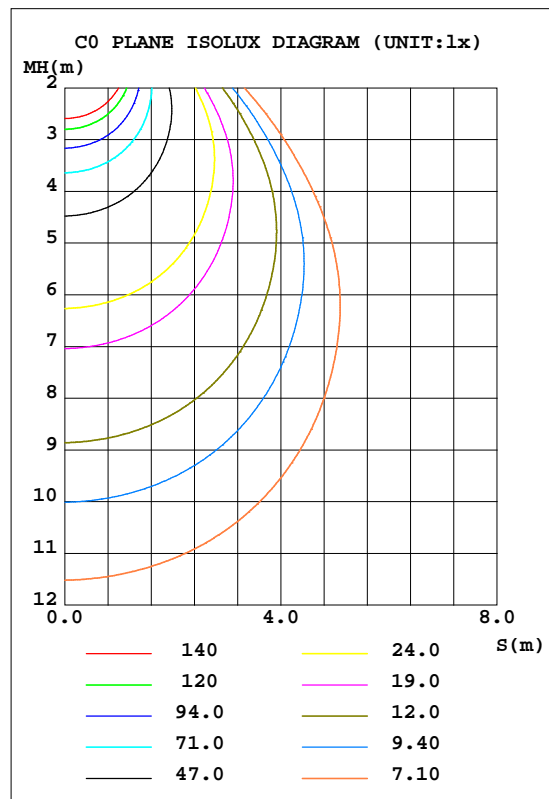
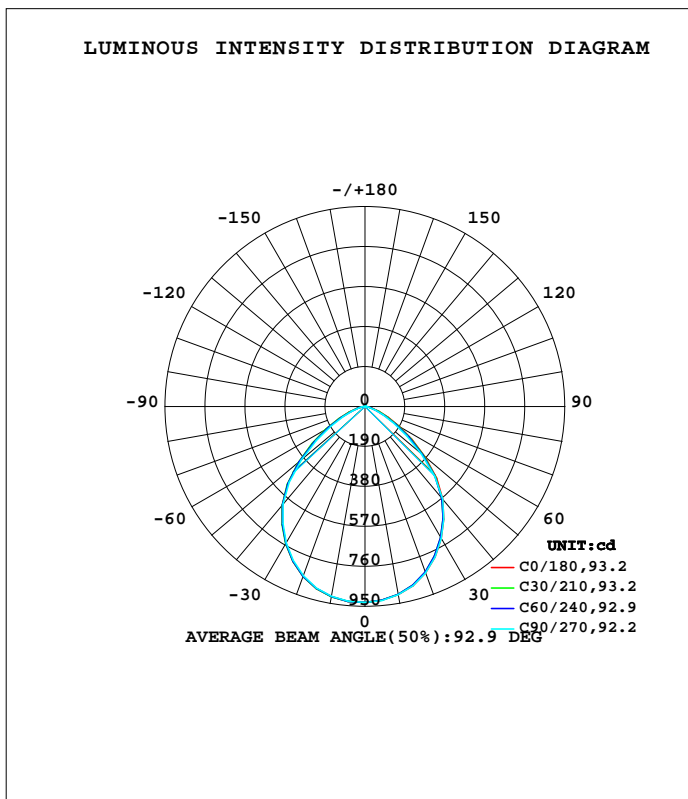


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.19V I:0.1787A P:21.220W PF:0.9879 Freq:59.98Hz Lamp Flux:1944.91x1 lm		
NAME: LED DOWN LIGHT	TYPE: 3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 91.66 lm/W
MODEL	ASD-CDL5-6AD22AC	I <sub>max</sub> (cd)	931.2	S/MH(C0/180)	1.21	
NOMINAL POWER(W)	100-277	LOR(%)	100.0	S/MH(C90/270)	1.20	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1944.9	h UP, DN(C0-180)	0.5, 48.5	
NOMINAL FLUX(lm)	1944.91	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.4, 50.6	
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: 2020-03-03

g Range: 0 - 180DEG  
 g Interval: 5.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.1063]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

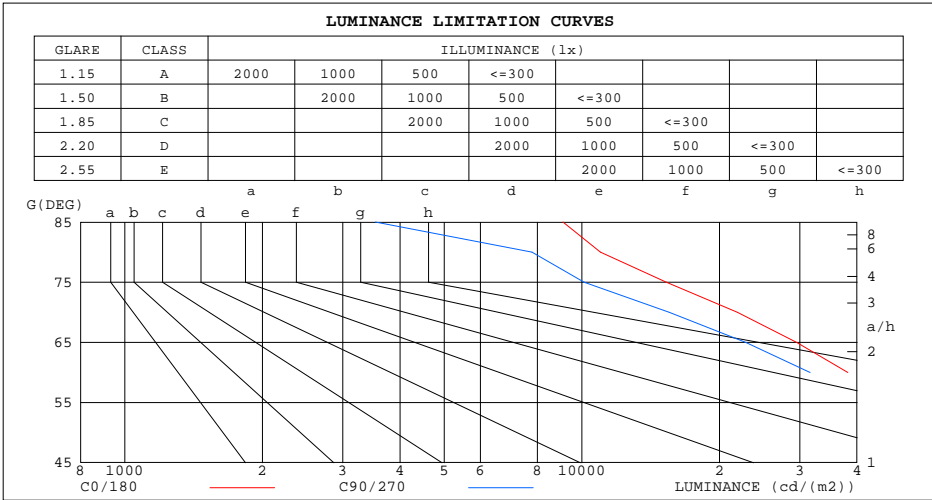
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	908.6	907.4	908.9	914.5	918.3	918.1	916.2	912.3	0- 10	88.02	88.02	4.53,4.53
20	841.9	838.1	841.2	852.1	860.5	859.5	857.1	851.1	10- 20	250.1	338.1	17.4,17.4
30	725.5	720.7	725.1	742.3	752.9	751.6	748.3	738.3	20- 30	367.6	705.6	36.3,36.3
40	575.6	569.6	575.9	598.4	612.2	610.8	606.2	592.5	30- 40	417.7	1123	57.8,57.8
50	374.2	367.9	350.9	388.2	409.3	414.3	396.0	390.0	40- 50	380.3	1504	77.3,77.3
60	188.9	180.2	158.2	185.4	208.7	208.8	187.6	191.7	50- 60	252.5	1756	90.3,90.3
70	74.01	66.11	53.26	65.57	79.50	77.07	65.40	72.29	60- 70	122.6	1879	96.6,96.6
80	18.87	15.69	13.54	15.43	17.70	16.77	16.70	17.98	70- 80	40.84	1919	98.7,98.7
90	0.5512	0.4900	0.4589	0.4763	0.3819	0.3946	0.3703	0.4105	80- 90	7.836	1927	99.1,99.1
100	1.035	1.035	0.9884	0.9748	0.8398	0.7809	0.7300	0.8022	90-100	0.7043	1928	99.1,99.1
110	1.808	1.816	1.773	1.733	1.543	1.479	1.426	1.533	100-110	1.328	1929	99.2,99.2
120	2.751	2.719	2.701	2.625	2.371	2.299	2.289	2.385	110-120	2.050	1931	99.3,99.3
130	3.666	3.654	3.646	3.538	3.271	3.179	3.200	3.276	120-130	2.663	1934	99.4,99.4
140	4.527	4.507	4.530	4.396	4.115	3.999	4.062	4.129	130-140	2.981	1937	99.6,99.6
150	5.312	5.332	5.309	5.210	4.916	4.836	4.852	4.943	140-150	2.930	1940	99.7,99.7
160	6.086	6.108	6.116	5.979	5.750	5.672	5.753	5.751	150-160	2.532	1942	99.9,99.9
170	6.697	6.741	6.713	6.638	6.502	6.448	6.499	6.537	160-170	1.767	1944	100,100
180	7.002	7.037	6.979	7.019	7.046	7.021	6.973	7.025	170-180	0.6470	1945	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:2020-03-03

g Range: 0 - 180DEG  
 g Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.1063]  
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.19V I:0.1787A P:21.220W PF:0.9879 Freq:59.98Hz Lamp Flux:1944.91x1 lm		
NAME: LED DOWN LIGHT	TYPE: 3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	9093	3537
80	10990	7781
75	15308	10114
70	21888	15534
65	29511	22829
60	38207	31567
55	48235	42257
50	58890	54453
45	68953	66183

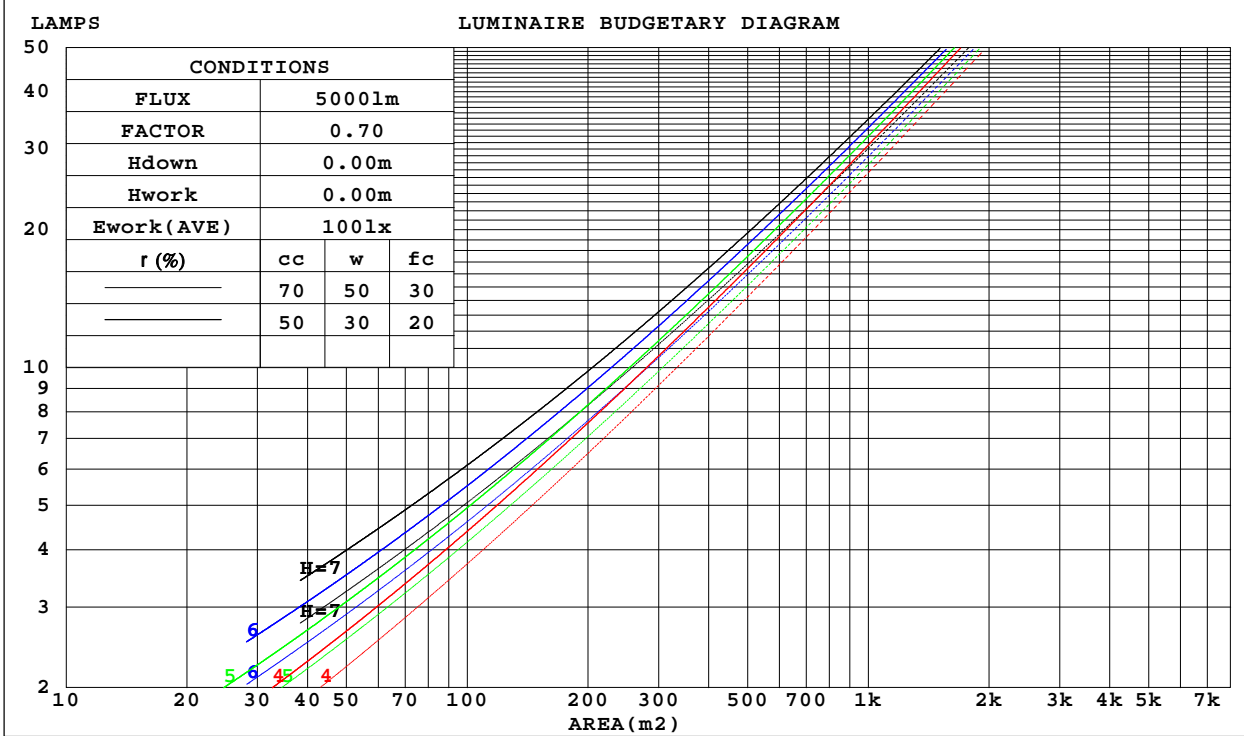
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:L  
 Test Date:2020-03-03

g Range: 0 - 180DEG  
 g Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.1063]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.19V I:0.1787A P:21.220W PF:0.9879 Freq:59.98Hz Lamp Flux:1944.91x1 lm		
NAME: LED DOWN LIGHT	TYPE: 3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

r <sub>cc</sub>	80%			70%			50%			30%			10%			0
r <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r <sub>fc</sub>	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	1.05	1.01	.99	1.00	.98	.95	.96	.94	.92	.93	.91	.89	.87
2.0	.96	.90	.85	.94	.88	.84	.90	.86	.82	.87	.83	.80	.84	.81	.78	.76
3.0	.86	.79	.73	.84	.78	.72	.81	.76	.71	.78	.74	.70	.76	.72	.68	.66
4.0	.77	.69	.63	.76	.69	.63	.73	.67	.62	.71	.65	.61	.69	.64	.60	.58
5.0	.70	.62	.56	.68	.61	.55	.66	.60	.55	.64	.59	.54	.63	.58	.54	.52
6.0	.63	.55	.49	.62	.55	.49	.61	.54	.49	.59	.53	.48	.57	.52	.48	.46
7.0	.58	.50	.44	.57	.49	.44	.55	.49	.44	.54	.48	.43	.53	.47	.43	.41
8.0	.53	.45	.40	.52	.45	.40	.51	.44	.39	.50	.44	.39	.49	.43	.39	.37
9.0	.49	.41	.36	.48	.41	.36	.47	.41	.36	.46	.40	.36	.45	.39	.35	.34
10.0	.45	.38	.33	.45	.38	.33	.44	.37	.33	.43	.37	.33	.42	.36	.32	.31



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

g Range: 0 - 180DEG  
 g Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.1063]  
 Remarks:

WEC AND CCEC

Test:U:120.19V I:0.1787A P:21.220W PF:0.9879 Freq:59.98Hz Lamp Flux:1944.91x1 lm		
NAME: LED DOWN LIGHT	TYPE: 3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	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	.248	.141	.045	.241	.137	.044	.227	.130	.042	.215	.124	.040	.203	.118	.038	
2.0	.241	.132	.041	.235	.129	.040	.223	.124	.039	.212	.119	.037	.202	.114	.036	
3.0	.229	.122	.036	.223	.120	.036	.213	.115	.035	.204	.112	.034	.195	.108	.033	
4.0	.216	.112	.033	.211	.110	.033	.202	.107	.032	.193	.104	.031	.186	.101	.031	
5.0	.203	.103	.030	.199	.102	.030	.191	.099	.029	.183	.097	.029	.176	.094	.028	
6.0	.191	.096	.027	.187	.095	.027	.180	.092	.027	.173	.090	.026	.167	.088	.026	
7.0	.180	.089	.025	.177	.088	.025	.170	.086	.025	.164	.084	.024	.158	.082	.024	
8.0	.170	.083	.023	.167	.082	.023	.161	.080	.023	.155	.079	.023	.150	.077	.022	
9.0	.160	.078	.022	.158	.077	.022	.152	.075	.021	.147	.074	.021	.143	.073	.021	
10.0	.152	.073	.020	.149	.072	.020	.145	.071	.020	.140	.070	.020	.136	.068	.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	.172	.139	.111	.148	.120	.096	.101	.083	.067	.058	.048	.039	.019	.016	.013	
3.0	.164	.121	.087	.140	.104	.076	.096	.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	.148	.097	.058	.127	.084	.051	.088	.058	.036	.051	.034	.021	.016	.011	.007	
6.0	.142	.088	.050	.122	.076	.043	.084	.053	.031	.049	.031	.018	.016	.010	.006	
7.0	.135	.081	.043	.116	.070	.037	.080	.049	.026	.047	.029	.016	.015	.009	.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	.102	.057	.027	.071	.040	.019	.041	.024	.011	.013	.008	.004	

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

g Range: 0 - 180DEG  
 g Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.1063]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.19V I:0.1787A P:21.220W PF:0.9879 Freq:59.98Hz Lamp Flux:1944.91x1 lm										
NAME: LED DOWN LIGHT					TYPE: 3000K			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: ASD LIGHTING CORP					SUR.:			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	24.2	25.6	24.6	25.9	26.3	23.4	24.8	23.8	25.1	25.5
3H	24.9	26.2	25.3	26.5	26.9	23.9	25.1	24.3	25.5	25.9
4H	25.1	26.2	25.5	26.6	27.0	23.9	25.1	24.4	25.5	25.9
6H	25.1	26.2	25.5	26.6	27.0	24.0	25.0	24.4	25.4	25.9
8H	25.1	26.2	25.6	26.6	27.0	23.9	25.0	24.4	25.4	25.8
12H	25.1	26.1	25.6	26.5	26.9	23.9	24.9	24.4	25.3	25.8
4H 2H	24.4	25.6	24.8	25.9	26.4	23.7	24.9	24.1	25.3	25.7
3H	25.3	26.2	25.7	26.6	27.1	24.3	25.3	24.7	25.7	26.1
4H	25.5	26.3	25.9	26.8	27.2	24.4	25.3	24.9	25.7	26.2
6H	25.6	26.3	26.0	26.8	27.3	24.5	25.2	24.9	25.7	26.2
8H	25.6	26.3	26.0	26.7	27.2	24.4	25.1	24.9	25.6	26.1
12H	25.6	26.2	26.1	26.7	27.2	24.4	25.0	24.9	25.5	26.0
8H 4H	25.4	26.1	25.9	26.6	27.1	24.4	25.1	24.9	25.6	26.1
6H	25.6	26.1	26.1	26.6	27.1	24.5	25.1	25.0	25.6	26.1
8H	25.6	26.1	26.1	26.6	27.1	24.5	25.0	25.0	25.5	26.1
12H	25.6	26.1	26.1	26.6	27.2	24.5	24.9	25.0	25.4	26.0
12H 4H	25.4	26.0	25.9	26.5	27.0	24.4	25.0	24.9	25.5	26.0
6H	25.5	26.0	26.1	26.5	27.1	24.5	25.0	25.0	25.5	26.0
8H	25.6	26.0	26.1	26.5	27.1	24.5	24.9	25.0	25.5	26.0
CIE190: 2010										

CIE190: 2010  
Area: 0.01 m2

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

g Range: 0 - 180DEG  
g Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.000m [K=1.1063]  
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.19V I:0.1787A P:21.220W PF:0.9879 Freq:59.98Hz Lamp Flux:1944.9lx1 lm		
NAME: LED DOWN LIGHT	TYPE: 3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

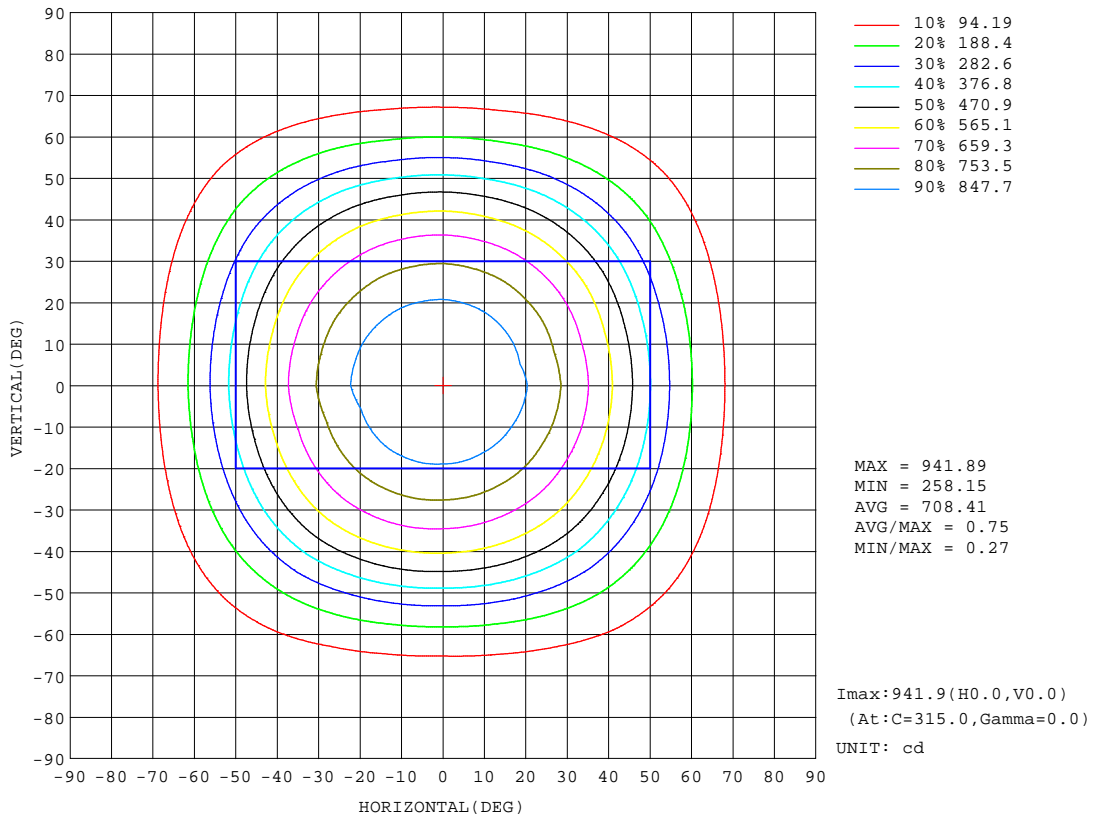
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	65	54	48	64	54	48	63	54	48	42
0.80	75	65	59	74	65	58	72	64	58	52
1.00	83	74	68	82	73	68	80	74	67	61
1.25	90	81	75	89	81	75	86	79	74	68
1.50	94	86	81	93	85	80	90	84	79	72
2.00	100	93	88	98	92	87	95	90	86	79
2.50	103	97	92	101	96	91	98	93	89	82
3.00	106	100	96	104	99	95	100	96	93	85
4.00	109	104	101	107	103	99	103	99	97	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: 2020-03-03

g Range: 0 - 180DEG  
 g Interval: 5.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.1063]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.19V I:0.1787A P:21.220W PF:0.9879 Freq:59.98Hz Lamp Flux:1944.9lx1 lm		
NAME: LED DOWN LIGHT	TYPE: 3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



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

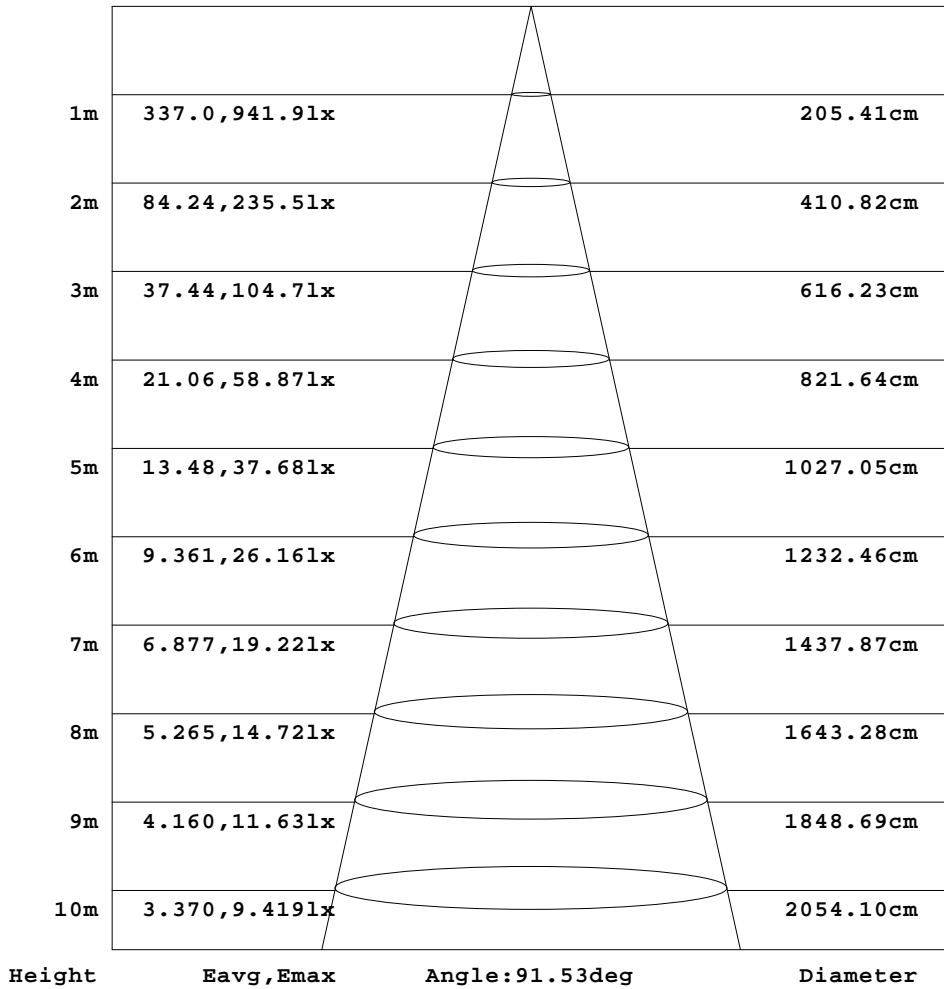
g Range: 0 - 180DEG  
 g Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.1063]  
 Remarks:



AAI Figure

Test:U:120.19V I:0.1787A P:21.220W PF:0.9879 Freq:59.98Hz Lamp Flux:1944.91x1 lm		
NAME: LED DOWN LIGHT	TYPE: 3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

Flux out:1504 lm



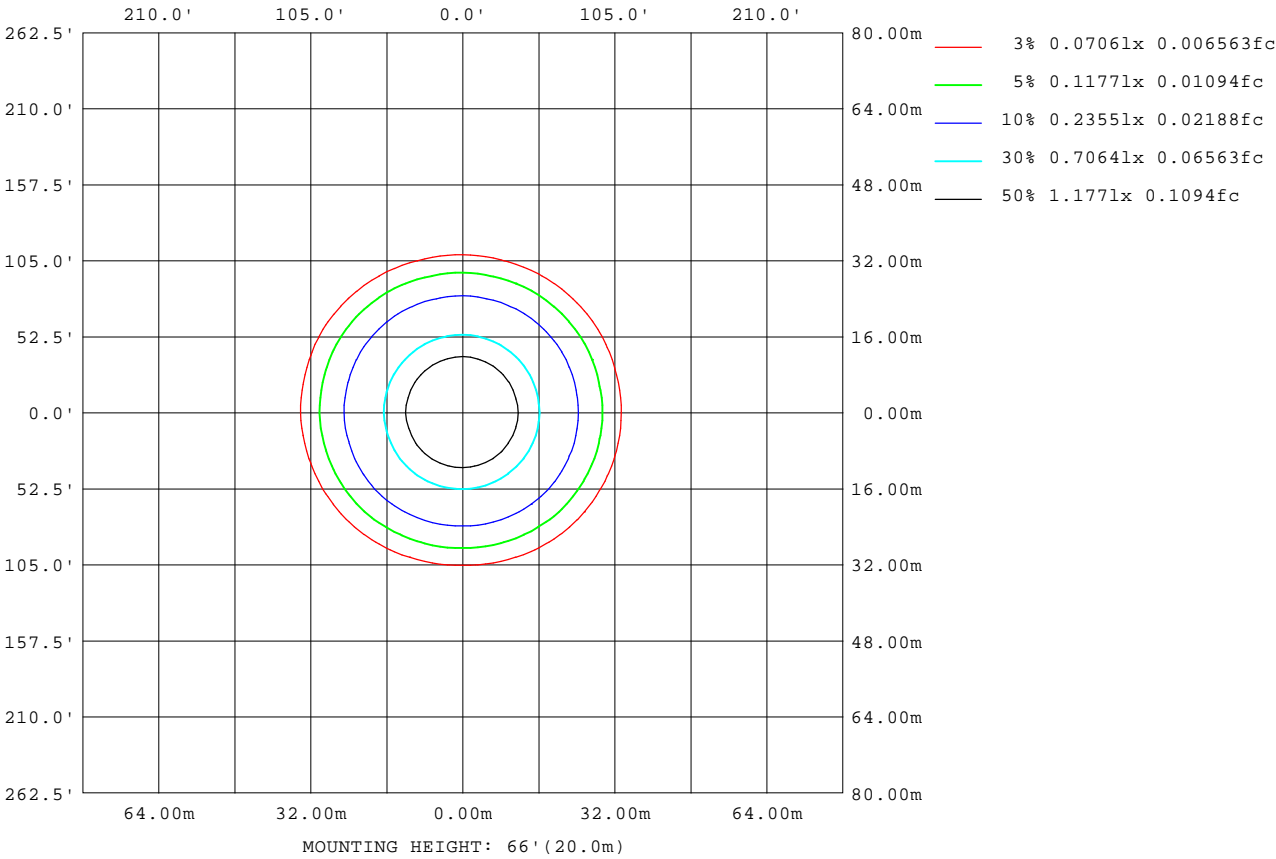
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

g Range: 0 - 180DEG  
 g Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.1063]  
 Remarks:

**ISOLUX DIAGRAM**

Test:U:120.19V I:0.1787A P:21.220W PF:0.9879 Freq:59.98Hz Lamp Flux:1944.9lx1 lm		
NAME: LED DOWN LIGHT	TYPE: 3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



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

g Range: 0 - 180DEG  
 g Interval: 5.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.1063]  
 Remarks:

LED Avg.L Report

Test:U:120.19V I:0.1787A P:21.220W PF:0.9879 Freq:59.98Hz Lamp Flux:1944.91x1 lm		
NAME: LED DOWN LIGHT	TYPE: 3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

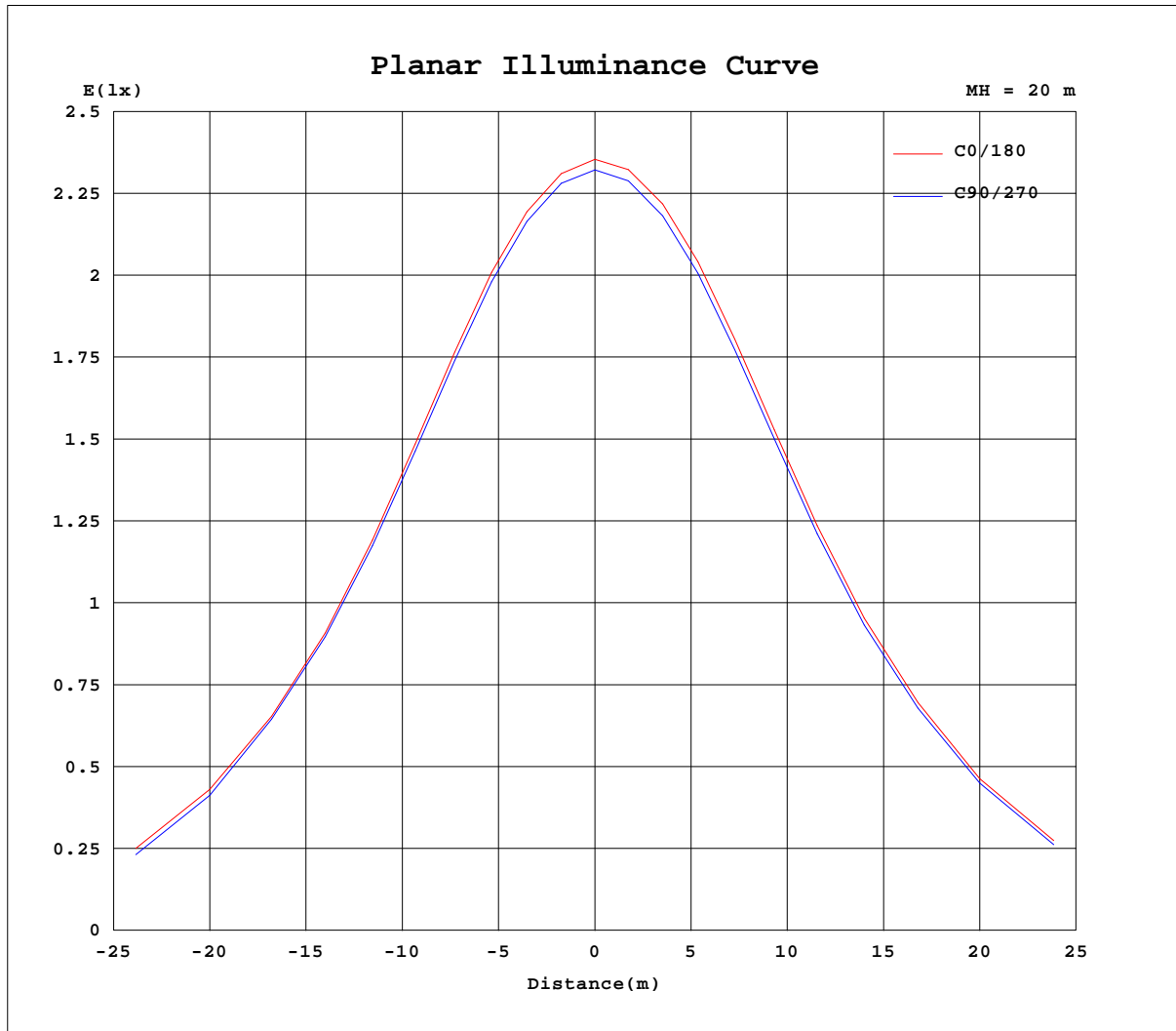
AvgL	cd/m2
L_0~180(65)av	30558
L_0~180(75)av	15275
L_0~180(85)av	8440
L_90~270(65)av	25173
L_90~270(75)av	11334
L_90~270(85)av	5168
L_45(65)av	28804
L_45(75)av	13540
L_45(85)av	6688

Standard: GB/T 29293-2012

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

g Range: 0 - 180DEG  
 g Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 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: 2020-03-03

g Range: 0 - 180DEG  
 g Interval: 5.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.1063]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.19V I:0.1787A P:21.220W PF:0.9879 Freq:59.98Hz Lamp Flux:1944.91x1 lm		
NAME: LED DOWN LIGHT	TYPE: 3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	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	931	931	931	931	931	931	931	931	931	931	931	931	931	931	931	931	931	931	931
5	924	924	924	924	924	925	925	926	926	927	928	929	929	929	930	929	929	929	929
10	909	908	907	907	907	908	909	911	912	914	915	917	918	918	919	918	918	916	916
15	882	881	879	880	879	881	881	884	886	890	892	894	896	896	896	895	895	893	893
20	842	840	838	838	838	840	841	845	848	852	855	858	860	860	861	859	859	857	857
25	789	786	784	784	784	786	788	793	797	802	806	808	812	811	813	811	810	808	808
30	726	723	720	721	720	723	725	731	736	742	746	749	753	752	754	752	751	749	748
35	654	651	648	649	649	652	654	661	667	674	678	682	686	686	688	685	685	682	680
40	576	572	569	570	570	572	576	582	590	598	603	608	612	612	614	611	611	607	606
45	482	479	476	477	473	470	469	478	488	502	507	513	519	519	524	522	520	513	511
50	374	372	369	368	360	355	351	359	371	388	397	403	409	411	416	414	410	399	396
55	274	272	268	265	254	247	243	249	260	278	287	296	302	304	309	305	298	286	283
60	189	188	184	180	172	162	158	162	174	185	195	203	209	211	214	209	201	190	188
65	123	122	119	115	105	99.5	96.7	99.2	105	116	124	130	135	137	139	134	126	118	116
70	74.0	73.0	70.0	66.1	59.3	55.4	53.3	54.9	58.3	65.6	71.6	76.3	79.5	80.7	81.6	77.1	71.3	66.4	65.4
75	39.2	38.0	35.8	33.1	29.2	27.2	26.2	26.8	28.4	32.0	35.5	38.1	39.9	40.2	40.8	37.8	34.7	32.4	32.4
80	18.9	17.9	16.6	15.7	14.8	14.1	13.5	13.8	14.4	15.4	16.3	17.2	17.7	17.4	17.4	16.8	16.6	16.4	16.7
85	7.84	7.23	6.01	5.19	4.35	3.66	3.09	3.39	3.80	4.77	5.45	6.31	6.88	6.83	6.66	6.22	6.17	5.82	5.92
90	0.55	0.53	0.54	0.49	0.48	0.46	0.46	0.44	0.46	0.48	0.48	0.48	0.38	0.41	0.40	0.39	0.39	0.38	0.37
95	0.74	0.75	0.74	0.73	0.70	0.70	0.68	0.68	0.68	0.69	0.69	0.69	0.58	0.57	0.55	0.53	0.52	0.50	0.48
100	1.03	1.05	1.05	1.03	1.02	1.00	0.99	0.97	0.98	0.97	0.99	0.97	0.84	0.82	0.80	0.78	0.76	0.74	0.73
105	1.41	1.42	1.42	1.41	1.40	1.36	1.35	1.34	1.33	1.33	1.33	1.32	1.17	1.15	1.12	1.11	1.09	1.07	1.05
110	1.81	1.84	1.82	1.82	1.80	1.78	1.77	1.75	1.75	1.73	1.74	1.72	1.54	1.52	1.50	1.48	1.44	1.44	1.43
115	2.27	2.28	2.29	2.25	2.25	2.22	2.21	2.19	2.18	2.15	2.16	2.14	1.93	1.91	1.90	1.87	1.86	1.84	1.85
120	2.75	2.75	2.76	2.72	2.73	2.70	2.70	2.67	2.65	2.62	2.62	2.61	2.37	2.35	2.32	2.30	2.28	2.28	2.29
125	3.22	3.23	3.22	3.20	3.20	3.17	3.18	3.14	3.12	3.09	3.09	3.07	2.83	2.79	2.76	2.74	2.72	2.72	2.74
130	3.67	3.68	3.68	3.65	3.65	3.64	3.65	3.61	3.57	3.54	3.54	3.51	3.27	3.23	3.20	3.18	3.16	3.17	3.20
135	4.11	4.12	4.12	4.09	4.10	4.07	4.08	4.04	4.01	3.99	3.96	3.96	3.72	3.67	3.62	3.60	3.59	3.60	3.62
140	4.53	4.53	4.53	4.51	4.52	4.52	4.53	4.47	4.44	4.40	4.39	4.38	4.12	4.06	4.04	4.00	4.00	4.02	4.06
145	4.92	4.93	4.92	4.91	4.91	4.91	4.93	4.86	4.82	4.80	4.80	4.80	4.51	4.45	4.45	4.42	4.39	4.41	4.47
150	5.31	5.32	5.31	5.33	5.31	5.30	5.31	5.23	5.21	5.21	5.21	5.19	4.92	4.85	4.83	4.84	4.80	4.81	4.85
155	5.72	5.72	5.73	5.73	5.72	5.73	5.72	5.65	5.61	5.61	5.62	5.60	5.33	5.27	5.26	5.27	5.24	5.26	5.30
160	6.09	6.12	6.11	6.11	6.11	6.13	6.12	6.07	6.02	5.98	5.99	6.00	5.75	5.72	5.68	5.67	5.67	5.71	5.75
165	6.41	6.45	6.42	6.44	6.47	6.47	6.45	6.41	6.37	6.31	6.31	6.32	6.15	6.13	6.08	6.08	6.08	6.10	6.16
170	6.70	6.71	6.71	6.74	6.76	6.77	6.71	6.67	6.64	6.64	6.65	6.63	6.50	6.48	6.48	6.45	6.44	6.46	6.50
175	6.91	6.93	6.94	6.97	6.97	6.94	6.91	6.89	6.90	6.91	6.89	6.85	6.81	6.78	6.81	6.79	6.76	6.75	6.78
180	7.00	7.01	7.01	7.04	6.99	6.98	6.98	6.98	6.99	7.02	7.00	6.98	7.05	6.99	7.02	7.02	7.00	6.99	6.97

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

g Range: 0 - 180DEG  
 g Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.1063]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.19V I:0.1787A P:21.220W PF:0.9879 Freq:59.98Hz Lamp Flux:1944.9lx1 lm		
NAME: LED DOWN LIGHT	TYPE: 3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) g (DEG)	285	300	315	330	345														
0	931	931	931	931	931														
5	927	927	926	926	925														
10	914	914	912	911	910														
15	891	890	888	887	885														
20	855	853	851	850	846														
25	805	804	800	799	794														
30	744	743	738	736	731														
35	676	674	669	666	660														
40	601	598	593	589	582														
45	506	504	499	496	488														
50	392	393	390	388	380														
55	279	283	282	283	277														
60	185	190	192	194	191														
65	115	119	123	126	125														
70	65.2	68.6	72.3	75.5	75.1														
75	32.6	34.9	37.3	40.0	39.8														
80	16.8	17.4	18.0	19.1	19.2														
85	6.00	6.60	7.13	7.84	7.87														
90	0.38	0.39	0.41	0.40	0.46														
95	0.49	0.52	0.54	0.58	0.59														
100	0.75	0.77	0.80	0.84	0.88														
105	1.07	1.10	1.15	1.18	1.22														
110	1.45	1.49	1.53	1.57	1.61														
115	1.87	1.90	1.94	1.97	2.03														
120	2.32	2.34	2.39	2.42	2.48														
125	2.77	2.80	2.84	2.88	2.93														
130	3.23	3.24	3.28	3.34	3.38														
135	3.67	3.69	3.72	3.76	3.81														
140	4.09	4.10	4.13	4.17	4.20														
145	4.48	4.50	4.54	4.55	4.59														
150	4.87	4.88	4.94	4.93	4.96														
155	5.33	5.31	5.35	5.36	5.39														
160	5.79	5.77	5.75	5.78	5.82														
165	6.18	6.18	6.15	6.15	6.19														
170	6.55	6.54	6.54	6.51	6.52														
175	6.80	6.84	6.85	6.81	6.81														
180	6.98	7.00	7.02	7.00	6.99														

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

g Range: 0 - 180DEG  
 g Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.1063]  
 Remarks: