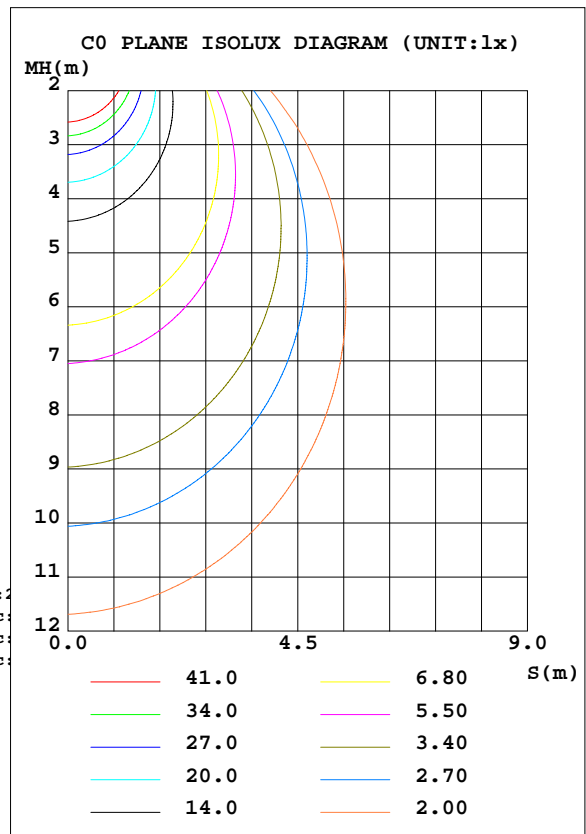
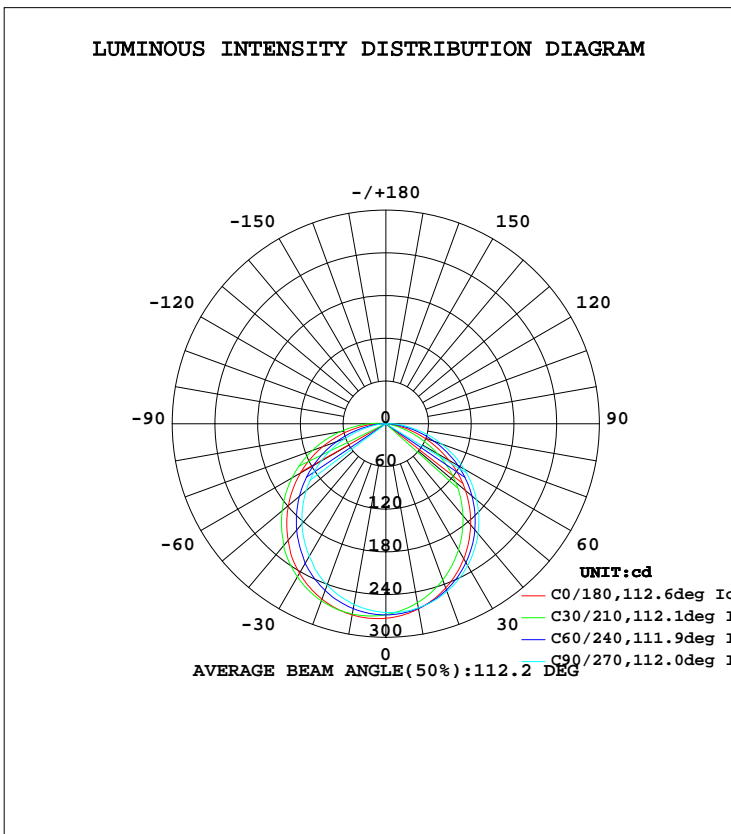


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.1346A P:14.82W PF:0.9177 Lamp Flux:1152x1 lm		
NAME: ASD-MPR-7D15CC-WH/BK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 52.61 lm/W			
MODEL	ASD-MPR-7D15CC-WH/BK	I _{max} (cd)	274.1	S/MH(C0/180)	1.32
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	1.21
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1152	η UP, DN(C0-180)	1.0,46.6
NOMINAL FLUX(lm)	1152	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2,51.2
LAMPS INSIDE	1	η up(%)	2.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	97.8	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	lum, lamp
10	264.0	253.9	262.7	257.3	272.5	270.2	257.7	255.0	0- 10	25.11	25.11	3.22,3.22
20	245.7	232.0	250.9	244.5	262.2	263.6	241.1	240.1	10- 20	71.86	96.97	12.4,12.4
30	219.0	201.4	229.9	221.7	242.6	247.5	215.1	217.0	20- 30	108.7	205.7	26.4,26.4
40	185.4	166.0	201.5	193.4	213.6	222.8	183.3	186.9	30- 40	130.8	336.5	43.2,43.2
50	146.3	125.6	166.6	158.4	178.7	190.5	146.2	150.9	40- 50	135.6	472.1	60.6,60.6
60	102.5	81.74	126.9	118.7	138.7	152.7	105.1	110.8	50- 60	122.7	594.9	76.3,76.3
70	56.72	37.95	83.37	75.92	94.50	110.6	61.41	67.32	60- 70	93.90	688.8	88.4,88.4
80	16.95	5.143	40.20	33.92	49.34	65.30	21.62	26.55	70- 80	54.77	743.5	95.4,95.4
90	2.176	2.161	6.722	3.378	11.87	23.75	2.403	2.399	80- 90	18.78	762.3	97.8,97.8
100	2.257	2.257	2.110	2.111	2.565	2.457	2.473	2.446	90-100	3.667	766.0	98.3,98.3
110	2.353	2.369	2.203	2.191	2.631	2.519	2.557	2.519	100-110	2.496	768.5	98.6,98.6
120	2.449	2.492	2.311	2.280	2.708	2.600	2.642	2.580	110-120	2.430	770.9	98.9,98.9
130	2.584	2.631	2.438	2.384	2.777	2.684	2.731	2.650	120-130	2.281	773.2	99.2,99.2
140	2.750	2.804	2.580	2.542	2.877	2.784	2.835	2.754	130-140	2.056	775.2	99.4,99.4
150	2.934	2.981	2.784	2.712	3.000	2.900	2.950	2.865	140-150	1.754	777.0	99.7,99.7
160	3.100	3.135	2.954	2.892	3.108	3.031	3.070	2.992	150-160	1.360	778.3	99.8,99.8
170	3.227	3.239	3.139	3.050	3.251	3.177	3.158	3.085	160-170	0.8733	779.2	100,100
180	3.308	3.289	3.208	3.150	3.347	3.274	3.220	3.158	170-180	0.3039	779.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

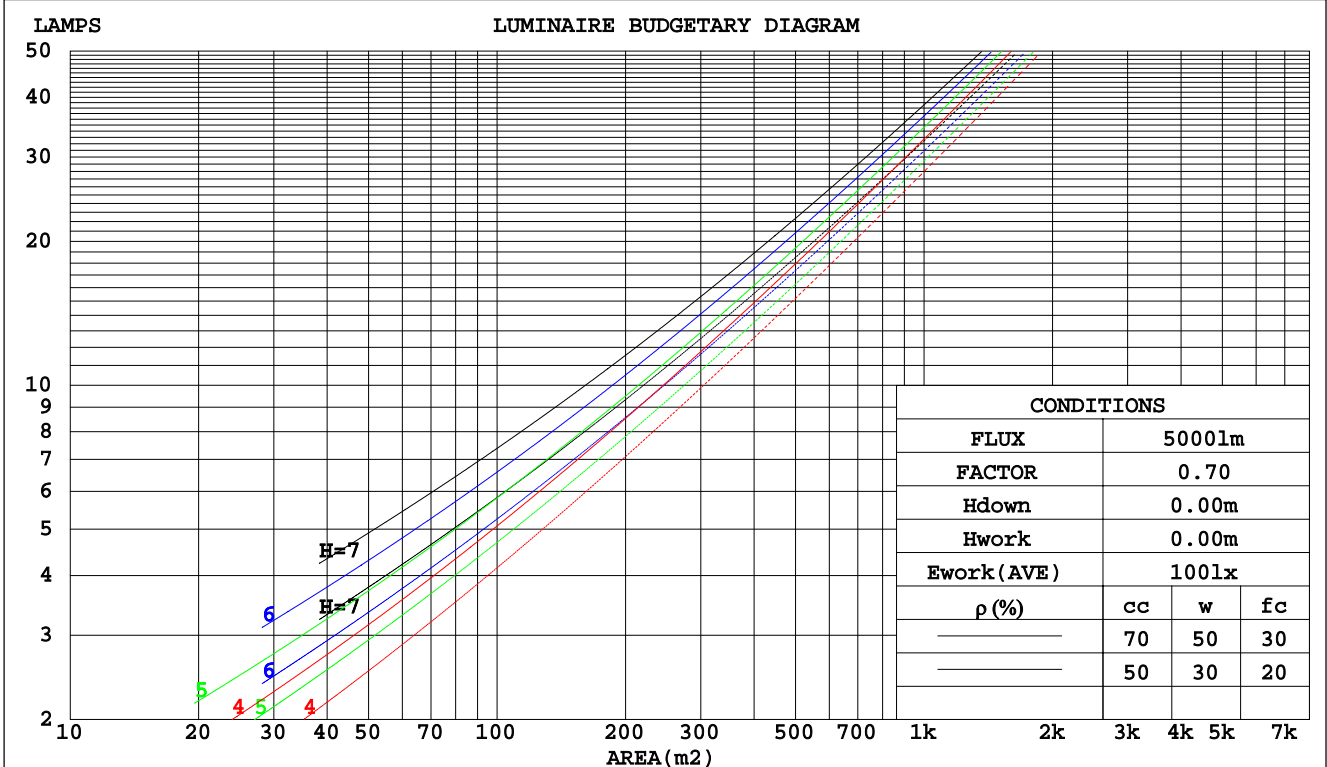
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-13

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:0.1346A P:14.82W PF:0.9177 Lamp Flux:1152x1 lm		
NAME: ASD-MPR-7D15CC-WH/BK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc	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	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.92	.89	.86	.88	.86	.84	.81
2.0	.90	.83	.77	.88	.81	.76	.84	.78	.74	.80	.76	.72	.77	.73	.70	.67
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.70	.65	.60	.68	.63	.59	.57
4.0	.70	.61	.54	.68	.60	.53	.65	.58	.52	.63	.57	.51	.60	.55	.51	.48
5.0	.62	.53	.46	.61	.52	.46	.58	.51	.45	.56	.50	.45	.54	.48	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.44	.39	.49	.43	.39	.36
7.0	.51	.42	.36	.50	.41	.35	.48	.40	.35	.46	.40	.35	.45	.39	.34	.32
8.0	.46	.38	.32	.45	.37	.32	.44	.37	.31	.42	.36	.31	.41	.35	.31	.29
9.0	.42	.34	.29	.42	.34	.28	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.26	.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:0.1346A P:14.82W PF:0.9177 Lamp Flux:1152x1 lm		
NAME: ASD-MPR-7D15CC-WH/BK 5000K	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	.315	.179	.057	.308	.175	.056	.293	.168	.054	.280	.161	.052	.267	.155	.050	
2.0	.294	.161	.049	.287	.158	.049	.274	.153	.047	.263	.147	.046	.252	.142	.045	
3.0	.271	.144	.043	.265	.142	.043	.254	.138	.042	.243	.133	.041	.233	.129	.040	
4.0	.250	.130	.038	.244	.128	.038	.234	.124	.037	.225	.121	.036	.216	.117	.036	
5.0	.231	.118	.034	.226	.116	.034	.217	.113	.033	.208	.110	.033	.200	.107	.032	
6.0	.214	.107	.031	.209	.106	.030	.201	.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	.025	.182	.090	.025	.176	.088	.025	.169	.086	.025	.164	.084	.024	
9.0	.174	.084	.023	.171	.083	.023	.165	.081	.023	.159	.080	.023	.154	.078	.023	
10.0	.163	.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	.207	.207	.207	.177	.177	.177	.121	.121	.121	.069	.069	.069	.022	.022	.022	
1.0	.198	.173	.151	.169	.149	.130	.116	.102	.090	.067	.059	.052	.021	.019	.017	
2.0	.190	.149	.115	.162	.128	.099	.111	.089	.069	.064	.052	.041	.021	.017	.013	
3.0	.182	.131	.091	.156	.113	.079	.107	.079	.056	.062	.046	.033	.020	.015	.011	
4.0	.174	.118	.075	.150	.102	.066	.103	.071	.046	.059	.042	.027	.019	.014	.009	
5.0	.167	.108	.064	.143	.093	.056	.099	.065	.040	.057	.038	.023	.018	.012	.008	
6.0	.160	.100	.056	.137	.086	.049	.095	.060	.035	.055	.036	.021	.018	.012	.007	
7.0	.153	.093	.051	.131	.080	.044	.091	.056	.031	.053	.033	.019	.017	.011	.006	
8.0	.146	.087	.046	.126	.075	.040	.087	.053	.029	.051	.031	.017	.016	.010	.006	
9.0	.140	.082	.043	.121	.071	.037	.084	.050	.026	.049	.030	.016	.016	.010	.005	
10.0	.135	.078	.040	.116	.068	.035	.080	.048	.025	.047	.028	.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:0.1346A P:14.82W PF:0.9177 Lamp Flux:1152x1 lm		
NAME: ASD-MPR-7D15CC-WH/BK 5000K	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	14.4	15.9	14.7	16.1	16.4	15.9	17.4	16.2	17.7	17.9
3H	15.6	17.0	15.9	17.2	17.5	17.6	19.0	18.0	19.3	19.6
4H	16.0	17.3	16.3	17.6	17.9	18.4	19.7	18.7	20.0	20.3
6H	16.1	17.4	16.5	17.7	18.0	18.9	20.2	19.3	20.5	20.8
8H	16.1	17.3	16.5	17.6	18.0	19.2	20.3	19.5	20.7	21.0
12H	16.1	17.2	16.5	17.6	17.9	19.3	20.5	19.7	20.8	21.2
4H 2H	14.8	16.1	15.2	16.4	16.7	16.1	17.4	16.5	17.7	18.0
3H	16.0	17.2	16.4	17.5	17.9	18.1	19.2	18.5	19.6	19.9
4H	16.5	17.5	16.9	17.9	18.2	19.0	20.0	19.4	20.4	20.8
6H	16.7	17.6	17.1	18.0	18.4	19.7	20.7	20.2	21.0	21.5
8H	16.7	17.5	17.1	18.0	18.4	20.0	20.9	20.5	21.3	21.7
12H	16.7	17.5	17.1	17.9	18.3	20.3	21.1	20.7	21.5	22.0
8H 4H	16.6	17.5	17.0	17.9	18.3	19.0	19.8	19.4	20.2	20.7
6H	16.8	17.5	17.3	18.0	18.4	19.9	20.6	20.3	21.0	21.5
8H	16.8	17.5	17.3	17.9	18.4	20.3	20.9	20.7	21.4	21.9
12H	16.8	17.4	17.3	17.9	18.4	20.6	21.2	21.1	21.7	22.2
12H 4H	16.6	17.4	17.1	17.8	18.3	18.9	19.7	19.4	20.1	20.6
6H	16.8	17.5	17.3	17.9	18.4	19.8	20.5	20.3	20.9	21.4
8H	16.9	17.4	17.4	17.9	18.4	20.2	20.8	20.8	21.3	21.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.2				
2.0H	+ 0.7 / - 0.8					+ 0.3 / - 0.5				

CIE Pub.117 Corrected 779.5 lm Total Lamp Luminous Flux. (8log(F/F0) = -0.9)

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:0.1346A P:14.82W PF:0.9177 Lamp Flux:1152x1 lm		
NAME: ASD-MPR-7D15CC-WH/BK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

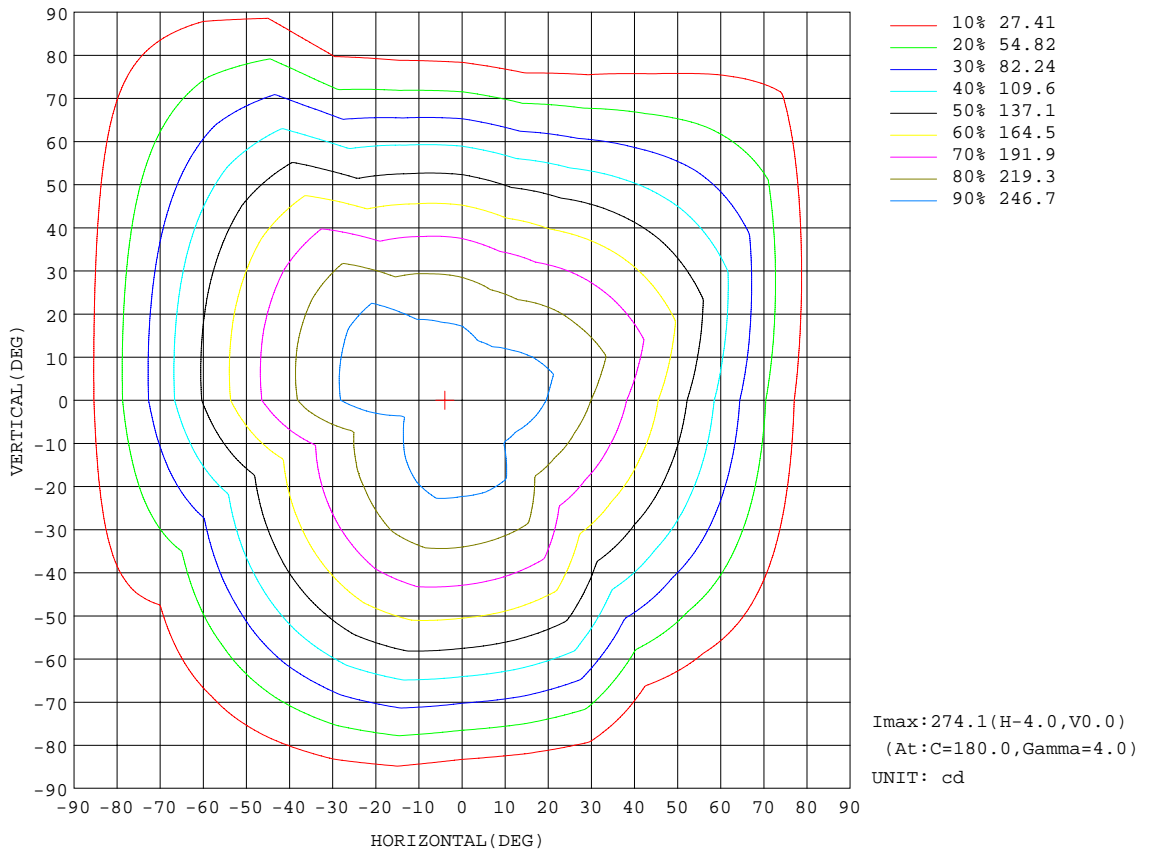
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	47	65	54	47	64	53	47	40
1.00	75	64	56	74	63	56	71	64	55	48
1.25	82	71	64	80	71	64	78	69	63	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	79	92	84	78	88	81	76	68
2.50	98	90	84	96	88	83	91	85	81	72
3.00	101	94	88	99	92	87	95	89	85	76
4.00	105	99	95	103	97	93	98	94	90	81
5.00	108	103	99	105	101	97	100	97	93	84
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:0.1346A P:14.82W PF:0.9177 Lamp Flux:1152x1 lm		
NAME: ASD-MPR-7D15CC-WH/BK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

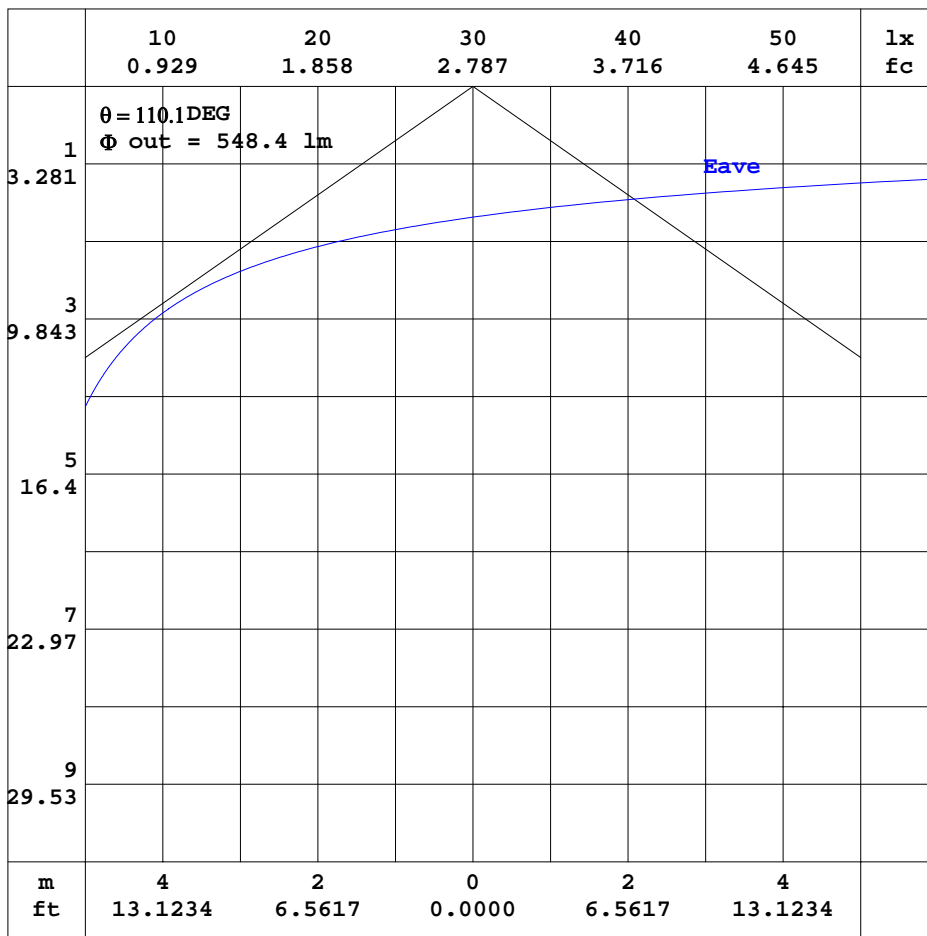


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-04-13

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:0.1346A P:14.82W PF:0.9177 Lamp Flux:1152x1 lm		
NAME: ASD-MPR-7D15CC-WH/BK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:



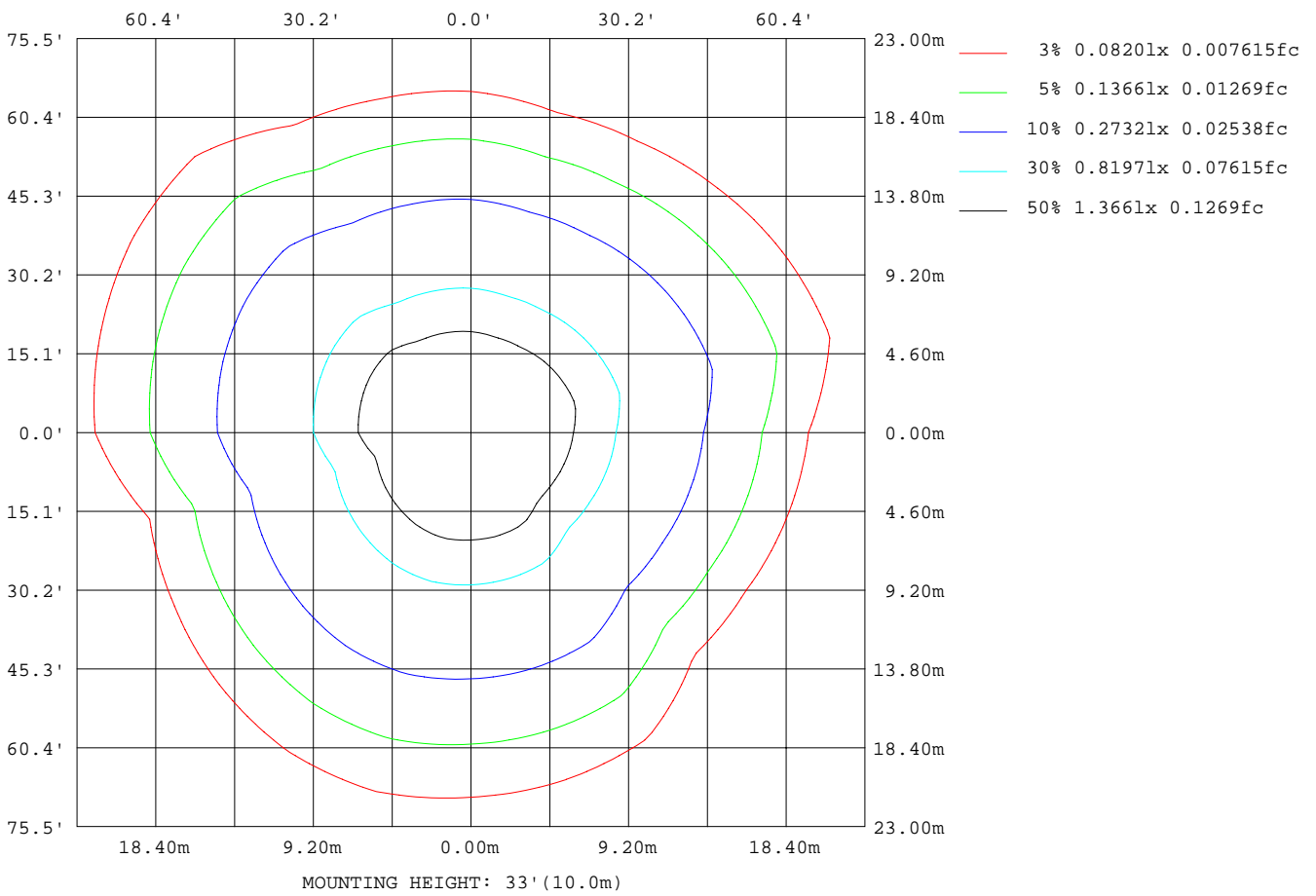
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1346A P:14.82W PF:0.9177 Lamp Flux:1152x1 lm		
NAME: ASD-MPR-7D15CC-WH/BK 5000K	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:0.1346A P:14.82W PF:0.9177 Lamp Flux:1152x1 lm		
NAME: ASD-MPR-7D15CC-WH/BK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

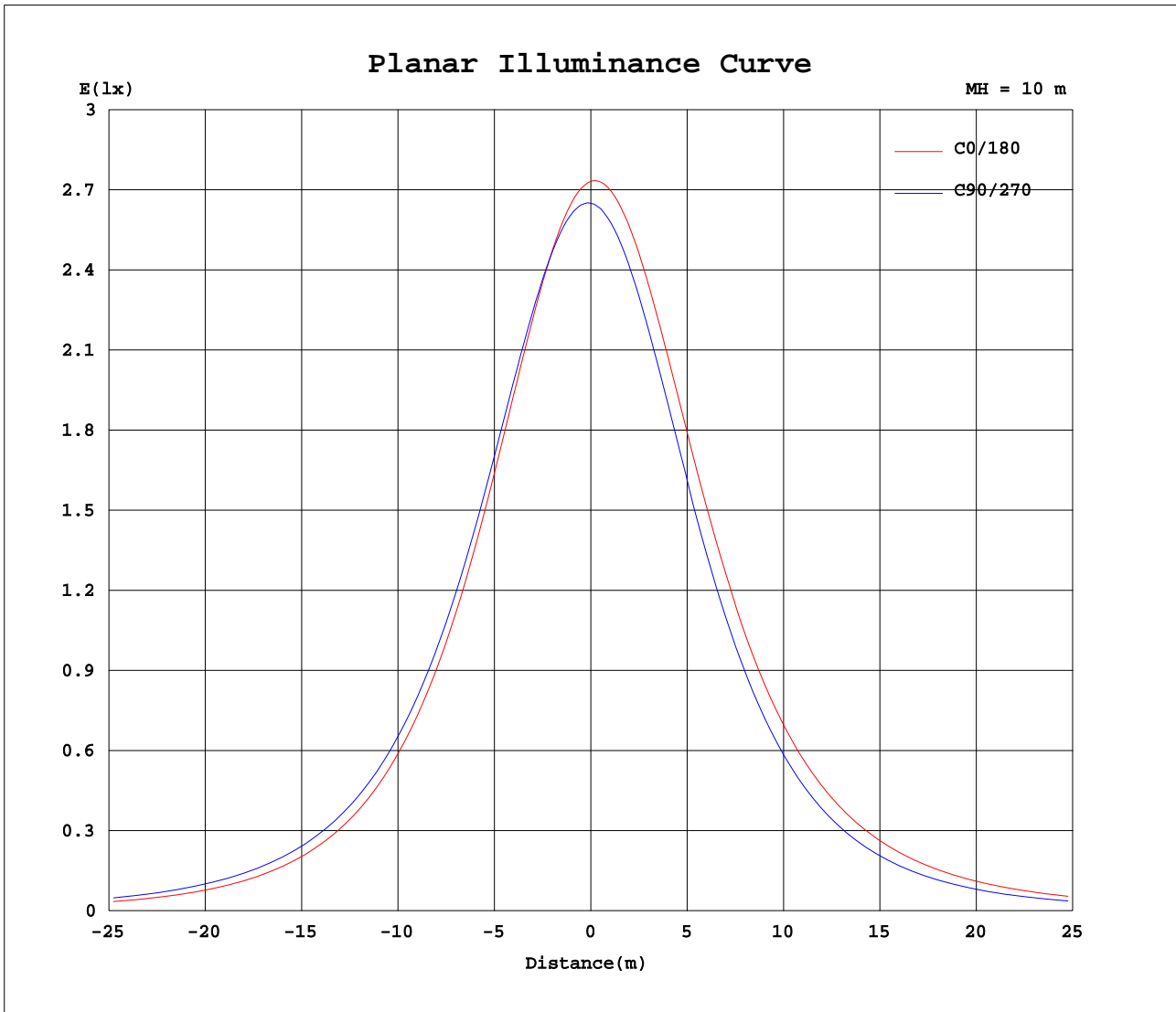
AvgL	cd/m2
L_0~180(65)av	2325
L_0~180(75)av	2069
L_0~180(85)av	1845
L_90~270(65)av	2239
L_90~270(75)av	1966
L_90~270(85)av	1636
L_45(65)av	2236
L_45(75)av	2003
L_45(85)av	2076

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:0.1346A P:14.82W PF:0.9177 Lamp Flux:1152x1 lm		
NAME: ASD-MPR-7D15CC-WH/BK 5000K	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	273	271	268	267	268	267	265	263	261	261	261	261	273	271	268	267	268	267	265
5	270	266	263	262	267	266	265	264	262	260	259	258	274	272	271	270	267	264	263
10	264	260	255	254	263	263	263	262	260	257	254	252	273	272	271	270	264	260	258
15	256	251	245	244	257	258	258	259	256	252	248	245	269	269	269	268	258	253	250
20	246	240	234	232	249	250	251	252	249	245	239	235	262	263	265	264	249	244	241
25	233	227	220	217	238	240	241	244	240	235	228	222	253	255	258	257	239	233	230
30	219	210	204	201	225	228	230	233	229	222	215	208	243	245	248	248	227	220	215
35	203	194	187	184	211	214	217	220	217	209	201	193	230	233	237	236	211	205	200
40	185	176	169	166	195	198	201	205	202	193	185	176	214	219	223	223	195	188	183
45	166	157	149	146	177	181	185	189	186	177	167	158	197	203	207	207	177	170	165
50	146	136	128	126	158	163	167	172	168	158	148	139	179	185	190	191	158	151	146
55	125	115	106	104	138	143	147	153	149	139	128	118	159	166	172	172	138	131	126
60	103	92.7	83.4	81.7	117	123	127	133	129	119	107	97.1	139	146	152	153	118	110	105
65	79.6	70.0	61.0	59.4	94.6	101	106	112	109	97.6	85.3	75.4	117	125	132	132	96.1	87.5	83.4
70	56.7	47.6	39.4	38.0	72.3	79.2	83.4	90.8	86.5	75.9	63.4	53.8	94.5	102	110	111	73.8	65.5	61.4
75	35.3	27.3	20.5	19.4	50.2	57.0	61.4	68.9	64.6	54.3	42.4	33.5	71.8	79.6	87.7	87.8	52.0	43.9	40.4
80	17.0	10.8	5.89	5.14	29.9	36.0	40.2	47.3	43.5	33.9	23.6	16.2	49.3	57.1	65.1	65.3	31.5	24.5	21.6
85	3.38	2.15	2.14	2.13	13.1	17.9	21.5	27.5	24.4	16.5	8.42	3.14	28.8	35.9	43.0	43.1	14.3	9.20	7.05
90	2.18	2.18	2.17	2.16	2.09	4.24	6.72	11.2	8.95	3.38	2.06	2.07	11.9	17.6	23.5	23.8	2.48	2.41	2.40
95	2.21	2.21	2.21	2.21	2.11	2.09	2.07	2.06	2.06	2.07	2.09	2.11	2.54	3.88	8.15	8.54	2.45	2.44	2.44
100	2.26	2.26	2.26	2.26	2.15	2.13	2.11	2.10	2.10	2.11	2.13	2.15	2.56	2.51	2.48	2.46	2.48	2.48	2.47
105	2.30	2.31	2.31	2.31	2.20	2.18	2.16	2.13	2.13	2.15	2.17	2.20	2.58	2.53	2.51	2.49	2.52	2.51	2.51
110	2.35	2.36	2.36	2.37	2.26	2.23	2.20	2.18	2.18	2.19	2.21	2.25	2.63	2.58	2.54	2.52	2.56	2.56	2.56
115	2.40	2.41	2.42	2.43	2.31	2.29	2.26	2.23	2.22	2.23	2.26	2.29	2.67	2.61	2.58	2.56	2.60	2.60	2.60
120	2.45	2.47	2.48	2.49	2.37	2.34	2.31	2.28	2.26	2.28	2.31	2.34	2.71	2.65	2.63	2.60	2.65	2.65	2.64
125	2.51	2.54	2.55	2.56	2.43	2.39	2.37	2.32	2.31	2.33	2.36	2.40	2.75	2.69	2.67	2.64	2.69	2.68	2.68
130	2.58	2.61	2.62	2.63	2.50	2.46	2.44	2.38	2.36	2.38	2.43	2.47	2.78	2.73	2.70	2.68	2.73	2.73	2.73
135	2.67	2.70	2.71	2.72	2.58	2.54	2.51	2.45	2.43	2.46	2.50	2.55	2.82	2.76	2.75	2.73	2.79	2.78	2.78
140	2.75	2.78	2.79	2.80	2.66	2.62	2.58	2.53	2.51	2.54	2.58	2.63	2.88	2.82	2.80	2.78	2.85	2.83	2.83
145	2.83	2.86	2.87	2.90	2.75	2.71	2.68	2.63	2.59	2.63	2.67	2.72	2.94	2.87	2.85	2.84	2.90	2.88	2.89
150	2.93	2.94	2.95	2.98	2.84	2.82	2.78	2.73	2.68	2.71	2.75	2.80	3.00	2.93	2.91	2.90	2.96	2.95	2.95
155	3.03	3.03	3.04	3.05	2.93	2.91	2.86	2.80	2.78	2.80	2.84	2.87	3.05	2.99	2.98	2.96	3.02	3.01	3.02
160	3.10	3.11	3.12	3.14	3.03	2.99	2.95	2.90	2.87	2.89	2.94	2.97	3.11	3.05	3.05	3.03	3.08	3.07	3.07
165	3.17	3.20	3.18	3.20	3.12	3.08	3.04	3.01	2.98	2.97	3.01	3.04	3.18	3.13	3.13	3.10	3.14	3.13	3.12
170	3.23	3.25	3.23	3.24	3.18	3.14	3.14	3.10	3.07	3.05	3.07	3.09	3.25	3.19	3.19	3.18	3.21	3.17	3.16
175	3.28	3.30	3.27	3.29	3.22	3.20	3.18	3.16	3.13	3.12	3.13	3.13	3.30	3.24	3.25	3.23	3.24	3.20	3.19
180	3.31	3.31	3.27	3.29	3.30	3.26	3.21	3.19	3.15	3.15	3.15	3.16	3.35	3.29	3.30	3.27	3.31	3.24	3.22

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:0.1346A P:14.82W PF:0.9177 Lamp Flux:1152x1 lm		
NAME: ASD-MPR-7D15CC-WH/BK 5000K	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	263	261	261	261	261														
5	259	258	259	260	262														
10	253	253	255	258	260														
15	245	245	249	253	256														
20	235	236	240	245	250														
25	223	224	229	236	241														
30	209	210	217	224	231														
35	193	195	203	210	219														
40	176	178	187	196	205														
45	158	160	169	179	189														
50	138	141	151	161	171														
55	118	121	131	142	153														
60	96.0	99.9	111	122	133														
65	74.3	78.4	89.0	102	113														
70	52.7	56.8	67.3	80.0	90.7														
75	32.4	36.4	46.0	58.4	68.8														
80	15.2	18.4	26.6	37.5	47.2														
85	2.79	4.80	10.6	19.2	27.4														
90	2.42	2.41	2.40	5.17	11.1														
95	2.45	2.43	2.42	2.40	2.39														
100	2.48	2.46	2.45	2.43	2.41														
105	2.52	2.50	2.48	2.46	2.45														
110	2.55	2.53	2.52	2.49	2.48														
115	2.60	2.57	2.55	2.53	2.51														
120	2.63	2.61	2.58	2.57	2.55														
125	2.67	2.64	2.62	2.60	2.59														
130	2.72	2.68	2.65	2.63	2.62														
135	2.77	2.73	2.69	2.67	2.67														
140	2.82	2.79	2.75	2.72	2.72														
145	2.87	2.84	2.82	2.78	2.77														
150	2.93	2.89	2.87	2.83	2.83														
155	2.98	2.94	2.92	2.90	2.88														
160	3.04	3.02	2.99	2.96	2.95														
165	3.10	3.07	3.03	3.01	3.02														
170	3.13	3.10	3.08	3.08	3.08														
175	3.17	3.15	3.13	3.13	3.14														
180	3.18	3.16	3.16	3.15	3.17														

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: