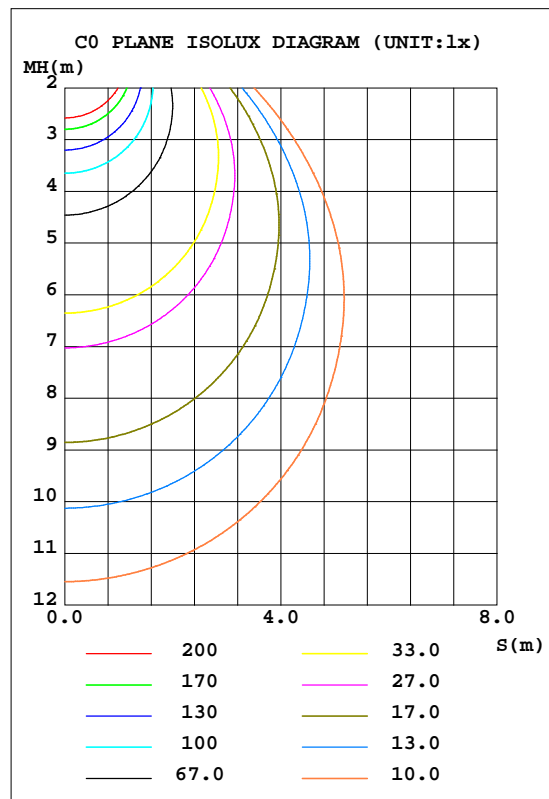
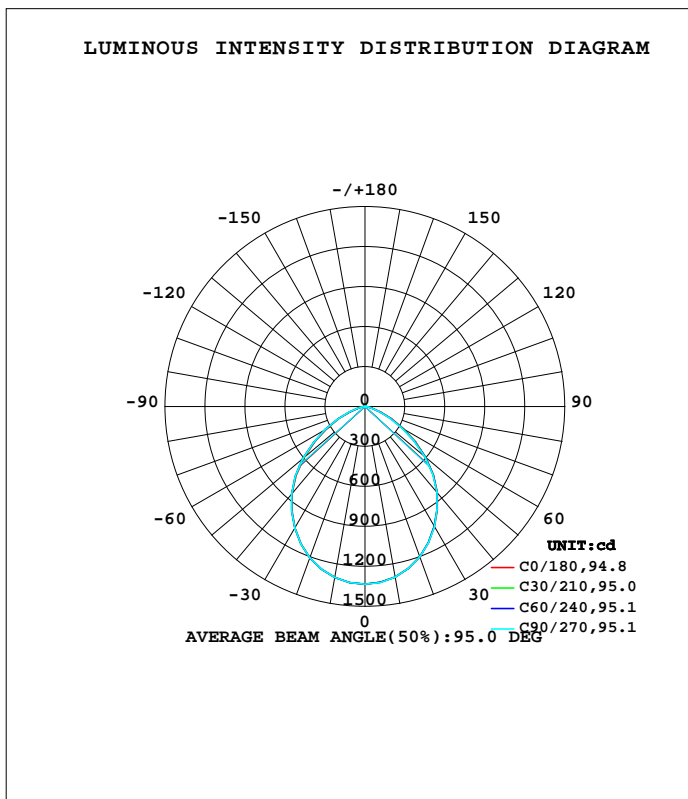


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.84V I:0.2317A P:27.470W PF:0.9893 Freq:59.98Hz Lamp Flux:2900.26x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 4000K 30W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 105.58 lm/W			
MODEL	ASD-CDL5-8AD30AC	I _{max} (cd)	1333	S/MH(C0/180)	1.18
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.18
RATED VOLTAGE(V)	100-277	TOTAL FLUX(lm)	2900.3	h UP, DN(C0-180)	0.5,49.1
NOMINAL FLUX(lm)	2900.26	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.4,50.0
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:2020-03-21

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:

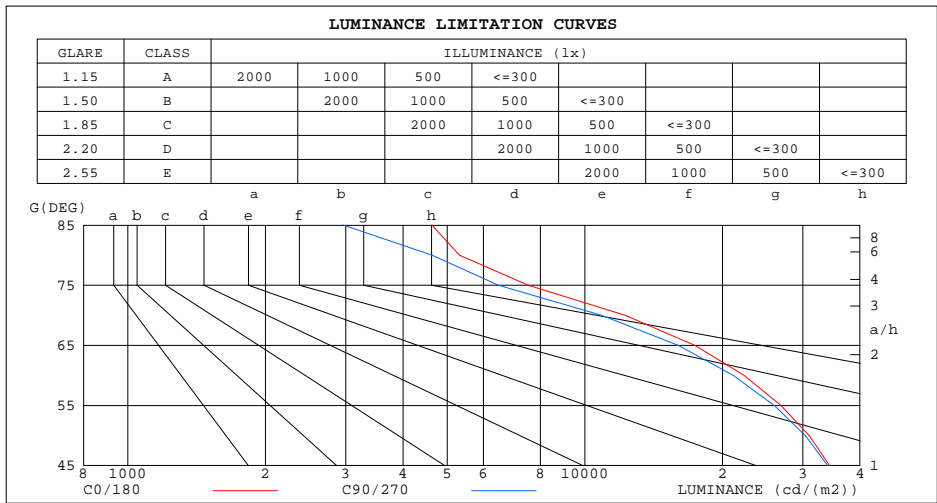
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	1300	1300	1300	1302	1303	1303	1303	1301	0- 10	125.8	125.8	4.34,4.34
20	1202	1201	1202	1207	1209	1209	1209	1205	10- 20	355.3	481.1	16.6,16.6
30	1044	1042	1043	1051	1052	1054	1055	1047	20- 30	521.6	1003	34.6,34.6
40	844.4	842.7	842.4	849.5	851.6	855.1	857.3	848.5	30- 40	594.9	1598	55.1,55.1
50	597.5	593.1	586.2	591.6	596.4	606.7	613.0	603.3	40- 50	561.2	2159	74.4,74.4
60	335.3	329.3	316.9	324.1	331.4	337.9	346.9	338.6	50- 60	414.1	2573	88.7,88.7
70	125.8	118.6	111.7	115.8	121.1	125.1	130.4	128.1	60- 70	219.3	2792	96.3,96.3
80	27.70	26.30	24.12	25.31	26.17	27.25	28.25	28.41	70- 80	68.70	2861	98.6,98.6
90	0.8478	0.8108	0.8124	0.8219	0.6679	0.6514	0.6345	0.6408	80- 90	13.26	2874	99.1,99.1
100	1.587	1.627	1.653	1.621	1.402	1.372	1.335	1.355	90-100	1.187	2875	99.1,99.1
110	2.695	2.718	2.755	2.707	2.438	2.386	2.360	2.391	100-110	2.120	2877	99.2,99.2
120	3.985	3.997	4.044	3.975	3.657	3.598	3.573	3.609	110-120	3.142	2881	99.3,99.3
130	5.281	5.276	5.318	5.232	4.882	4.833	4.825	4.861	120-130	3.965	2885	99.5,99.5
140	6.472	6.450	6.541	6.401	6.045	5.946	6.015	5.996	130-140	4.363	2889	99.6,99.6
150	7.575	7.574	7.655	7.520	7.170	7.120	7.140	7.165	140-150	4.258	2893	99.8,99.8
160	8.656	8.704	8.719	8.605	8.300	8.300	8.325	8.378	150-160	3.657	2897	99.9,99.9
170	9.522	9.536	9.563	9.470	9.281	9.275	9.333	9.359	160-170	2.535	2899	100,100
180	9.881	9.938	9.872	9.944	9.870	9.938	9.872	9.938	170-180	0.9200	2900	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:2020-03-21

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:119.84V I:0.2317A P:27.470W PF:0.9893 Freq:59.98Hz Lamp Flux:2900.26x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 4000K 30W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	4630	2960
80	5316	4629
75	7523	6477
70	12252	10885
65	17425	16030
60	22344	21125
55	26900	25998
50	30974	30399
45	34350	34031

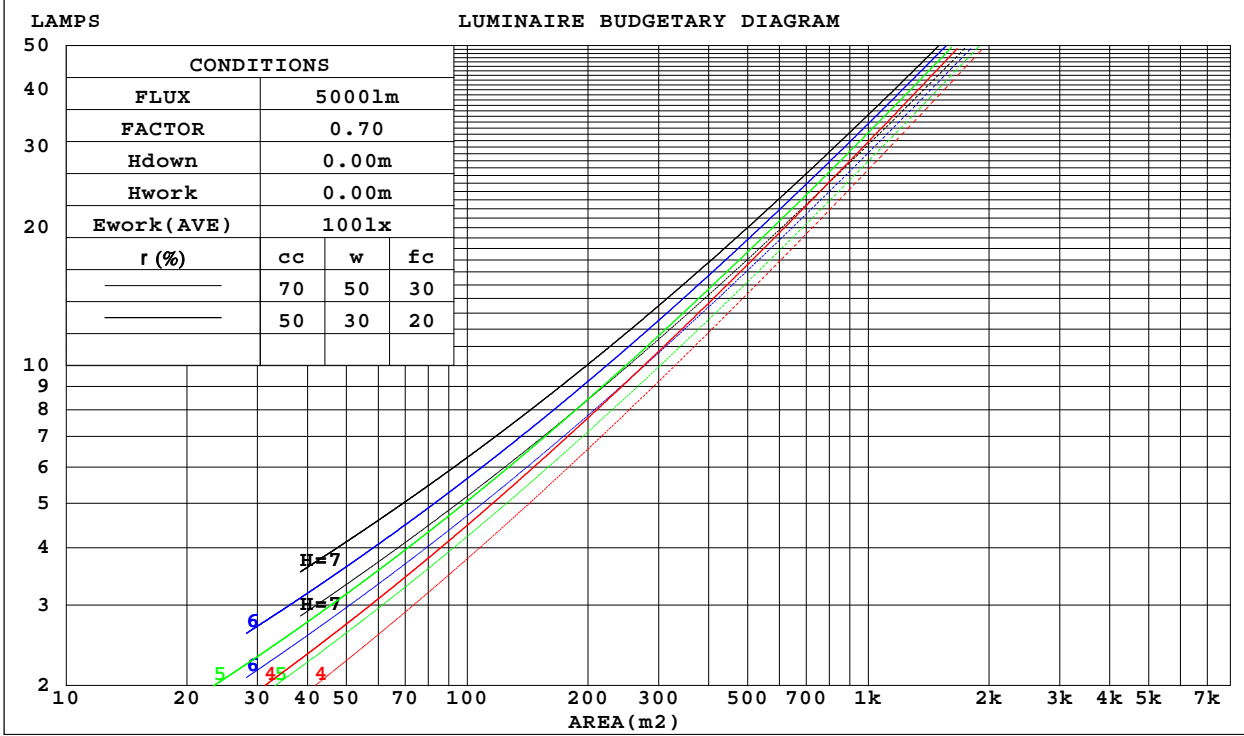
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: L
 Test Date: 2020-03-21

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:119.84V I:0.2317A P:27.470W PF:0.9893 Freq:59.98Hz Lamp Flux:2900.26x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 4000K 30W	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	.00	1.04	1.01	.98	.00	.97	.95	.96	.94	.92	.92	.91	.89	.87
2.0	.95	.89	.84	.93	.88	.83	.89	.85	.81	.86	.82	.79	.83	.80	.77	.75
3.0	.85	.77	.72	.83	.76	.71	.80	.74	.70	.77	.72	.68	.75	.71	.67	.65
4.0	.76	.68	.62	.75	.67	.62	.72	.66	.61	.70	.64	.60	.67	.63	.59	.57
5.0	.68	.60	.54	.67	.60	.54	.65	.58	.53	.63	.57	.53	.61	.56	.52	.50
6.0	.62	.54	.48	.61	.53	.48	.59	.52	.47	.58	.51	.47	.56	.51	.46	.44
7.0	.57	.48	.43	.56	.48	.43	.54	.47	.42	.53	.47	.42	.51	.46	.42	.40
8.0	.52	.44	.38	.51	.44	.38	.50	.43	.38	.49	.42	.38	.47	.42	.38	.36
9.0	.48	.40	.35	.47	.40	.35	.46	.39	.35	.45	.39	.34	.44	.38	.34	.32
10.0	.44	.37	.32	.44	.37	.32	.43	.36	.32	.42	.36	.31	.41	.35	.31	.30



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:L
 Test Date:2020-03-21

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:119.84V I:0.2317A P:27.470W PF:0.9893 Freq:59.98Hz Lamp Flux:2900.26x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 4000K 30W	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	.255	.145	.046	.248	.141	.045	.234	.134	.043	.222	.128	.041	.210	.122	.039	
2.0	.248	.136	.042	.241	.133	.041	.230	.128	.040	.219	.123	.038	.209	.118	.037	
3.0	.235	.125	.037	.229	.123	.037	.219	.119	.036	.209	.115	.035	.201	.111	.034	
4.0	.221	.115	.034	.216	.113	.033	.207	.110	.033	.198	.107	.032	.191	.104	.032	
5.0	.208	.106	.031	.203	.104	.030	.195	.102	.030	.187	.099	.029	.180	.096	.029	
6.0	.195	.098	.028	.191	.096	.028	.184	.094	.027	.177	.092	.027	.171	.090	.027	
7.0	.183	.091	.026	.180	.090	.026	.173	.088	.025	.167	.086	.025	.161	.084	.025	
8.0	.173	.084	.024	.169	.083	.024	.164	.082	.023	.158	.080	.023	.153	.078	.023	
9.0	.163	.079	.022	.160	.078	.022	.155	.077	.022	.150	.075	.021	.145	.074	.021	
10.0	.154	.074	.021	.152	.073	.020	.147	.072	.020	.142	.071	.020	.138	.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	.125	.107	.097	.087	.062	.056	.050	.020	.018	.016	
2.0	.173	.139	.110	.148	.120	.095	.102	.083	.067	.059	.048	.039	.019	.016	.013	
3.0	.165	.121	.086	.141	.104	.075	.097	.073	.052	.056	.042	.031	.018	.014	.010	
4.0	.157	.107	.070	.135	.093	.060	.093	.065	.043	.054	.038	.025	.017	.012	.008	
5.0	.150	.097	.058	.129	.084	.050	.089	.058	.035	.051	.034	.021	.017	.011	.007	
6.0	.143	.088	.049	.123	.076	.043	.085	.053	.030	.049	.031	.018	.016	.010	.006	
7.0	.137	.081	.042	.118	.070	.037	.081	.049	.026	.047	.029	.016	.015	.010	.005	
8.0	.131	.075	.037	.112	.065	.033	.078	.046	.023	.045	.027	.014	.015	.009	.005	
9.0	.125	.070	.034	.108	.061	.029	.075	.043	.021	.043	.025	.012	.014	.008	.004	
10.0	.120	.066	.031	.103	.058	.027	.072	.040	.019	.042	.024	.011	.014	.008	.004	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:L
 Test Date:2020-03-21

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:119.84V I:0.2317A P:27.470W PF:0.9893 Freq:59.98Hz Lamp Flux:2900.26x1 lm										
NAME: LED DOWN LIGHT					TYPE: DOWN LIGHT			WEIGHT:		
SPEC.: 4000K 30W					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	22.8	24.2	23.1	24.6	24.9	22.5	24.0	22.9	24.3	24.7
3H	23.5	24.8	23.9	25.1	25.5	23.2	24.5	23.6	24.8	25.2
4H	23.6	24.8	24.0	25.2	25.6	23.3	24.5	23.7	24.8	25.2
6H	23.6	24.7	24.0	25.1	25.5	23.3	24.4	23.7	24.8	25.2
8H	23.6	24.7	24.0	25.1	25.5	23.2	24.3	23.7	24.7	25.1
12H	23.6	24.6	24.0	25.0	25.5	23.2	24.2	23.7	24.6	25.1
4H 2H	23.0	24.3	23.5	24.6	25.0	22.8	24.0	23.2	24.4	24.8
3H	23.9	24.9	24.3	25.3	25.7	23.6	24.6	24.0	25.0	25.4
4H	24.0	24.9	24.5	25.3	25.8	23.7	24.6	24.1	25.0	25.5
6H	24.1	24.8	24.5	25.3	25.8	23.7	24.5	24.2	25.0	25.4
8H	24.1	24.8	24.5	25.2	25.7	23.7	24.4	24.2	24.9	25.4
12H	24.1	24.7	24.6	25.2	25.7	23.7	24.3	24.2	24.8	25.3
8H 4H	24.0	24.7	24.5	25.2	25.7	23.7	24.4	24.1	24.9	25.3
6H	24.1	24.7	24.6	25.2	25.7	23.7	24.3	24.2	24.8	25.3
8H	24.1	24.6	24.6	25.1	25.6	23.7	24.3	24.3	24.8	25.3
12H	24.1	24.6	24.6	25.1	25.7	23.7	24.2	24.2	24.7	25.3
12H 4H	24.0	24.6	24.5	25.1	25.6	23.6	24.3	24.1	24.8	25.3
6H	24.0	24.6	24.6	25.0	25.6	23.7	24.2	24.2	24.7	25.3
8H	24.1	24.5	24.6	25.0	25.6	23.7	24.2	24.2	24.7	25.3
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:2020-03-21

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:119.84V I:0.2317A P:27.470W PF:0.9893 Freq:59.98Hz Lamp Flux:2900.26x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 4000K 30W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:

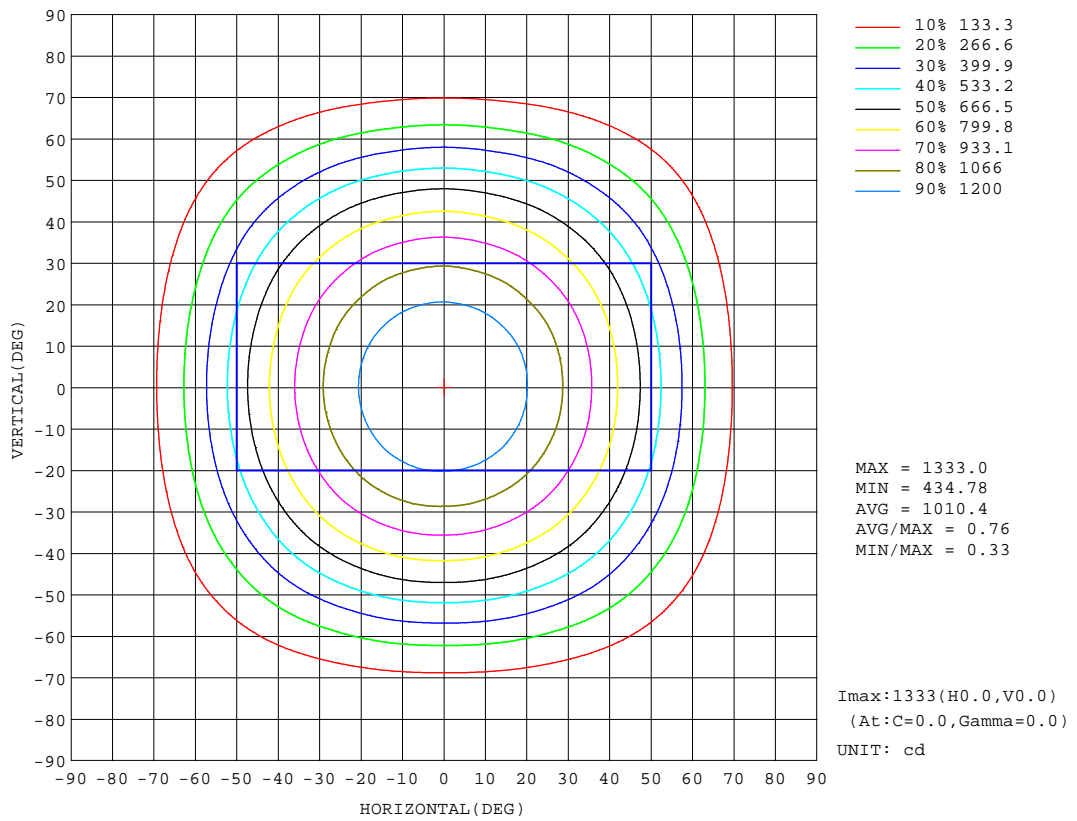
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	63	53	46	62	52	46	61	52	46	40
0.80	73	63	57	72	63	56	71	62	56	50
1.00	82	72	66	81	72	66	79	73	65	59
1.25	89	80	74	87	79	73	85	78	72	66
1.50	93	85	79	92	84	79	89	82	77	71
2.00	99	92	87	98	91	86	94	89	84	77
2.50	102	96	91	101	95	90	97	92	88	80
3.00	105	100	95	103	98	94	99	95	92	84
4.00	109	104	100	106	102	99	102	99	96	87
5.00	111	107	103	108	105	102	104	101	98	89
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: 2020-03-21

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:119.84V I:0.2317A P:27.470W PF:0.9893 Freq:59.98Hz Lamp Flux:2900.26x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 4000K 30W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:



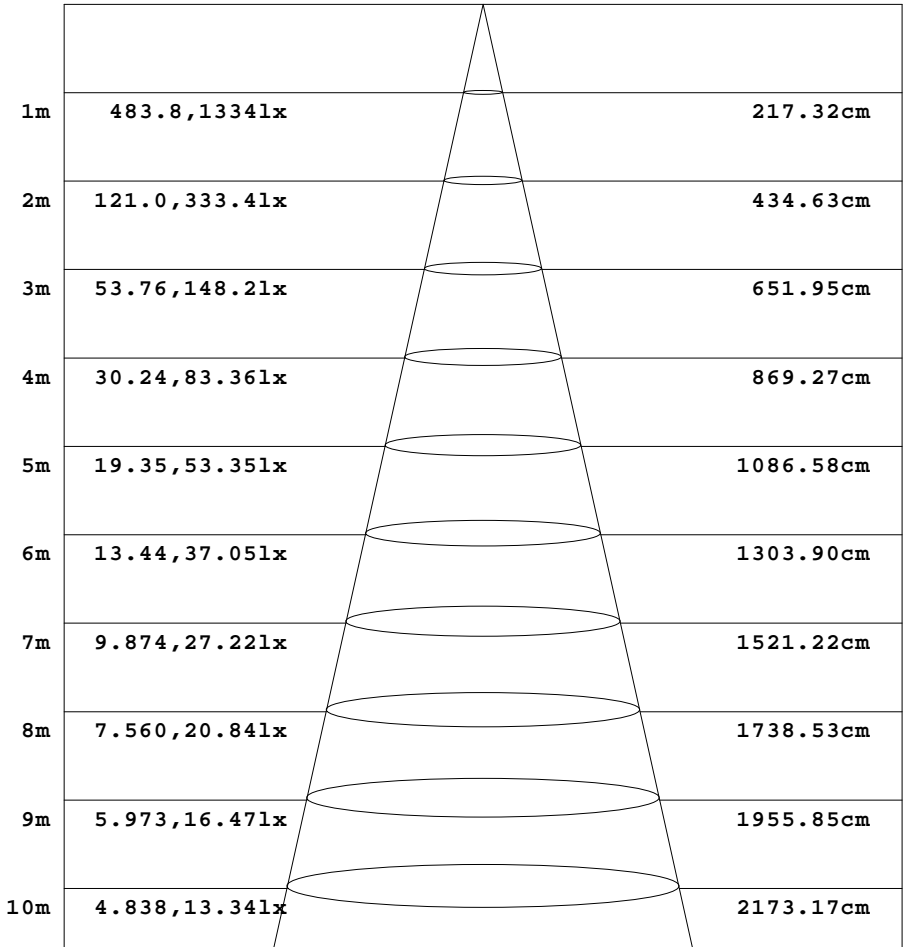
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:L
 Test Date:2020-03-21

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:119.84V I:0.2317A P:27.470W PF:0.9893 Freq:59.98Hz Lamp Flux:2900.26x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 4000K 30W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:

Flux out:2159 lm



Height Eavg, Emax Angle:94.75deg Diameter

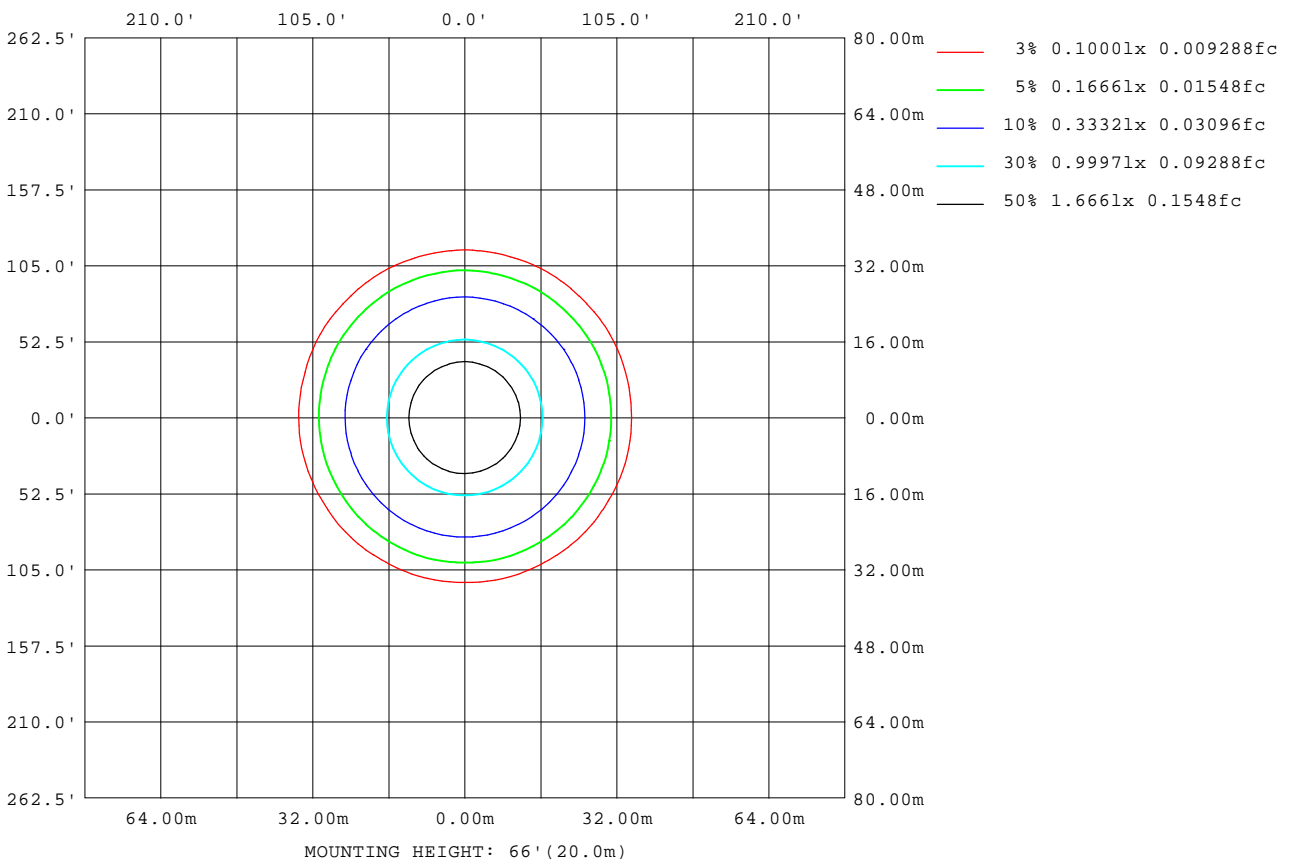
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:L
 Test Date:2020-03-21

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:119.84V I:0.2317A P:27.470W PF:0.9893 Freq:59.98Hz Lamp Flux:2900.26x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 4000K 30W	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: 2020-03-21

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:119.84V I:0.2317A P:27.470W PF:0.9893 Freq:59.98Hz Lamp Flux:2900.26x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 4000K 30W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:

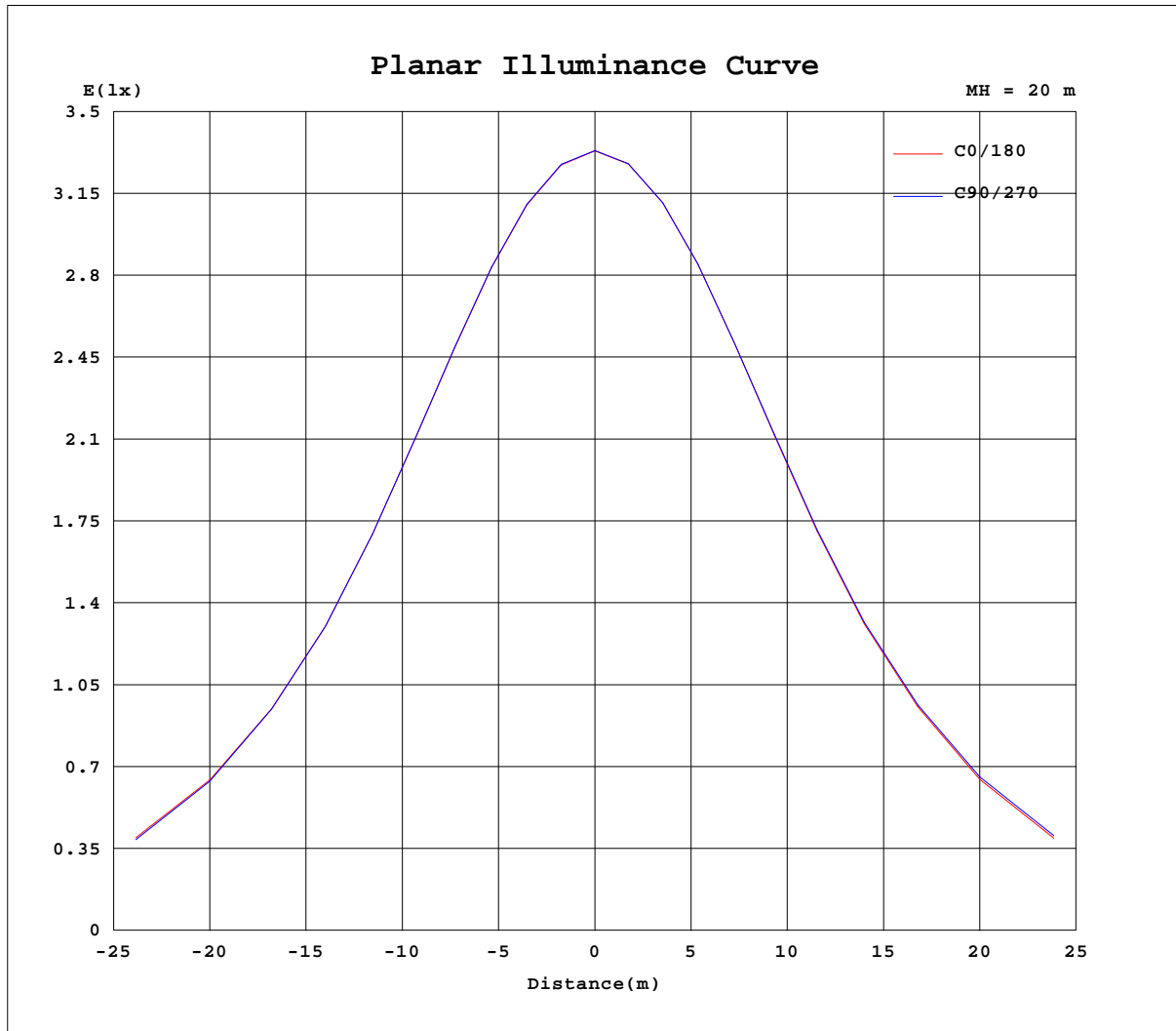
AvgL	cd/m2
L_0~180(65)av	17199
L_0~180(75)av	7294
L_0~180(85)av	4446
L_90~270(65)av	17016
L_90~270(75)av	7179
L_90~270(85)av	3617
L_45(65)av	17075
L_45(75)av	7201
L_45(85)av	4099

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:L
 Test Date:2020-03-21

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: 2020-03-21

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:119.84V I:0.2317A P:27.470W PF:0.9893 Freq:59.98Hz Lamp Flux:2900.26x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 4000K 30W	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	1333	1333	1333	1333	1333	1333	1333	1333	1333	1333	1333	1333	1333	1333	1333	1333	1333	1333	1333
5	1324	1325	1324	1325	1325	1325	1325	1326	1325	1326	1326	1326	1326	1326	1326	1326	1327	1326	1326
10	1300	1300	1299	1300	1299	1300	1300	1301	1301	1302	1302	1303	1303	1303	1304	1303	1304	1303	1303
15	1259	1259	1258	1259	1258	1259	1259	1261	1261	1263	1262	1263	1264	1264	1265	1264	1265	1263	1264
20	1202	1202	1200	1201	1201	1202	1202	1205	1205	1207	1206	1207	1209	1209	1210	1209	1210	1209	1209
25	1130	1129	1128	1129	1128	1130	1130	1134	1134	1136	1135	1136	1138	1137	1140	1138	1140	1138	1139
30	1044	1043	1041	1042	1041	1043	1043	1048	1048	1051	1049	1050	1052	1052	1055	1054	1056	1054	1055
35	947	946	944	945	944	946	946	950	950	952	951	952	955	955	958	957	959	958	959
40	844	844	841	843	841	843	842	847	847	850	847	849	852	852	856	855	858	856	857
45	729	728	725	726	723	724	722	726	725	728	726	728	731	732	738	737	742	740	743
50	598	597	593	593	589	589	586	590	589	592	589	592	596	599	606	607	611	611	613
55	463	462	458	457	452	451	447	451	450	452	451	454	459	462	469	470	475	474	477
60	335	336	329	329	322	323	317	322	319	324	321	327	331	331	339	338	345	342	347
65	221	219	214	213	208	207	203	206	205	208	208	212	215	217	221	222	226	225	228
70	126	124	120	119	115	114	112	114	113	116	116	119	121	122	125	125	128	128	130
75	58.4	57.3	55.1	54.2	52.3	51.6	50.3	51.2	51.1	52.2	52.2	53.5	54.8	55.2	57.3	57.2	59.2	59.2	61.2
80	27.7	27.4	26.7	26.3	25.3	24.8	24.1	24.5	24.7	25.3	25.5	25.9	26.2	26.5	27.1	27.2	27.7	27.8	28.3
85	12.1	11.9	10.9	10.3	9.08	8.46	7.74	8.25	8.54	9.53	9.97	10.9	11.1	11.4	11.7	11.4	11.4	11.0	11.2
90	0.85	0.81	0.82	0.81	0.81	0.82	0.81	0.82	0.81	0.82	0.83	0.81	0.67	0.69	0.67	0.65	0.64	0.63	0.63
95	1.13	1.15	1.17	1.17	1.18	1.20	1.18	1.17	1.17	1.18	1.17	1.17	0.98	0.98	0.97	0.96	0.95	0.94	0.95
100	1.59	1.59	1.61	1.63	1.64	1.64	1.65	1.63	1.63	1.62	1.62	1.62	1.40	1.39	1.38	1.37	1.36	1.34	1.33
105	2.10	2.11	2.13	2.13	2.15	2.15	2.17	2.15	2.14	2.13	2.14	2.12	1.88	1.87	1.87	1.85	1.85	1.82	1.83
110	2.70	2.69	2.72	2.72	2.74	2.75	2.75	2.73	2.73	2.71	2.72	2.70	2.44	2.42	2.39	2.39	2.37	2.37	2.36
115	3.33	3.32	3.35	3.34	3.37	3.36	3.40	3.35	3.36	3.34	3.34	3.32	3.03	3.01	2.98	2.99	2.97	2.97	2.96
120	3.99	3.98	4.00	4.00	4.02	4.01	4.04	3.99	4.00	3.98	3.98	3.96	3.66	3.64	3.59	3.60	3.58	3.58	3.57
125	4.63	4.63	4.66	4.64	4.67	4.65	4.68	4.63	4.62	4.61	4.62	4.60	4.26	4.25	4.21	4.22	4.20	4.20	4.21
130	5.28	5.28	5.28	5.28	5.28	5.28	5.32	5.24	5.24	5.23	5.24	5.24	4.88	4.87	4.82	4.83	4.81	4.81	4.82
135	5.89	5.88	5.87	5.88	5.88	5.90	5.94	5.87	5.84	5.82	5.83	5.84	5.48	5.46	5.40	5.39	5.39	5.41	5.43
140	6.47	6.48	6.47	6.45	6.47	6.49	6.54	6.45	6.42	6.40	6.42	6.43	6.04	6.01	5.99	5.95	5.93	5.97	6.02
145	7.05	7.05	7.05	7.03	7.07	7.07	7.11	7.03	7.00	6.97	6.98	7.00	6.61	6.58	6.55	6.51	6.50	6.51	6.57
150	7.58	7.57	7.59	7.57	7.62	7.62	7.66	7.58	7.55	7.52	7.54	7.52	7.17	7.13	7.14	7.12	7.09	7.09	7.14
155	8.13	8.10	8.15	8.15	8.18	8.19	8.21	8.12	8.09	8.08	8.10	8.06	7.73	7.69	7.70	7.72	7.68	7.70	7.72
160	8.66	8.67	8.67	8.70	8.72	8.72	8.72	8.64	8.62	8.61	8.61	8.60	8.30	8.30	8.28	8.30	8.30	8.29	8.32
165	9.14	9.15	9.13	9.17	9.20	9.22	9.20	9.13	9.12	9.08	9.08	9.08	8.85	8.85	8.80	8.81	8.83	8.87	8.89
170	9.52	9.49	9.52	9.54	9.59	9.60	9.56	9.51	9.48	9.47	9.50	9.47	9.28	9.30	9.29	9.28	9.26	9.30	9.33
175	9.78	9.76	9.80	9.86	9.89	9.84	9.80	9.78	9.78	9.81	9.78	9.74	9.62	9.64	9.67	9.67	9.65	9.63	9.64
180	9.88	9.88	9.91	9.94	9.90	9.87	9.87	9.87	9.90	9.94	9.92	9.90	9.87	9.88	9.91	9.94	9.90	9.87	9.87

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:L
 Test Date:2020-03-21

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:119.84V I:0.2317A P:27.470W PF:0.9893 Freq:59.98Hz Lamp Flux:2900.26x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 4000K 30W	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	1333	1333	1333	1333	1333														
5	1325	1326	1325	1325	1325														
10	1302	1301	1301	1301	1300														
15	1262	1262	1260	1261	1260														
20	1206	1206	1205	1205	1204														
25	1135	1135	1133	1134	1132														
30	1050	1050	1047	1049	1046														
35	954	954	951	952	949														
40	852	851	848	850	847														
45	737	736	733	734	731														
50	608	607	603	604	601														
55	472	472	468	470	466														
60	341	344	339	343	338														
65	225	226	224	226	223														
70	128	129	128	130	128														
75	60.0	61.0	60.1	61.0	59.5														
80	28.1	28.5	28.4	28.6	28.1														
85	10.9	11.4	11.6	12.3	12.2														
90	0.62	0.64	0.64	0.67	0.72														
95	0.94	0.93	0.93	0.95	0.95														
100	1.35	1.34	1.36	1.36	1.37														
105	1.82	1.84	1.83	1.85	1.85														
110	2.37	2.37	2.39	2.37	2.40														
115	2.98	2.97	2.98	2.98	3.01														
120	3.59	3.58	3.61	3.60	3.64														
125	4.22	4.21	4.25	4.23	4.26														
130	4.84	4.83	4.86	4.85	4.89														
135	5.45	5.42	5.45	5.45	5.49														
140	6.02	5.99	6.00	6.02	6.06														
145	6.58	6.56	6.56	6.59	6.61														
150	7.17	7.15	7.16	7.17	7.17														
155	7.77	7.75	7.77	7.74	7.73														
160	8.37	8.36	8.38	8.35	8.33														
165	8.96	8.94	8.90	8.84	8.88														
170	9.39	9.37	9.36	9.32	9.32														
175	9.68	9.72	9.74	9.71	9.69														
180	9.87	9.90	9.94	9.92	9.90														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:L
 Test Date:2020-03-21

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: