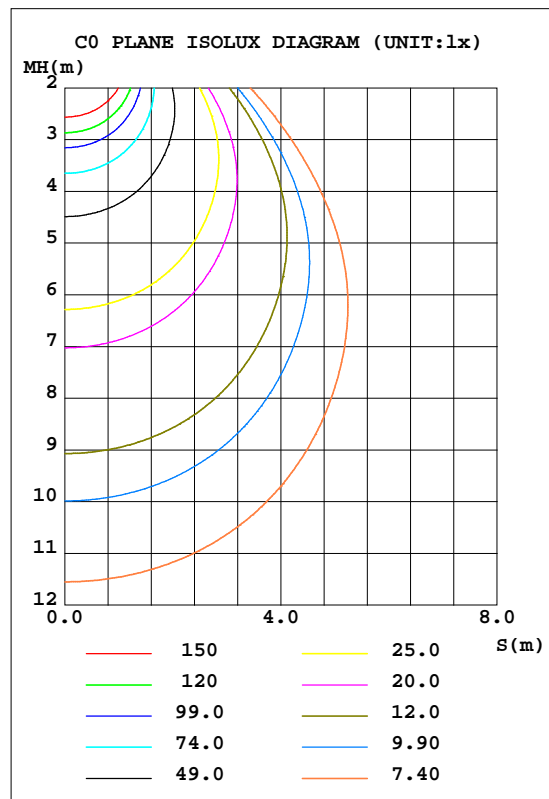
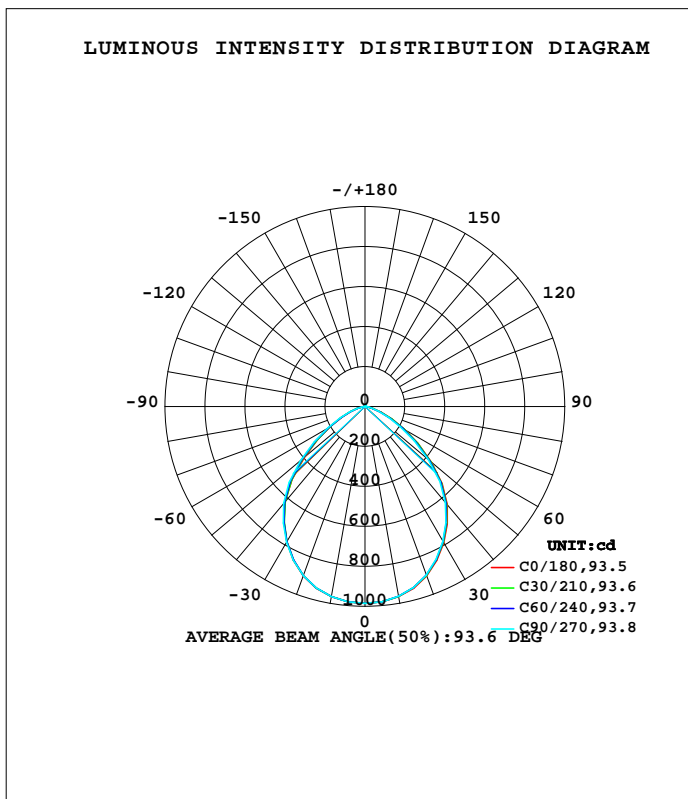


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.75V I:0.1792A P:21.207W PF:0.9881 Freq:59.98Hz Lamp Flux:2092.04x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 5000K 22W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 98.65 lm/W
MODEL	ASD-CDL5-6AD22AC	I _{max} (cd)	984.6	S/MH(C0/180)	1.19	
NOMINAL POWER(W)	22	LOR(%)	100.0	S/MH(C90/270)	1.19	
RATED VOLTAGE(V)	100-277	TOTAL FLUX(lm)	2092.0	h UP, DN(C0-180)	0.5, 49.5	
NOMINAL FLUX(lm)	2092.04	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.4, 49.6	
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:

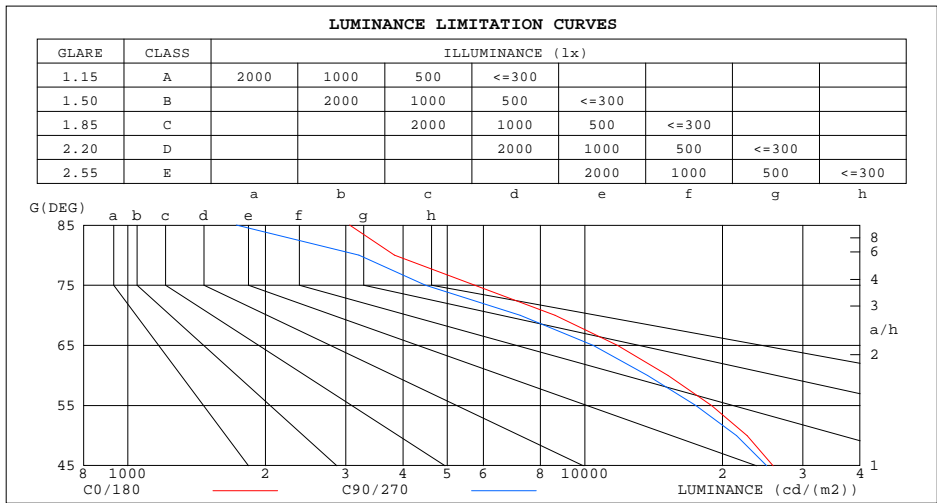
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	966.4	965.5	964.7	966.3	966.6	965.3	965.8	966.6	0- 10	93.10	93.10	4.45,4.45
20	902.4	898.7	897.3	902.4	902.5	900.0	901.8	903.6	10- 20	264.8	357.9	17.1,17.1
30	788.1	783.6	779.9	784.6	782.5	779.8	785.1	787.9	20- 30	390.0	747.9	35.7,35.7
40	640.4	634.0	627.0	628.6	623.6	621.7	632.8	638.3	30- 40	444.1	1192	57,57
50	435.7	431.0	414.5	405.7	398.9	405.5	423.6	430.4	40- 50	407.6	1600	76.5,76.5
60	227.8	224.0	206.0	197.7	197.9	202.1	213.7	219.0	50- 60	277.2	1877	89.7,89.7
70	88.16	85.30	74.18	76.05	77.28	79.08	82.07	84.76	60- 70	139.7	2017	96.4,96.4
80	19.92	18.05	16.71	18.56	19.55	19.05	18.72	19.59	70- 80	47.60	2064	98.7,98.7
90	0.5226	0.5182	0.5076	0.5412	0.4733	0.4514	0.4305	0.4082	80- 90	8.951	2073	99.1,99.1
100	1.011	1.058	1.086	1.126	0.9905	0.9414	0.9163	0.8769	90-100	0.7870	2074	99.1,99.1
110	1.814	1.857	1.885	1.916	1.771	1.723	1.677	1.644	100-110	1.462	2075	99.2,99.2
120	2.803	2.804	2.861	2.881	2.679	2.616	2.588	2.560	110-120	2.224	2078	99.3,99.3
130	3.793	3.780	3.865	3.831	3.619	3.547	3.542	3.509	120-130	2.871	2080	99.4,99.4
140	4.717	4.683	4.802	4.724	4.493	4.422	4.441	4.408	130-140	3.198	2084	99.6,99.6
150	5.558	5.564	5.625	5.574	5.346	5.298	5.274	5.280	140-150	3.135	2087	99.7,99.7
160	6.416	6.401	6.485	6.391	6.225	6.169	6.205	6.163	150-160	2.706	2089	99.9,99.9
170	7.082	7.117	7.158	7.102	6.957	6.951	6.977	6.991	160-170	1.887	2091	100,100
180	7.434	7.475	7.429	7.472	7.434	7.469	7.434	7.477	170-180	0.6900	2092	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:0.1792A P:21.207W PF:0.9881 Freq:59.98Hz Lamp Flux:2092.04x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 5000K 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	3059	1729
80	3833	3205
75	5747	4479
70	8613	7225
65	11783	10433
60	15224	13724
55	18941	17495
50	22647	21484
45	25825	24997

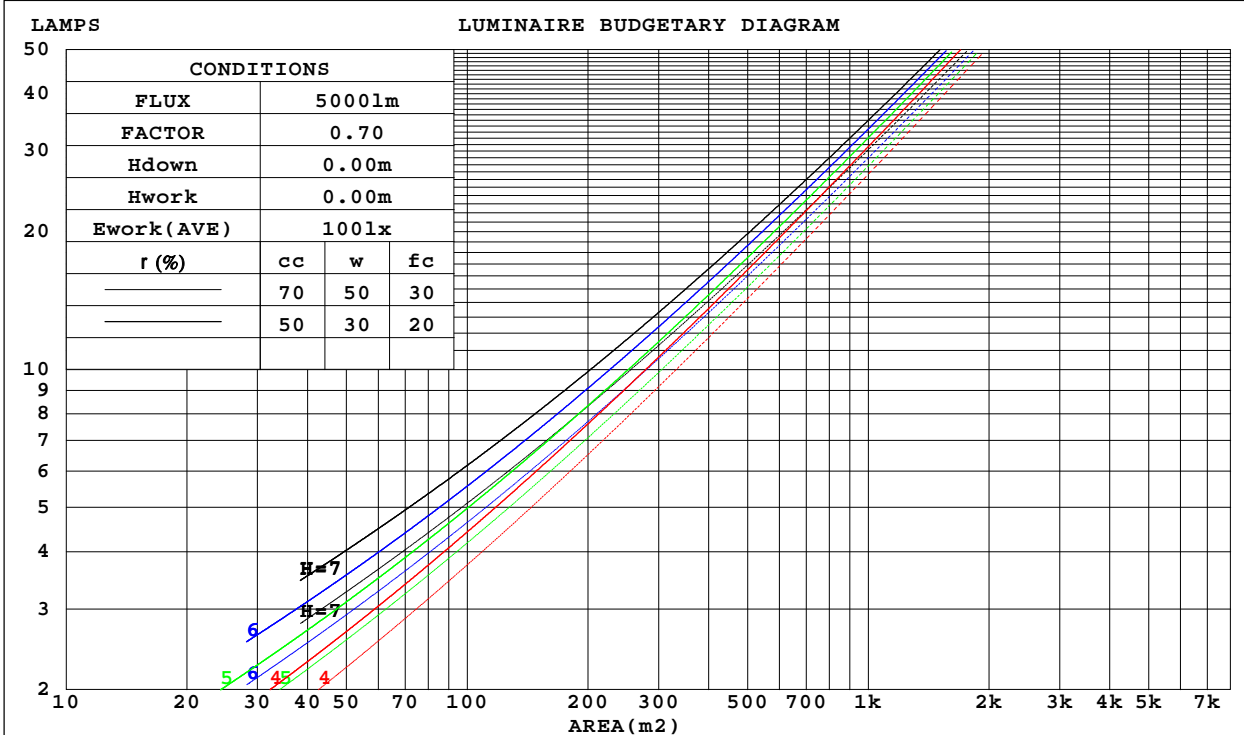
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:L
 Test Date:2020-03-20

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:0.1792A P:21.207W PF:0.9881 Freq:59.98Hz Lamp Flux:2092.04x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 5000K 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	.86	.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	.44	.39	.51	.44	.39	.49	.43	.39	.48	.43	.38	.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:0.1792A P:21.207W PF:0.9881 Freq:59.98Hz Lamp Flux:2092.04x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 5000K 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	.131	.040	.225	.125	.039	.214	.120	.038	.204	.116	.036	
3.0	.231	.123	.037	.225	.121	.036	.215	.117	.035	.206	.113	.035	.197	.109	.034	
4.0	.217	.113	.033	.213	.111	.033	.204	.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	.178	.088	.025	.171	.086	.025	.165	.085	.025	.159	.083	.024	
8.0	.171	.083	.023	.168	.083	.023	.162	.081	.023	.156	.079	.023	.151	.078	.023	
9.0	.161	.078	.022	.158	.077	.022	.153	.076	.021	.148	.074	.021	.144	.073	.021	
10.0	.153	.073	.020	.150	.073	.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:0.1792A P:21.207W PF:0.9881 Freq:59.98Hz Lamp Flux:2092.04x1 lm										
NAME: LED DOWN LIGHT					TYPE: DOWN LIGHT			WEIGHT:		
SPEC.: 5000K 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	21.4	22.8	21.8	23.2	23.5	20.6	22.1	21.0	22.4	22.7
3H	22.1	23.4	22.5	23.8	24.2	21.3	22.6	21.7	22.9	23.3
4H	22.3	23.5	22.7	23.8	24.2	21.4	22.6	21.8	22.9	23.3
6H	22.3	23.4	22.7	23.8	24.2	21.4	22.5	21.8	22.9	23.3
8H	22.3	23.3	22.7	23.7	24.2	21.4	22.4	21.8	22.8	23.3
12H	22.3	23.3	22.7	23.7	24.1	21.4	22.4	21.8	22.8	23.2
4H 2H	21.7	22.9	22.1	23.2	23.6	20.9	22.1	21.3	22.4	22.8
3H	22.5	23.5	22.9	23.9	24.3	21.6	22.6	22.1	23.0	23.5
4H	22.7	23.6	23.1	24.0	24.5	21.8	22.7	22.2	23.1	23.6
6H	22.8	23.5	23.2	24.0	24.5	21.8	22.6	22.3	23.1	23.5
8H	22.8	23.5	23.2	23.9	24.4	21.8	22.5	22.3	23.0	23.5
12H	22.8	23.4	23.3	23.9	24.4	21.8	22.4	22.3	22.9	23.4
8H 4H	22.7	23.4	23.2	23.9	24.4	21.8	22.5	22.3	23.0	23.5
6H	22.8	23.4	23.3	23.9	24.4	21.9	22.5	22.4	23.0	23.5
8H	22.8	23.3	23.3	23.8	24.3	21.9	22.4	22.4	22.9	23.4
12H	22.8	23.3	23.3	23.8	24.4	21.9	22.3	22.4	22.8	23.4
12H 4H	22.7	23.3	23.2	23.8	24.3	21.8	22.4	22.3	22.9	23.4
6H	22.7	23.3	23.3	23.8	24.3	21.8	22.4	22.4	22.9	23.4
8H	22.8	23.2	23.3	23.7	24.3	21.9	22.3	22.4	22.8	23.4
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:0.1792A P:21.207W PF:0.9881 Freq:59.98Hz Lamp Flux:2092.04x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 5000K 22W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:

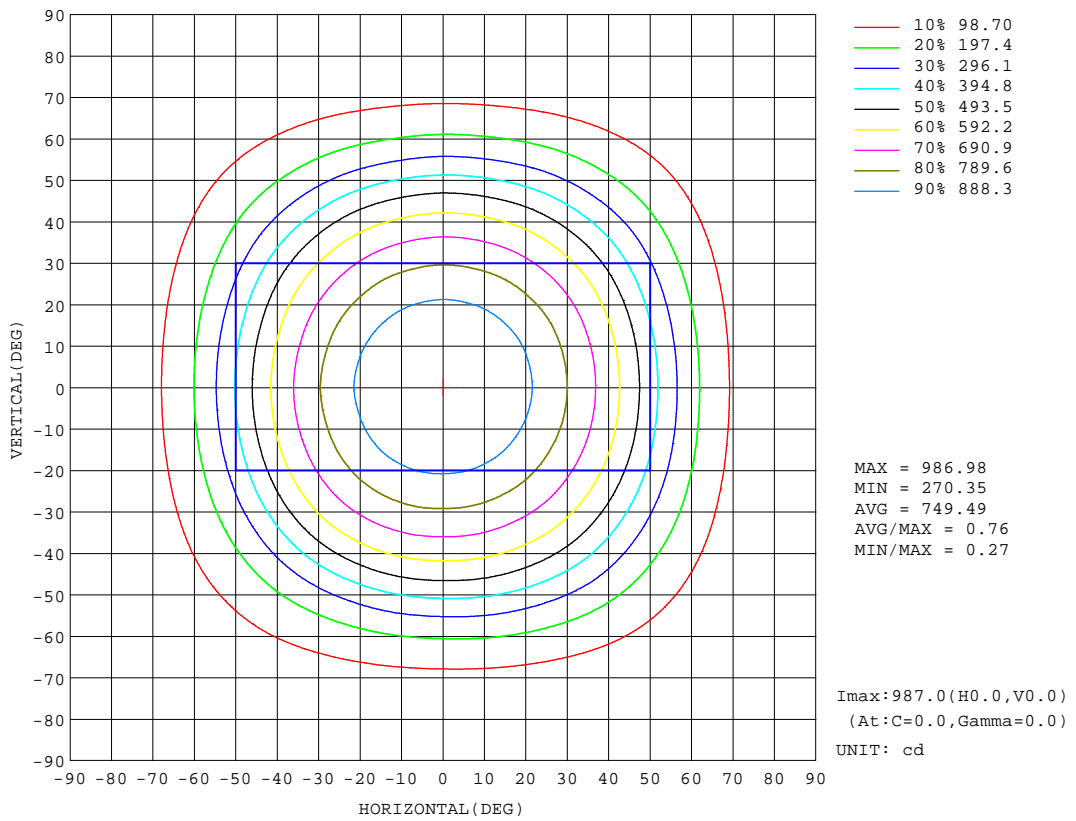
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	64	54	48	64	54	48	62	53	47	42
0.80	75	64	58	74	64	58	72	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	78	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:0.1792A P:21.207W PF:0.9881 Freq:59.98Hz Lamp Flux:2092.04x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 5000K 22W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:



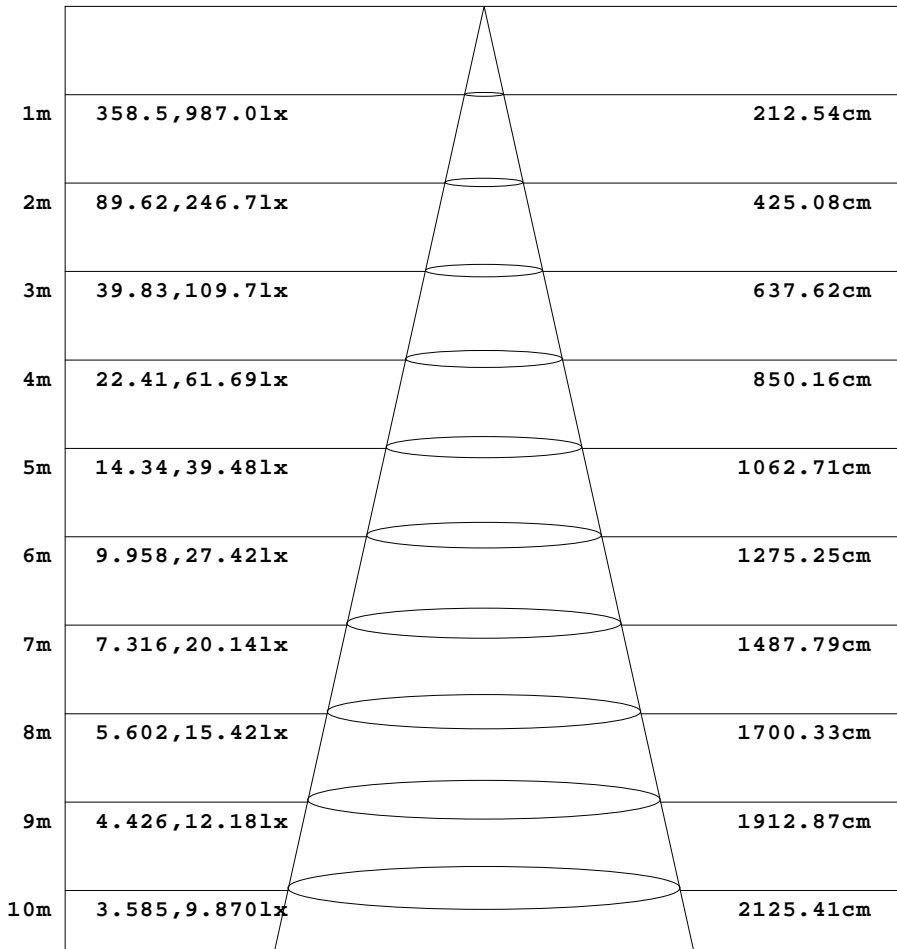
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:L
 Test Date:2020-03-20

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:0.1792A P:21.207W PF:0.9881 Freq:59.98Hz Lamp Flux:2092.04x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 5000K 22W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:

Flux out:1600 lm



Height Eavg, Emax Angle:93.48deg Diameter

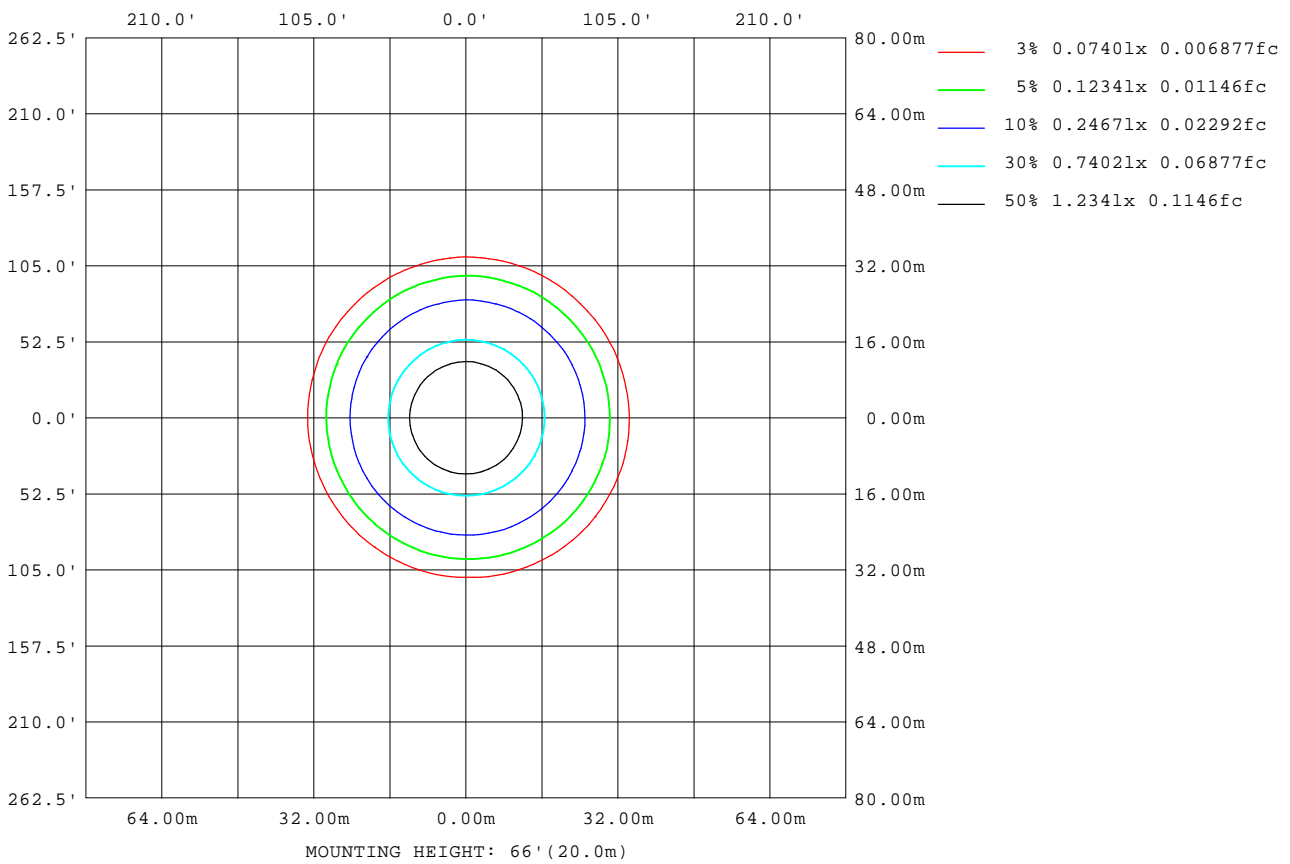
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1792A P:21.207W PF:0.9881 Freq:59.98Hz Lamp Flux:2092.04x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 5000K 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:0.1792A P:21.207W PF:0.9881 Freq:59.98Hz Lamp Flux:2092.04x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 5000K 22W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:

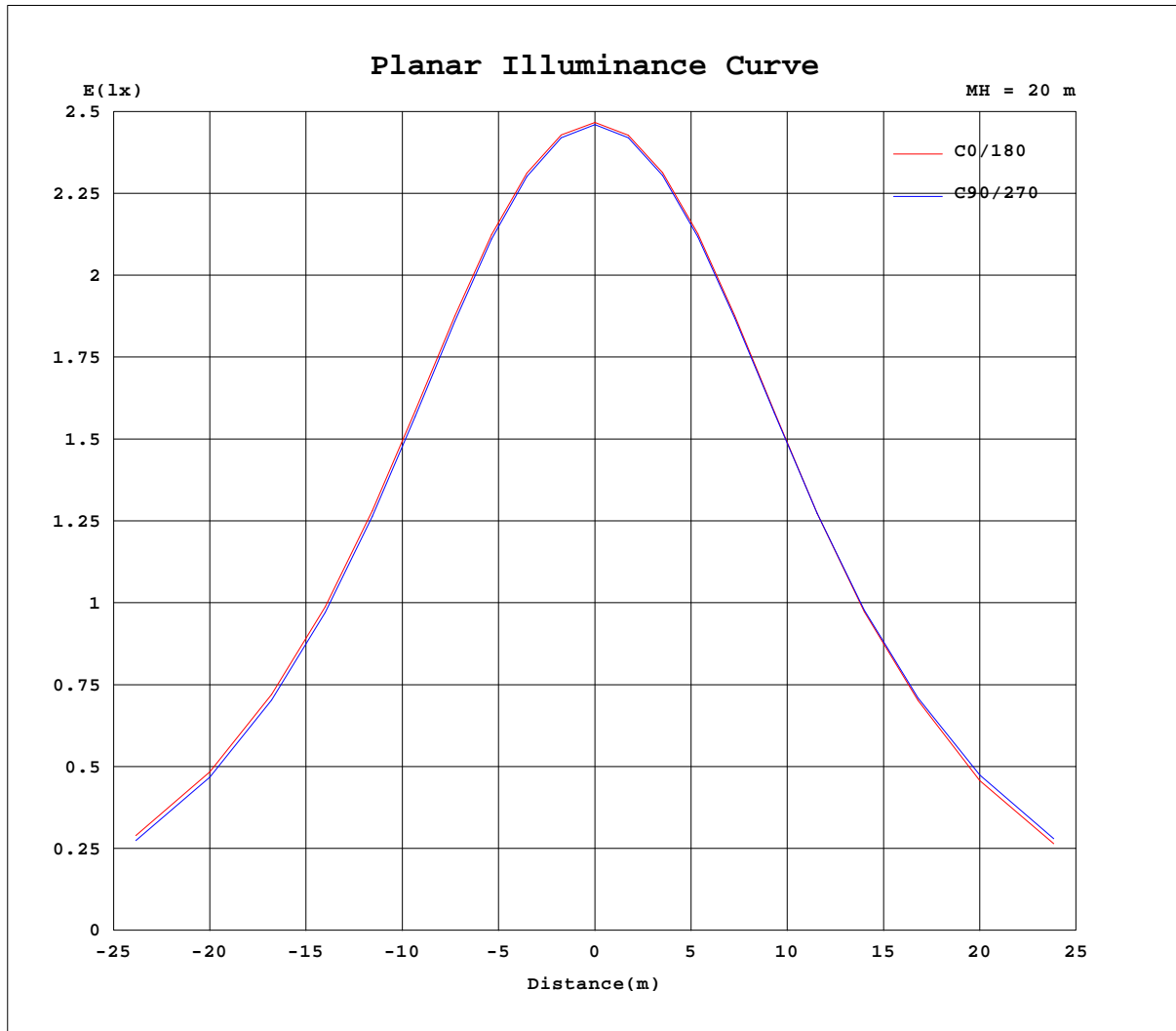
AvgL	cd/m2
L_0~180(65)av	10943
L_0~180(75)av	5499
L_0~180(85)av	3069
L_90~270(65)av	10672
L_90~270(75)av	4834
L_90~270(85)av	2151
L_45(65)av	10794
L_45(75)av	5305
L_45(85)av	2598

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:0.1792A P:21.207W PF:0.9881 Freq:59.98Hz Lamp Flux:2092.04x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 5000K 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	985	985	985	985	985	985	985	985	985	985	985	985	985	985	985	985	985	985	985
5	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980
10	966	966	966	966	965	965	965	965	966	966	966	966	967	966	966	965	966	965	966
15	941	940	939	939	938	938	938	939	940	941	941	941	942	940	941	939	940	939	940
20	902	901	900	899	898	897	897	899	900	902	902	902	903	901	901	900	901	900	902
25	851	849	847	846	845	845	844	846	847	849	848	849	849	847	847	846	847	847	849
30	788	787	784	784	781	781	780	782	783	785	783	782	782	780	781	780	782	782	785
35	718	717	714	713	710	710	708	709	710	710	708	707	707	704	706	705	708	709	713
40	640	639	636	634	630	630	627	629	628	629	625	624	624	621	622	622	626	627	633
45	547	546	543	542	538	536	531	531	527	526	520	518	517	515	520	522	529	532	538
50	436	435	432	431	426	422	415	412	408	406	400	399	399	398	403	406	413	417	424
55	325	328	323	323	314	310	301	299	293	291	287	288	289	289	294	295	301	303	311
60	228	229	226	224	218	213	206	204	199	198	195	196	198	198	202	202	206	208	214
65	149	150	148	146	141	137	132	130	128	128	126	127	128	129	131	132	134	135	138
70	88.2	88.5	86.7	85.3	80.6	77.4	74.2	74.4	74.4	76.1	75.7	76.4	77.3	77.7	79.1	79.1	80.4	80.1	82.1
75	44.5	44.3	43.0	41.6	38.1	36.1	34.8	35.6	36.7	39.0	39.8	40.4	40.9	40.8	41.8	41.3	41.2	39.7	40.3
80	19.9	19.4	18.6	18.0	17.4	17.0	16.7	17.2	17.7	18.6	19.0	19.5	19.6	19.2	19.4	19.0	18.7	18.5	18.7
85	7.98	7.61	6.64	6.08	5.46	5.02	4.52	4.98	5.39	6.42	7.03	7.70	8.07	8.02	7.83	7.33	7.26	6.74	6.72
90	0.52	0.52	0.52	0.52	0.50	0.54	0.51	0.54	0.52	0.54	0.54	0.56	0.47	0.49	0.47	0.45	0.44	0.42	0.43
95	0.72	0.75	0.73	0.76	0.73	0.77	0.75	0.78	0.77	0.80	0.78	0.81	0.68	0.68	0.68	0.65	0.67	0.63	0.63
100	1.01	1.05	1.05	1.06	1.06	1.09	1.09	1.09	1.10	1.13	1.11	1.14	0.99	0.96	0.98	0.94	0.95	0.91	0.92
105	1.40	1.41	1.42	1.43	1.44	1.47	1.47	1.48	1.48	1.51	1.51	1.53	1.35	1.34	1.34	1.31	1.31	1.27	1.28
110	1.81	1.85	1.83	1.86	1.85	1.89	1.89	1.89	1.89	1.92	1.92	1.94	1.77	1.75	1.75	1.72	1.72	1.69	1.68
115	2.29	2.30	2.31	2.31	2.34	2.35	2.36	2.37	2.37	2.38	2.39	2.41	2.21	2.17	2.18	2.15	2.15	2.12	2.11
120	2.80	2.81	2.81	2.80	2.84	2.85	2.86	2.87	2.86	2.88	2.88	2.90	2.68	2.65	2.64	2.62	2.61	2.58	2.59
125	3.30	3.31	3.31	3.30	3.34	3.34	3.36	3.37	3.36	3.37	3.36	3.39	3.16	3.13	3.11	3.08	3.08	3.06	3.07
130	3.79	3.80	3.80	3.78	3.82	3.83	3.86	3.85	3.85	3.83	3.85	3.87	3.62	3.59	3.57	3.55	3.53	3.53	3.54
135	4.28	4.27	4.27	4.24	4.28	4.29	4.34	4.30	4.32	4.30	4.30	4.32	4.07	4.04	4.02	3.99	3.97	3.97	3.98
140	4.72	4.71	4.71	4.68	4.73	4.74	4.80	4.76	4.76	4.72	4.74	4.75	4.49	4.46	4.45	4.42	4.40	4.40	4.44
145	5.16	5.14	5.14	5.12	5.16	5.16	5.23	5.19	5.18	5.14	5.17	5.18	4.91	4.87	4.85	4.85	4.82	4.82	4.86
150	5.56	5.54	5.56	5.56	5.57	5.58	5.62	5.57	5.56	5.57	5.59	5.58	5.35	5.29	5.28	5.30	5.26	5.25	5.27
155	5.98	5.98	5.99	5.99	6.01	6.04	6.07	6.01	5.99	6.00	6.04	6.04	5.78	5.75	5.73	5.74	5.71	5.72	5.75
160	6.42	6.42	6.41	6.40	6.43	6.47	6.48	6.44	6.43	6.39	6.43	6.45	6.23	6.22	6.17	6.17	6.16	6.19	6.21
165	6.77	6.78	6.76	6.78	6.83	6.84	6.84	6.81	6.80	6.76	6.77	6.80	6.63	6.61	6.57	6.57	6.58	6.60	6.61
170	7.08	7.08	7.09	7.12	7.16	7.17	7.16	7.12	7.10	7.10	7.12	7.12	6.96	6.98	6.96	6.95	6.94	6.95	6.98
175	7.32	7.33	7.35	7.39	7.41	7.39	7.37	7.34	7.36	7.37	7.36	7.33	7.24	7.25	7.27	7.27	7.24	7.23	7.24
180	7.43	7.44	7.45	7.47	7.45	7.43	7.43	7.44	7.45	7.47	7.46	7.45	7.43	7.44	7.46	7.47	7.45	7.43	7.43

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:0.1792A P:21.207W PF:0.9881 Freq:59.98Hz Lamp Flux:2092.04x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 5000K 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	985	985	985	985	985														
5	980	980	981	980	980														
10	966	966	967	967	967														
15	940	941	942	943	942														
20	902	903	904	905	905														
25	849	851	851	853	852														
30	785	788	788	790	790														
35	713	716	717	720	720														
40	633	637	638	642	642														
45	537	542	542	546	547														
50	424	429	430	435	436														
55	311	316	318	325	324														
60	214	218	219	224	226														
65	139	141	143	146	148														
70	81.8	83.7	84.8	87.1	87.9														
75	39.8	41.7	42.9	44.8	44.6														
80	18.7	19.1	19.6	20.4	20.3														
85	6.52	6.96	7.35	7.97	7.97														
90	0.41	0.42	0.41	0.42	0.43														
95	0.61	0.62	0.60	0.61	0.59														
100	0.89	0.91	0.88	0.89	0.88														
105	1.25	1.26	1.22	1.24	1.24														
110	1.67	1.67	1.64	1.65	1.63														
115	2.10	2.10	2.08	2.08	2.06														
120	2.57	2.56	2.56	2.56	2.54														
125	3.06	3.05	3.04	3.02	3.04														
130	3.54	3.53	3.51	3.52	3.53														
135	3.99	3.97	3.98	3.97	3.99														
140	4.43	4.41	4.41	4.41	4.42														
145	4.85	4.83	4.84	4.82	4.83														
150	5.28	5.25	5.28	5.25	5.23														
155	5.76	5.71	5.73	5.70	5.68														
160	6.24	6.20	6.16	6.14	6.16														
165	6.64	6.63	6.60	6.54	6.58														
170	7.02	7.00	6.99	6.95	6.95														
175	7.28	7.31	7.31	7.27	7.26														
180	7.43	7.45	7.48	7.47	7.45														

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: