	22.8	22.0	23.2	23.6
6H	22.1	23.2	22.5	23.5	24.0	21.6	22.7	22.1	23.1	23.5
8H	22.0	23.1	22.5	23.5	23.9	21.6	22.7	22.1	23.1	23.5
12H	22.0	23.0	22.5	23.4	23.9	21.6	22.6	22.0	23.0	23.4
4H 2H	21.4	22.6	21.8	23.0	23.4	21.1	22.3	21.6	22.7	23.1
3H	22.3	23.2	22.7	23.7	24.1	21.9	22.9	22.3	23.3	23.7
4H	22.4	23.3	22.9	23.8	24.2	22.0	22.9	22.5	23.3	23.8
6H	22.5	23.3	23.0	23.7	24.2	22.1	22.9	22.6	23.3	23.8
8H	22.5	23.2	23.0	23.7	24.2	22.1	22.8	22.6	23.3	23.7
12H	22.5	23.2	23.0	23.7	24.1	22.1	22.7	22.6	23.2	23.7
8H 4H	22.4	23.2	22.9	23.6	24.1	22.1	22.8	22.5	23.2	23.7
6H	22.5	23.1	23.1	23.6	24.1	22.1	22.7	22.6	23.2	23.7
8H	22.6	23.1	23.1	23.6	24.1	22.1	22.6	22.7	23.2	23.7
12H	22.6	23.0	23.1	23.5	24.1	22.1	22.6	22.6	23.1	23.7
12H 4H	22.4	23.0	22.9	23.5	24.0	22.0	22.7	22.5	23.2	23.6
6H	22.5	23.0	23.1	23.5	24.1	22.1	22.6	22.6	23.1	23.7
8H	22.5	23.0	23.1	23.5	24.1	22.1	22.6	22.6	23.1	23.7
CIE190: 2010										

CIE190: 2010
Area: 0.03 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:L
Test Date:2020-03-20

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.000m [K=1.1063]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.75V I:0.1717A P:20.296W PF:0.9873 Freq:59.98Hz Lamp Flux:2219.19x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 4000K 22W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:

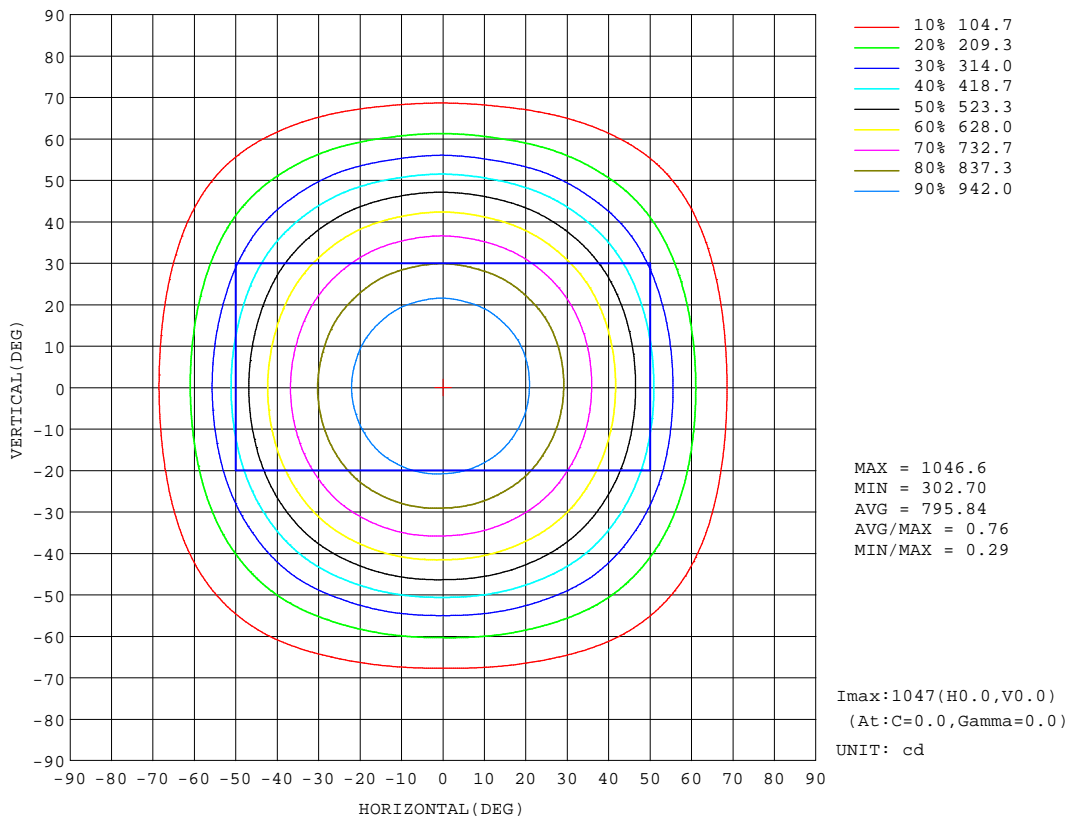
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	64	54	48	64	54	48	62	53	47	42
0.80	75	64	58	74	64	58	72	63	57	51
1.00	83	73	67	82	73	67	80	74	66	60
1.25	90	81	75	88	80	74	86	79	74	67
1.50	94	86	80	92	85	80	90	83	79	72
2.00	100	93	88	98	92	87	95	90	85	78
2.50	103	97	92	101	95	91	97	93	89	81
3.00	106	100	96	104	99	95	100	96	92	84
4.00	109	104	101	107	103	99	102	99	96	88
5.00	111	107	104	108	105	102	104	101	99	90
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: L
 Test Date: 2020-03-20

g Range: 0 - 180DEG
 g Interval: 5.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.1063]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:119.75V I:0.1717A P:20.296W PF:0.9873 Freq:59.98Hz Lamp Flux:2219.19x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 4000K 22W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:



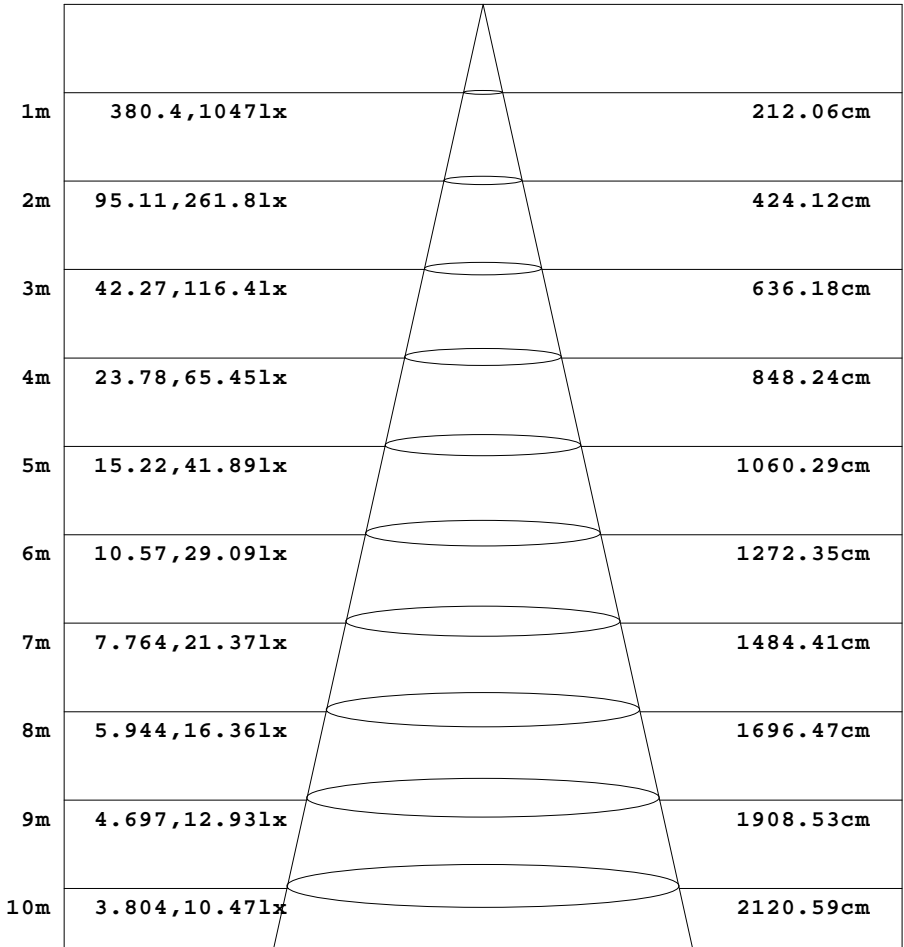
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:L
 Test Date:2020-03-20

g Range: 0 - 180DEG
 g Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.000m [K=1.1063]
 Remarks:

AAI Figure

Test:U:119.75V I:0.1717A P:20.296W PF:0.9873 Freq:59.98Hz Lamp Flux:2219.19x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 4000K 22W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:

Flux out:1697 lm



Height Eavg, Emax Angle:93.35deg Diameter

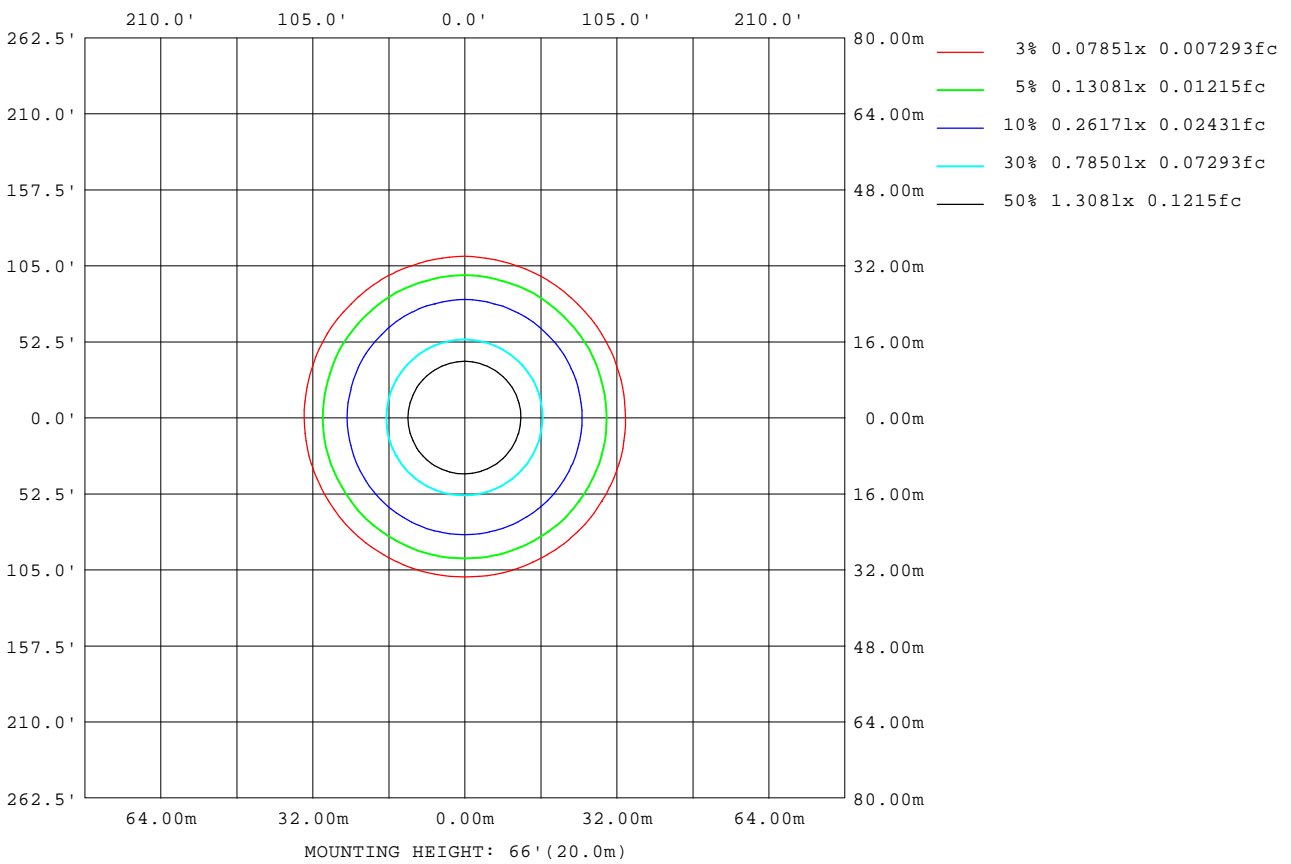
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:L
 Test Date:2020-03-20

g Range: 0 - 180DEG
 g Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.000m [K=1.1063]
 Remarks:

ISOLUX DIAGRAM

Test:U:119.75V I:0.1717A P:20.296W PF:0.9873 Freq:59.98Hz Lamp Flux:2219.19x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 4000K 22W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: L
 Test Date: 2020-03-20

g Range: 0 - 180DEG
 g Interval: 5.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.1063]
 Remarks:

LED Avg.L Report

Test:U:119.75V I:0.1717A P:20.296W PF:0.9873 Freq:59.98Hz Lamp Flux:2219.19x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 4000K 22W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:

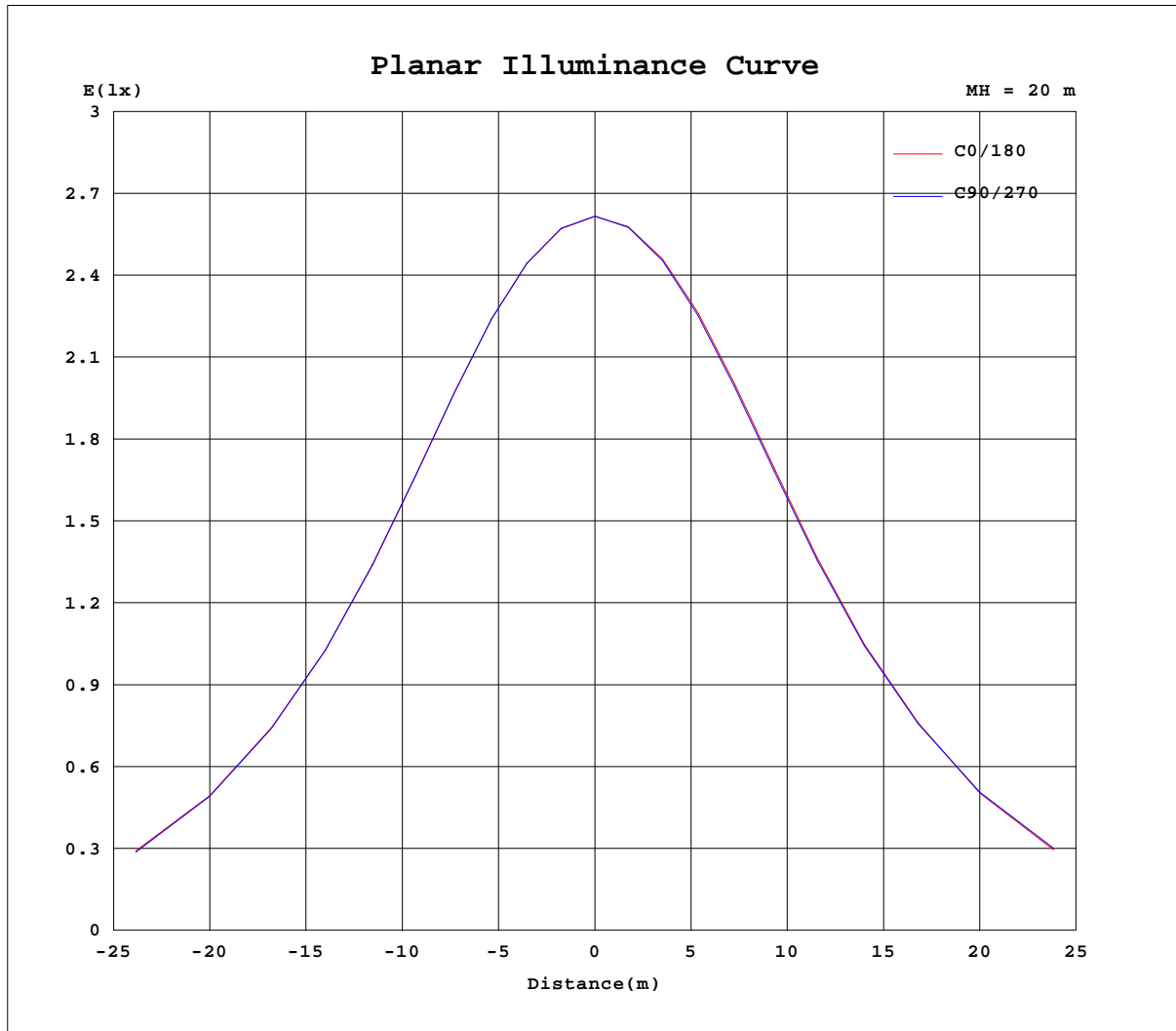
AvgL	cd/m2
L_0~180(65)av	11567
L_0~180(75)av	5816
L_0~180(85)av	3259
L_90~270(65)av	11291
L_90~270(75)av	5123
L_90~270(85)av	2277
L_45(65)av	11416
L_45(75)av	5618
L_45(85)av	2749

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:L
 Test Date:2020-03-20

g Range: 0 - 180DEG
 g Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.000m [K=1.1063]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: L
 Test Date: 2020-03-20

g Range: 0 - 180DEG
 g Interval: 5.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.1063]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.75V I:0.1717A P:20.296W PF:0.9873 Freq:59.98Hz Lamp Flux:2219.19x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 4000K 22W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	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	1047	1047	1047	1047	1047	1047	1047	1047	1047	1047	1047	1047	1047	1047	1047	1047	1047	1047	1047
5	1041	1041	1040	1041	1040	1041	1041	1042	1042	1043	1043	1043	1044	1044	1043	1043	1042	1043	1042
10	1024	1024	1023	1023	1023	1024	1024	1026	1027	1029	1030	1030	1030	1030	1030	1029	1028	1028	1027
15	995	995	993	993	993	995	994	998	1000	1002	1003	1004	1005	1004	1004	1002	1002	1001	1000
20	952	951	949	949	949	950	951	955	958	961	963	964	965	964	963	961	961	959	959
25	894	893	890	891	890	893	893	898	902	906	907	908	910	908	908	905	905	903	903
30	826	824	821	822	821	824	824	830	834	838	840	841	841	839	840	837	837	835	836
35	748	746	743	744	743	745	746	752	756	761	762	763	764	762	762	760	760	759	759
40	662	660	656	658	657	659	660	667	670	675	676	677	678	675	676	674	675	673	675
45	559	558	555	557	556	558	557	563	565	569	567	569	570	568	572	571	575	573	574
50	439	439	436	438	435	436	433	438	439	443	442	444	445	445	449	450	453	452	453
55	324	327	322	325	319	318	314	317	317	323	320	326	329	327	333	330	336	331	336
60	225	227	224	224	219	218	214	216	215	218	218	222	225	226	229	228	230	228	230
65	147	148	146	145	142	140	138	138	139	141	141	144	146	147	149	148	149	148	149
70	87.5	87.8	86.1	85.6	81.8	79.7	77.3	78.8	79.9	83.3	84.1	85.8	87.3	87.8	89.4	88.7	89.1	87.4	88.1
75	45.1	44.8	43.6	42.6	39.4	37.8	36.6	37.8	39.2	42.1	43.5	44.6	45.2	45.2	46.4	45.5	44.9	42.8	43.0
80	21.0	20.5	19.6	19.0	18.4	18.1	17.7	18.3	18.8	19.8	20.3	20.8	20.9	20.5	20.7	20.3	19.9	19.6	19.8
85	8.47	8.09	7.04	6.46	5.78	5.35	4.79	5.27	5.70	6.82	7.44	8.18	8.57	8.50	8.30	7.73	7.66	7.13	7.11
90	0.59	0.57	0.58	0.57	0.55	0.57	0.55	0.56	0.54	0.56	0.55	0.56	0.47	0.49	0.47	0.46	0.46	0.44	0.45
95	0.80	0.83	0.80	0.84	0.81	0.83	0.81	0.82	0.80	0.82	0.80	0.82	0.70	0.67	0.69	0.66	0.67	0.66	0.66
100	1.15	1.16	1.16	1.16	1.17	1.17	1.16	1.15	1.15	1.15	1.14	1.15	1.01	0.97	0.99	0.97	0.98	0.96	0.95
105	1.56	1.57	1.57	1.57	1.57	1.59	1.56	1.57	1.55	1.55	1.54	1.55	1.38	1.35	1.36	1.34	1.34	1.32	1.33
110	2.01	2.00	2.02	2.02	2.02	2.02	2.01	2.01	1.99	1.99	1.98	1.98	1.79	1.78	1.77	1.77	1.77	1.75	1.76
115	2.52	2.51	2.54	2.51	2.54	2.52	2.53	2.50	2.49	2.49	2.49	2.48	2.25	2.24	2.22	2.21	2.21	2.21	2.21
120	3.07	3.05	3.07	3.04	3.08	3.05	3.07	3.03	3.03	3.01	3.00	3.00	2.75	2.74	2.72	2.71	2.71	2.71	2.71
125	3.60	3.59	3.59	3.57	3.61	3.59	3.60	3.57	3.55	3.52	3.52	3.52	3.26	3.25	3.21	3.21	3.20	3.23	3.23
130	4.12	4.11	4.11	4.08	4.11	4.10	4.13	4.08	4.05	4.03	4.03	4.02	3.76	3.74	3.71	3.71	3.69	3.71	3.73
135	4.62	4.60	4.60	4.57	4.61	4.59	4.63	4.58	4.56	4.53	4.52	4.51	4.25	4.22	4.19	4.18	4.17	4.18	4.21
140	5.08	5.07	5.08	5.04	5.08	5.07	5.12	5.05	5.03	4.99	4.98	4.97	4.69	4.66	4.65	4.63	4.62	4.64	4.68
145	5.54	5.54	5.53	5.51	5.52	5.52	5.58	5.51	5.47	5.43	5.44	5.44	5.14	5.10	5.09	5.10	5.07	5.09	5.14
150	5.97	5.96	5.96	5.98	5.97	5.96	5.98	5.90	5.88	5.89	5.89	5.88	5.59	5.55	5.53	5.57	5.54	5.55	5.58
155	6.43	6.42	6.42	6.42	6.43	6.45	6.45	6.37	6.33	6.33	6.37	6.35	6.06	6.05	6.01	6.04	6.01	6.05	6.08
160	6.87	6.86	6.85	6.85	6.86	6.89	6.89	6.83	6.79	6.76	6.78	6.81	6.55	6.54	6.49	6.50	6.49	6.54	6.57
165	7.24	7.24	7.21	7.24	7.28	7.28	7.26	7.22	7.21	7.16	7.16	7.19	6.98	6.98	6.93	6.93	6.95	6.98	7.01
170	7.53	7.52	7.54	7.56	7.60	7.60	7.57	7.53	7.51	7.51	7.53	7.52	7.36	7.37	7.36	7.35	7.33	7.36	7.39
175	7.77	7.77	7.78	7.84	7.86	7.83	7.80	7.78	7.78	7.81	7.80	7.75	7.65	7.67	7.68	7.68	7.66	7.65	7.66
180	7.88	7.89	7.89	7.92	7.89	7.87	7.85	7.86	7.90	7.93	7.93	7.89	7.89	7.88	7.90	7.92	7.89	7.87	7.86

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:L
 Test Date:2020-03-20

g Range: 0 - 180DEG
 g Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.000m [K=1.1063]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.75V I:0.1717A P:20.296W PF:0.9873 Freq:59.98Hz Lamp Flux:2219.19x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 4000K 22W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:

Table--2

UNIT: cd

C(DEG) g (DEG)	285	300	315	330	345														
0	1047	1047	1047	1047	1047														
5	1041	1042	1041	1042	1041														
10	1026	1026	1026	1026	1025														
15	998	999	998	998	996														
20	957	958	956	957	955														
25	901	902	900	900	897														
30	832	833	830	832	828														
35	756	756	753	754	751														
40	671	671	668	669	666														
45	569	568	563	564	561														
50	448	447	443	444	442														
55	328	331	324	329	325														
60	225	226	223	225	225														
65	146	146	145	147	147														
70	86.0	86.7	86.2	87.7	87.6														
75	42.0	43.5	44.3	45.9	45.3														
80	19.7	20.2	20.6	21.4	21.4														
85	6.88	7.37	7.74	8.46	8.43														
90	0.43	0.46	0.45	0.45	0.49														
95	0.63	0.68	0.66	0.67	0.67														
100	0.94	0.97	0.96	0.98	0.97														
105	1.33	1.34	1.34	1.37	1.35														
110	1.77	1.78	1.80	1.79	1.80														
115	2.23	2.25	2.25	2.26	2.27														
120	2.74	2.74	2.76	2.76	2.80														
125	3.26	3.25	3.26	3.27	3.31														
130	3.76	3.76	3.77	3.79	3.82														
135	4.23	4.25	4.27	4.27	4.29														
140	4.71	4.70	4.72	4.73	4.75														
145	5.15	5.16	5.18	5.18	5.20														
150	5.60	5.60	5.65	5.62	5.62														
155	6.12	6.09	6.11	6.11	6.10														
160	6.62	6.60	6.57	6.58	6.60														
165	7.05	7.06	7.02	6.99	7.03														
170	7.45	7.44	7.43	7.40	7.40														
175	7.70	7.75	7.75	7.73	7.71														
180	7.87	7.90	7.93	7.92	7.89														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:L
 Test Date:2020-03-20

g Range: 0 - 180DEG
 g Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.000m [K=1.1063]
 Remarks: