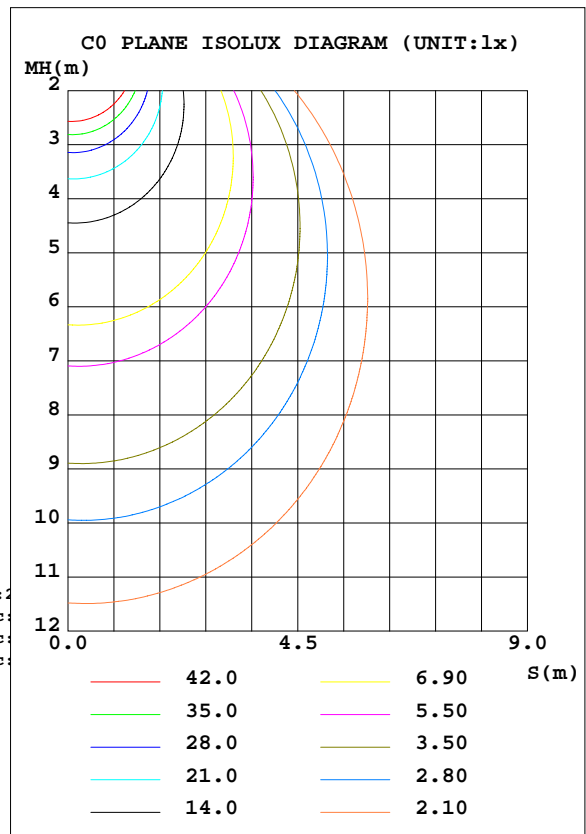
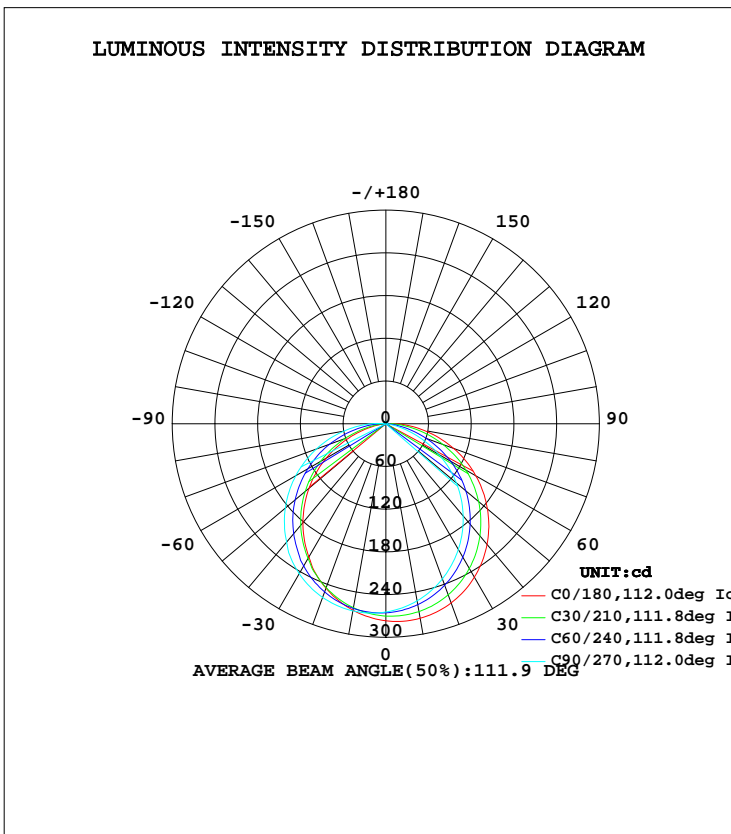


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.1332A P:14.62W PF:0.9149 Lamp Flux:1061x1 lm		
NAME: ASD-MPR-7D15CC-WH/BK 3000k	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 72.58 lm/W			
MODEL	ASD-MPR-7D15CC-WH/BK	I _{max} (cd)	278.5	S/MH(C0/180)	1.17
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	1.36
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1061	η UP, DN(C0-180)	1.0,43.5
NOMINAL FLUX(lm)	1061	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.4,54.1
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	97.6	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	277.4	263.0	252.5	251.3	266.0	262.0	266.9	268.9	0- 10	25.26	25.26	3.19,3.19
20	267.9	249.1	232.0	229.1	245.8	247.1	259.6	263.3	10- 20	72.33	97.59	12.3,12.3
30	248.8	226.6	203.6	198.5	216.4	223.6	243.2	248.3	20- 30	109.5	207.1	26.2,26.2
40	221.3	195.3	169.2	163.1	181.3	192.7	217.0	224.4	30- 40	131.8	338.9	42.8,42.8
50	186.4	159.1	129.5	122.9	140.9	156.1	184.4	192.8	40- 50	136.6	475.5	60.1,60.1
60	145.8	118.3	85.64	79.43	96.97	115.0	146.3	155.4	50- 60	123.5	599.0	75.7,75.7
70	101.3	74.57	42.17	36.18	51.22	70.63	103.8	113.3	60- 70	94.66	693.6	87.6,87.6
80	54.99	32.10	7.811	4.187	13.25	28.78	60.07	67.90	70- 80	56.22	749.9	94.7,94.7
90	15.37	2.428	2.214	2.199	2.677	2.590	20.32	25.95	80- 90	22.38	772.2	97.6,97.6
100	2.222	2.241	2.238	2.295	2.746	2.619	2.553	2.546	90-100	5.423	777.7	98.2,98.2
110	2.307	2.292	2.318	2.369	2.819	2.669	2.607	2.603	100-110	2.600	780.3	98.6,98.6
120	2.399	2.376	2.430	2.473	2.885	2.723	2.665	2.669	110-120	2.511	782.8	98.9,98.9
130	2.511	2.469	2.584	2.604	2.973	2.777	2.731	2.734	120-130	2.351	785.1	99.2,99.2
140	2.653	2.654	2.730	2.789	3.050	2.858	2.800	2.804	130-140	2.110	787.2	99.4,99.4
150	2.838	2.800	2.911	2.939	3.139	2.946	2.900	2.904	140-150	1.789	789.0	99.7,99.7
160	3.050	3.008	3.062	3.093	3.243	3.050	3.016	3.031	150-160	1.381	790.4	99.8,99.8
170	3.223	3.150	3.177	3.204	3.324	3.162	3.139	3.150	160-170	0.8842	791.3	100,100
180	3.351	3.250	3.224	3.243	3.385	3.227	3.227	3.250	170-180	0.3068	791.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

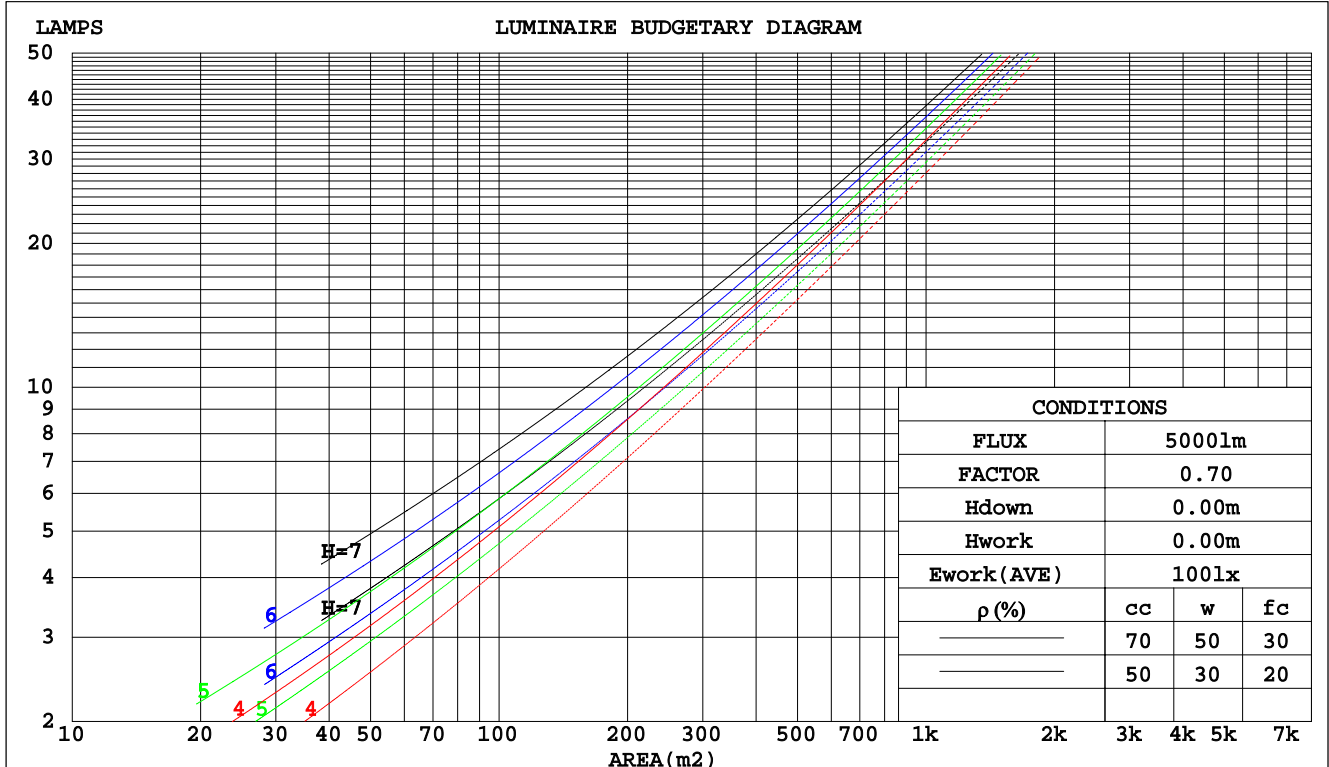
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:7.500m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.1332A P:14.62W PF:0.9149 Lamp Flux:1061x1 lm		
NAME: ASD-MPR-7D15CC-WH/BK 3000k	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.05	1.05	1.05	.00	.00	.00	.98
1.0	1.03	.98	.94	1.00	.96	.93	.96	.92	.89	.91	.88	.86	.87	.85	.83	.81
2.0	.89	.82	.76	.87	.81	.75	.83	.78	.73	.80	.75	.71	.76	.73	.69	.67
3.0	.78	.70	.63	.77	.69	.63	.73	.67	.61	.70	.65	.60	.67	.63	.59	.56
4.0	.69	.60	.54	.68	.60	.53	.65	.58	.52	.62	.56	.51	.60	.55	.50	.48
5.0	.62	.53	.46	.61	.52	.46	.58	.51	.45	.56	.49	.44	.54	.48	.44	.41
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.39	.51	.44	.39	.49	.43	.38	.36
7.0	.50	.42	.35	.50	.41	.35	.48	.40	.35	.46	.39	.34	.45	.39	.34	.32
8.0	.46	.37	.32	.45	.37	.31	.44	.36	.31	.42	.36	.31	.41	.35	.30	.28
9.0	.42	.34	.28	.42	.34	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.26
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 7.500m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.1332A P:14.62W PF:0.9149 Lamp Flux:1061x1 lm		
NAME: ASD-MPR-7D15CC-WH/BK 3000k	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.320	.182	.058	.312	.178	.057	.297	.171	.054	.284	.164	.053	.271	.157	.051	
2.0	.297	.163	.050	.290	.160	.049	.277	.154	.048	.265	.148	.046	.253	.143	.045	
3.0	.273	.145	.043	.267	.143	.043	.255	.138	.042	.244	.134	.041	.234	.130	.040	
4.0	.251	.130	.038	.245	.128	.038	.235	.125	.037	.225	.121	.037	.217	.118	.036	
5.0	.231	.118	.034	.226	.116	.034	.217	.113	.033	.209	.110	.033	.201	.107	.032	
6.0	.214	.107	.031	.210	.106	.031	.202	.103	.030	.194	.101	.030	.187	.098	.029	
7.0	.199	.098	.028	.195	.097	.028	.188	.095	.027	.181	.093	.027	.174	.091	.027	
8.0	.186	.091	.026	.182	.090	.025	.176	.088	.025	.169	.086	.025	.164	.084	.024	
9.0	.174	.084	.024	.171	.083	.023	.165	.082	.023	.159	.080	.023	.154	.078	.023	
10.0	.164	.078	.022	.161	.078	.022	.155	.076	.021	.150	.075	.021	.145	.073	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.209	.209	.209	.179	.179	.179	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.200	.175	.152	.171	.150	.131	.117	.103	.091	.067	.060	.053	.022	.019	.017	
2.0	.192	.151	.116	.164	.130	.101	.113	.090	.070	.065	.052	.041	.021	.017	.013	
3.0	.184	.133	.093	.158	.115	.081	.108	.080	.057	.063	.047	.033	.020	.015	.011	
4.0	.176	.120	.077	.151	.104	.067	.104	.072	.047	.060	.042	.028	.019	.014	.009	
5.0	.169	.110	.066	.145	.095	.058	.100	.066	.041	.058	.039	.024	.019	.013	.008	
6.0	.162	.101	.058	.139	.088	.051	.096	.062	.036	.056	.036	.021	.018	.012	.007	
7.0	.155	.095	.052	.133	.082	.046	.092	.057	.032	.053	.034	.019	.017	.011	.006	
8.0	.148	.089	.048	.128	.077	.042	.088	.054	.030	.051	.032	.018	.017	.010	.006	
9.0	.142	.084	.045	.123	.073	.039	.085	.051	.028	.049	.030	.016	.016	.010	.005	
10.0	.137	.080	.042	.118	.069	.036	.082	.049	.026	.048	.029	.015	.015	.009	.005	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.1332A P:14.62W PF:0.9149 Lamp Flux:1061x1 lm										
NAME: ASD-MPR-7D15CC-WH/BK 3000k						TYPE:LED			WEIGHT:	
SPEC.:						DIM.:			SERIAL No.:	
MFR.: ASD Lighting corp						SUR.:			PROTECTION 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	16.7	18.2	17.0	18.4	18.7	14.7	16.2	15.0	16.4	16.7
3H	18.6	20.0	18.9	20.2	20.5	15.7	17.0	16.0	17.3	17.6
4H	19.4	20.7	19.8	21.0	21.4	15.9	17.2	16.2	17.5	17.8
6H	20.2	21.4	20.6	21.7	22.1	15.9	17.2	16.3	17.5	17.8
8H	20.5	21.7	20.9	22.0	22.4	15.9	17.1	16.3	17.4	17.8
12H	20.8	22.0	21.2	22.3	22.7	15.8	17.0	16.2	17.3	17.7
4H 2H	17.1	18.4	17.5	18.7	19.0	15.6	16.9	15.9	17.2	17.5
3H	19.2	20.3	19.6	20.7	21.0	16.7	17.9	17.1	18.2	18.6
4H	20.2	21.3	20.6	21.6	22.0	17.1	18.1	17.5	18.5	18.9
6H	21.1	22.1	21.6	22.5	22.9	17.2	18.1	17.6	18.5	19.0
8H	21.5	22.4	22.0	22.8	23.3	17.2	18.1	17.6	18.5	18.9
12H	21.9	22.7	22.4	23.2	23.6	17.1	18.0	17.6	18.4	18.8
8H 4H	20.3	21.2	20.8	21.6	22.1	17.6	18.5	18.1	18.9	19.3
6H	21.4	22.2	21.9	22.6	23.1	17.9	18.6	18.3	19.0	19.5
8H	22.0	22.6	22.5	23.1	23.6	17.9	18.5	18.4	19.0	19.5
12H	22.5	23.1	23.0	23.6	24.1	17.9	18.4	18.4	18.9	19.4
12H 4H	20.3	21.1	20.8	21.5	22.0	17.7	18.5	18.2	18.9	19.4
6H	21.4	22.1	21.9	22.6	23.1	18.0	18.7	18.5	19.2	19.7
8H	22.0	22.6	22.5	23.1	23.6	18.1	18.7	18.6	19.2	19.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.2 / - 0.3				
1.5H	+ 0.1 / - 0.2					+ 0.3 / - 0.5				
2.0H	+ 0.2 / - 0.3					+ 0.3 / - 0.6				

CIE Pub.117 Corrected 791.6 lm Total Lamp Luminous Flux. (8log(F/F0) = -0.8)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.1332A P:14.62W PF:0.9149 Lamp Flux:1061x1 lm		
NAME: ASD-MPR-7D15CC-WH/BK 3000k	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

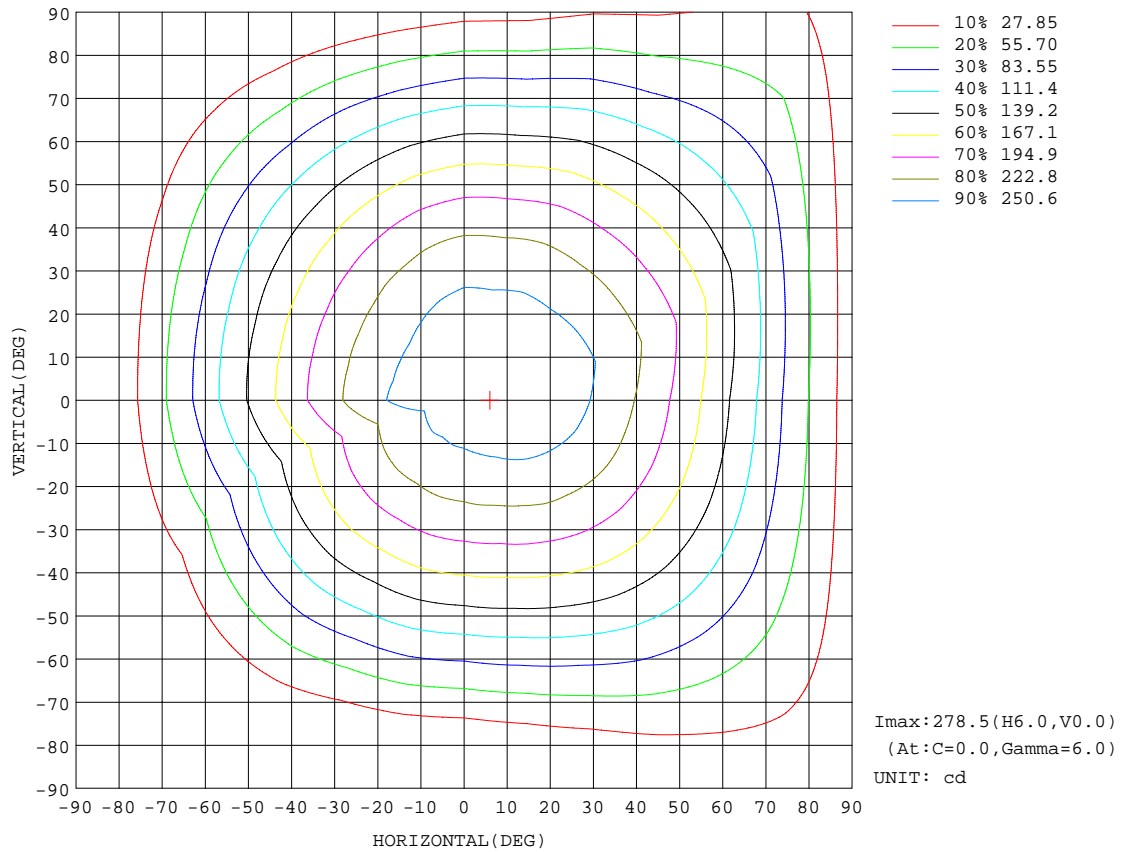
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	45	38	56	44	38	54	44	37	31
0.80	66	55	47	65	54	47	63	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	77	69	85	76	69	82	74	68	60
2.00	94	85	78	92	83	77	88	81	75	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	102	97	93	98	93	90	80
5.00	107	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: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.1332A P:14.62W PF:0.9149 Lamp Flux:1061x1 lm		
NAME: ASD-MPR-7D15CC-WH/BK 3000k	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

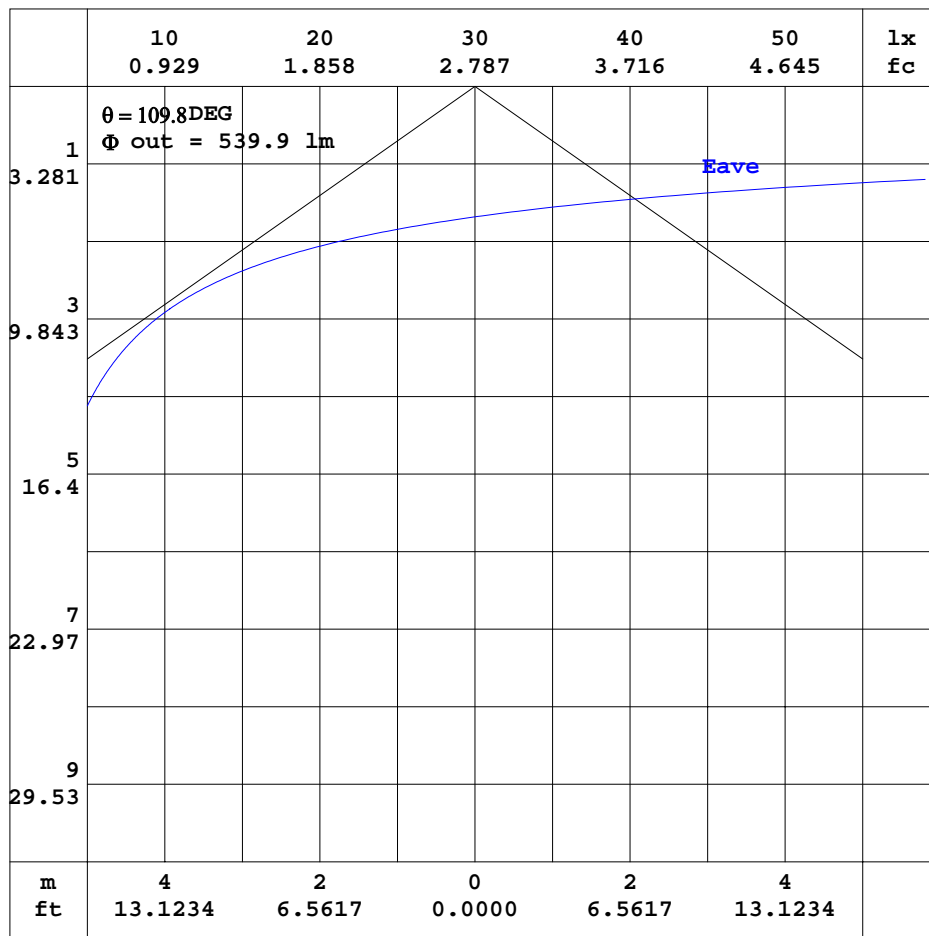


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 7.500m [K=1.0000]
 Remarks:

AAI CURVES

Test:U:120.0V I:0.1332A P:14.62W PF:0.9149 Lamp Flux:1061x1 lm		
NAME: ASD-MPR-7D15CC-WH/BK 3000k	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:



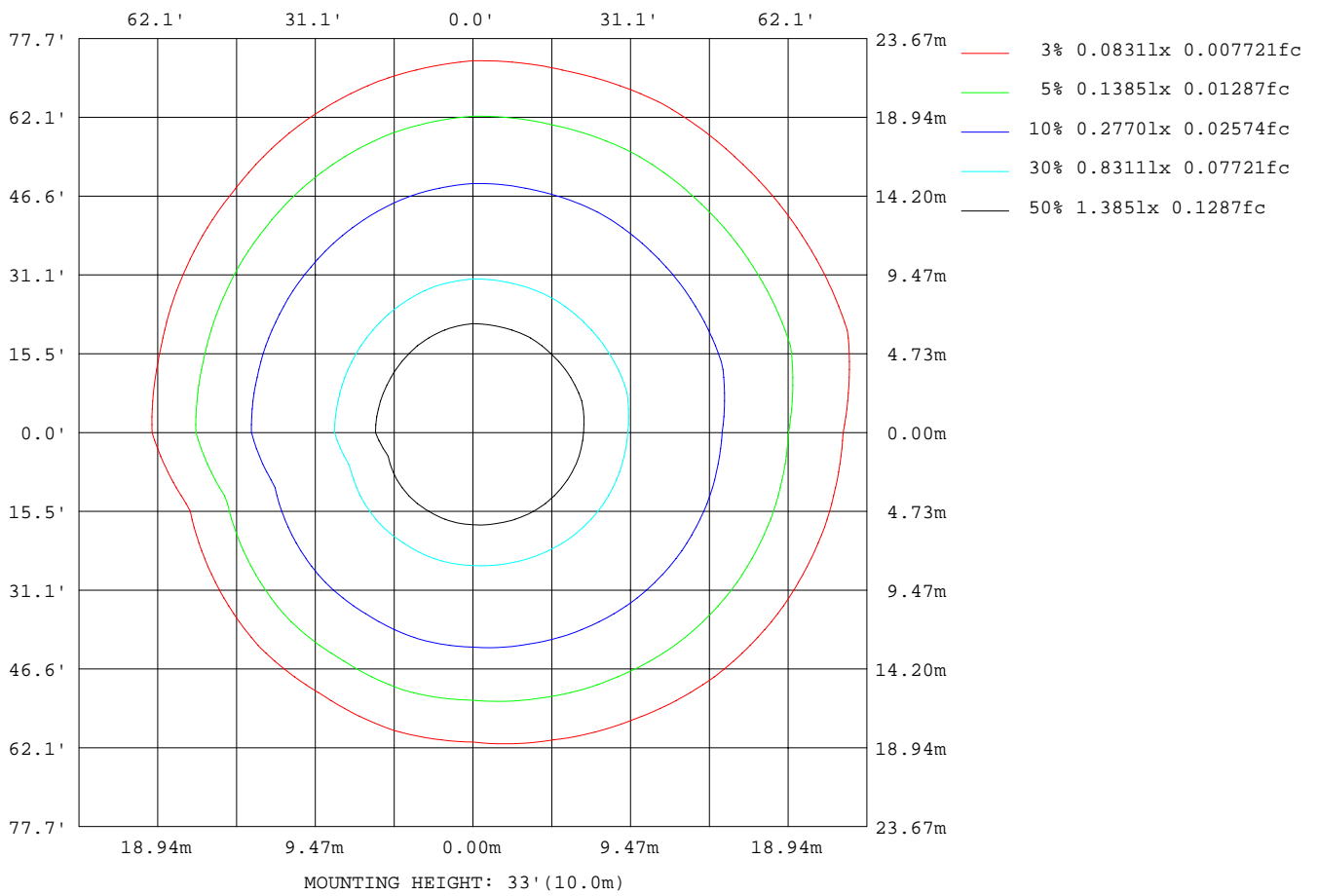
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.1332A P:14.62W PF:0.9149 Lamp Flux:1061x1 lm		
NAME: ASD-MPR-7D15CC-WH/BK 3000k	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 7.500m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.0V I:0.1332A P:14.62W PF:0.9149 Lamp Flux:1061x1 lm		
NAME: ASD-MPR-7D15CC-WH/BK 3000k	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

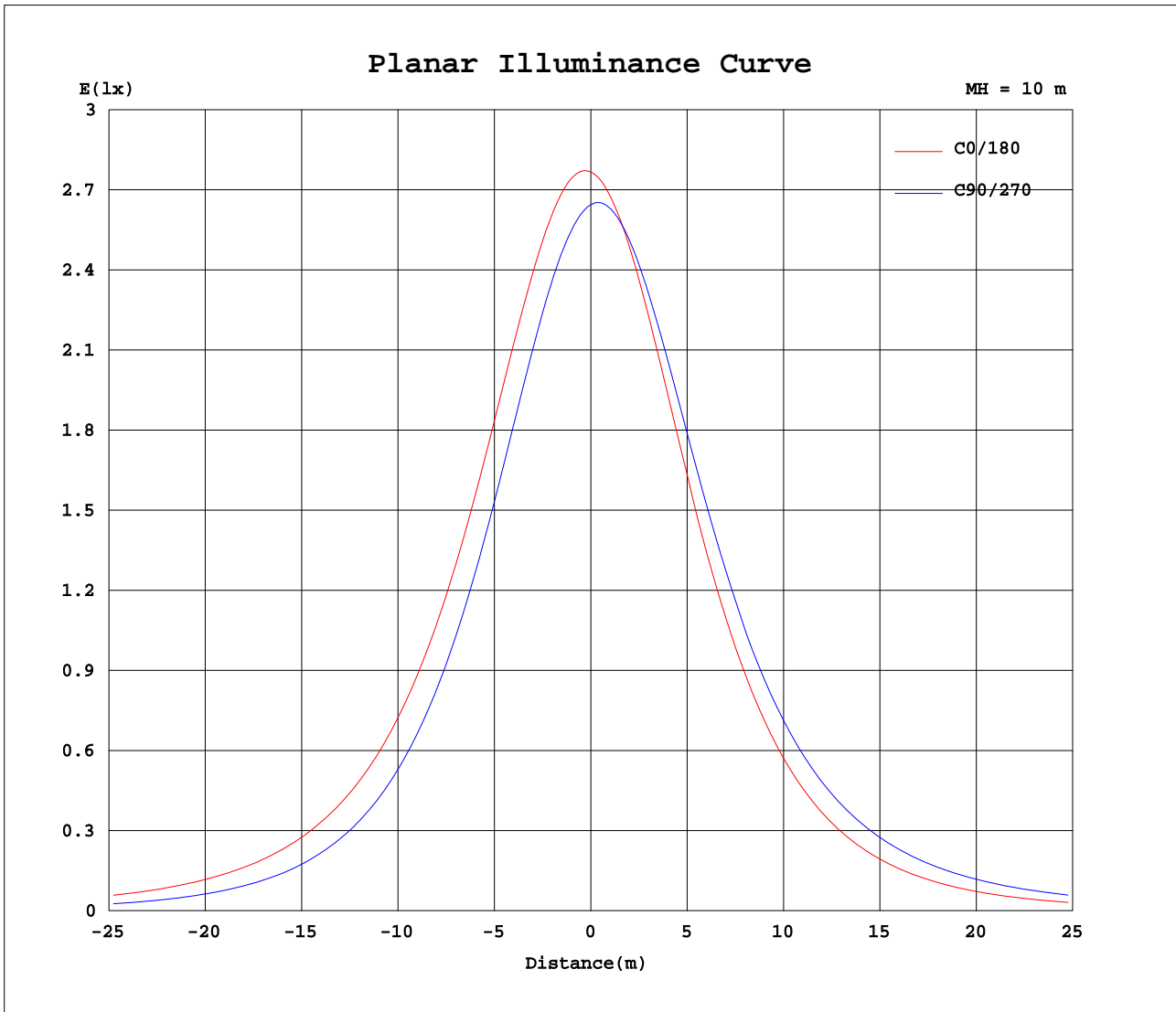
AvgL	cd/m2
L_0~180(65)av	2344
L_0~180(75)av	2095
L_0~180(85)av	2079
L_90~270(65)av	2238
L_90~270(75)av	2033
L_90~270(85)av	2352
L_45(65)av	2257
L_45(75)av	2027
L_45(85)av	2152

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:7.500m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 7.500m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1332A P:14.62W PF:0.9149 Lamp Flux:1061x1 lm		
NAME: ASD-MPR-7D15CC-WH/BK 3000k	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	277	273	270	267	266	265	264	264	264	265	265	265	277	273	270	267	266	265	264
5	278	274	270	267	263	261	260	259	258	259	259	259	272	269	267	266	266	266	267
10	277	273	268	263	258	255	252	252	250	251	250	250	266	263	262	262	263	265	267
15	274	269	263	257	251	247	243	243	240	241	240	239	257	255	255	256	259	262	264
20	268	262	256	249	241	236	232	231	228	229	227	225	246	244	245	247	252	256	260
25	260	254	246	239	230	223	219	217	214	214	213	210	233	231	233	236	242	248	252
30	249	243	235	227	216	208	204	202	199	199	197	193	216	216	219	224	231	238	243
35	236	230	221	211	201	192	187	185	182	181	179	175	200	200	203	209	217	226	232
40	221	214	206	195	184	175	169	167	163	163	160	156	181	182	186	193	201	211	217
45	205	197	189	178	166	156	150	148	144	143	140	136	162	163	168	175	185	195	201
50	186	179	170	159	147	136	129	128	123	123	120	115	141	143	148	156	166	177	184
55	167	160	150	139	126	115	108	106	101	101	97.2	93.3	119	121	127	136	147	158	166
60	146	139	130	118	105	93.6	85.6	84.5	79.2	79.4	75.0	71.0	97.0	98.8	106	115	127	138	146
65	124	118	108	96.8	82.6	71.5	63.7	62.3	57.2	57.2	53.1	49.0	73.9	76.3	83.8	92.8	106	117	125
70	101	95.3	85.4	74.6	60.5	49.7	42.2	40.9	36.1	36.2	32.3	28.8	51.2	53.9	61.4	70.6	84.1	95.1	104
75	77.9	72.5	63.1	52.6	39.5	29.6	23.1	21.9	17.8	18.0	14.9	12.1	30.5	33.0	40.1	48.8	62.1	73.1	82.2
80	55.0	50.0	41.5	32.1	20.9	12.8	7.81	6.86	4.13	4.19	2.53	2.13	13.2	15.4	21.3	28.8	40.8	51.4	60.1
85	33.6	29.4	22.4	14.8	6.39	2.20	2.20	2.17	2.17	2.16	2.16	2.17	2.65	2.83	6.54	12.2	21.7	31.1	38.8
90	15.4	12.3	7.22	2.43	2.20	2.21	2.21	2.20	2.20	2.20	2.21	2.22	2.68	2.63	2.61	2.59	6.91	14.0	20.3
95	2.39	2.19	2.20	2.21	2.23	2.24	2.24	2.23	2.24	2.25	2.26	2.27	2.71	2.66	2.63	2.61	2.58	2.60	5.84
100	2.22	2.23	2.23	2.24	2.25	2.26	2.24	2.25	2.27	2.30	2.31	2.33	2.75	2.69	2.66	2.62	2.60	2.57	2.55
105	2.26	2.26	2.26	2.26	2.26	2.27	2.27	2.28	2.30	2.33	2.36	2.38	2.78	2.73	2.68	2.64	2.62	2.59	2.58
110	2.31	2.31	2.30	2.29	2.29	2.31	2.32	2.32	2.34	2.37	2.40	2.44	2.82	2.75	2.72	2.67	2.64	2.62	2.61
115	2.35	2.35	2.33	2.33	2.33	2.35	2.38	2.37	2.39	2.41	2.44	2.49	2.85	2.79	2.75	2.70	2.67	2.65	2.63
120	2.40	2.40	2.40	2.38	2.38	2.40	2.43	2.43	2.45	2.47	2.50	2.55	2.88	2.82	2.77	2.72	2.69	2.68	2.67
125	2.45	2.45	2.44	2.43	2.44	2.46	2.50	2.49	2.51	2.53	2.59	2.63	2.92	2.86	2.80	2.75	2.72	2.70	2.70
130	2.51	2.51	2.49	2.47	2.49	2.54	2.58	2.57	2.59	2.60	2.67	2.72	2.97	2.90	2.83	2.78	2.74	2.72	2.73
135	2.58	2.56	2.53	2.55	2.56	2.61	2.66	2.64	2.68	2.70	2.74	2.79	3.02	2.94	2.88	2.82	2.77	2.76	2.77
140	2.65	2.63	2.61	2.65	2.65	2.69	2.73	2.74	2.76	2.79	2.82	2.86	3.05	2.97	2.92	2.86	2.81	2.80	2.80
145	2.75	2.74	2.71	2.70	2.73	2.80	2.84	2.82	2.85	2.87	2.90	2.95	3.09	3.00	2.97	2.90	2.86	2.84	2.85
150	2.84	2.82	2.78	2.80	2.83	2.90	2.91	2.91	2.92	2.94	2.98	3.03	3.14	3.05	3.01	2.95	2.90	2.90	2.90
155	2.94	2.92	2.88	2.90	2.94	2.96	2.99	2.98	3.00	3.02	3.05	3.09	3.19	3.10	3.06	3.00	2.96	2.95	2.96
160	3.05	3.02	2.99	3.01	3.01	3.04	3.06	3.06	3.07	3.09	3.13	3.17	3.24	3.15	3.13	3.05	3.02	3.02	3.02
165	3.14	3.12	3.08	3.08	3.08	3.12	3.13	3.13	3.14	3.16	3.19	3.22	3.29	3.22	3.18	3.10	3.08	3.07	3.08
170	3.22	3.21	3.15	3.15	3.13	3.17	3.18	3.17	3.19	3.20	3.22	3.26	3.32	3.25	3.22	3.16	3.14	3.13	3.14
175	3.30	3.27	3.21	3.20	3.18	3.20	3.22	3.22	3.22	3.24	3.26	3.27	3.37	3.28	3.26	3.20	3.19	3.18	3.19
180	3.35	3.32	3.27	3.25	3.22	3.23	3.22	3.22	3.22	3.24	3.26	3.27	3.39	3.30	3.28	3.23	3.22	3.22	3.23

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1332A P:14.62W PF:0.9149 Lamp Flux:1061x1 lm		
NAME: ASD-MPR-7D15CC-WH/BK 3000k	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	264	264	265	265	265														
5	266	267	268	269	269														
10	267	268	269	270	271														
15	264	266	267	269	271														
20	260	262	263	265	267														
25	253	256	257	259	262														
30	244	248	248	251	254														
35	232	237	237	241	243														
40	219	224	224	228	231														
45	204	208	209	212	217														
50	187	192	193	196	200														
55	168	174	175	178	183														
60	148	154	155	159	164														
65	128	134	135	138	143														
70	106	112	113	117	122														
75	83.3	90.5	90.5	95.1	99.3														
80	61.2	68.1	67.9	72.5	76.8														
85	39.9	46.2	45.9	50.1	54.2														
90	21.1	26.5	25.9	29.6	33.1														
95	6.42	10.2	9.79	12.1	14.9														
100	2.55	2.54	2.55	2.54	2.67														
105	2.57	2.56	2.57	2.56	2.56														
110	2.60	2.60	2.60	2.60	2.60														
115	2.63	2.63	2.63	2.63	2.63														
120	2.66	2.66	2.67	2.67	2.67														
125	2.69	2.69	2.70	2.72	2.70														
130	2.72	2.72	2.73	2.75	2.74														
135	2.76	2.76	2.77	2.77	2.78														
140	2.80	2.79	2.80	2.81	2.82														
145	2.84	2.84	2.85	2.86	2.87														
150	2.90	2.89	2.90	2.90	2.92														
155	2.96	2.95	2.96	2.97	2.98														
160	3.01	3.01	3.03	3.04	3.05														
165	3.07	3.08	3.10	3.10	3.13														
170	3.13	3.15	3.15	3.16	3.18														
175	3.18	3.19	3.20	3.21	3.25														
180	3.22	3.24	3.25	3.26	3.28														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks: