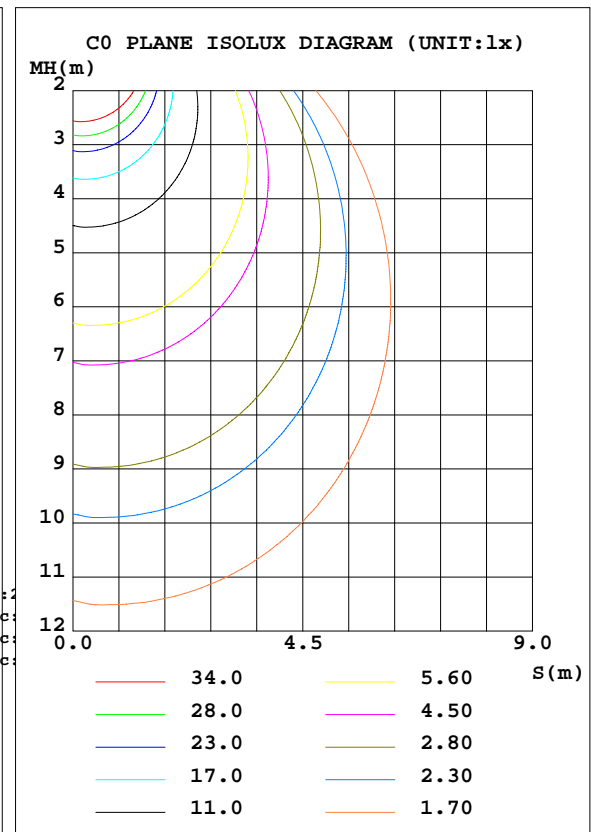
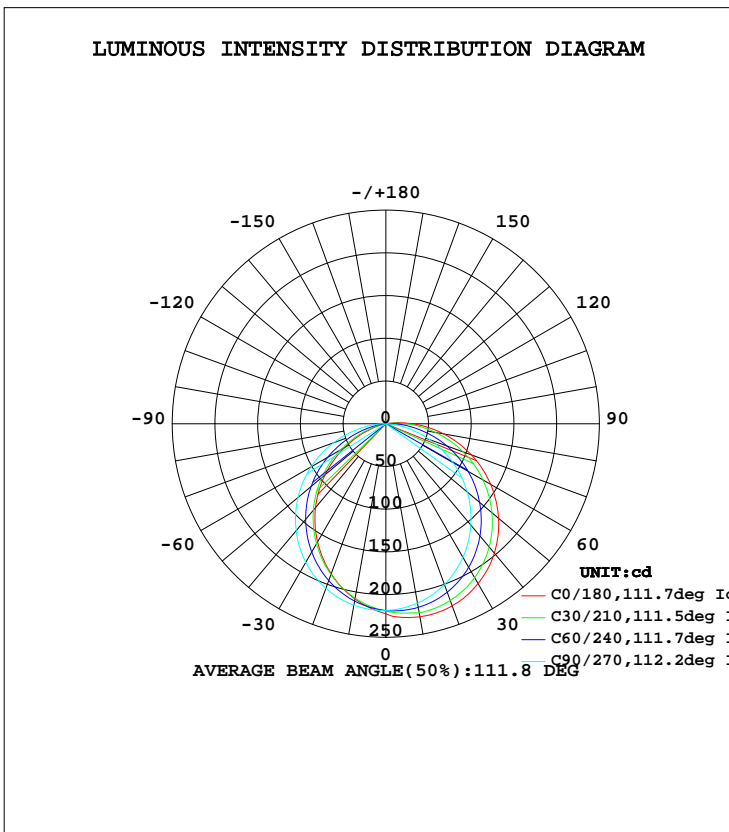


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.0841A P:9.546W PF:0.9460 Lamp Flux:754x1 lm		
NAME: ASD-MPR-5D10CC-WH/BK 4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 78.99 lm/W			
MODEL	ASD-MPR-5D10CC-WH/BK	I _{max} (cd)	229.6	S/MH(C0/180)	1.09
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	754	η UP, DN(C0-180)	1.3,49.0
NOMINAL FLUX(lm)	754	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.3,48.4
LAMPS INSIDE	1	η up(%)	2.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	97.4	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	229.4	221.0	213.2	208.0	208.2	208.5	215.6	222.3	0- 10	20.77	20.77	3.17,3.17
20	226.9	215.0	200.3	189.7	187.1	190.8	205.1	217.4	10- 20	59.44	80.21	12.2,12.2
30	216.0	201.2	180.5	165.2	160.0	166.9	187.4	204.7	20- 30	89.96	170.2	26,26
40	197.6	180.3	154.9	135.9	128.1	137.8	163.4	184.8	30- 40	108.4	278.5	42.5,42.5
50	172.3	153.5	124.5	102.6	93.01	104.6	134.2	158.6	40- 50	112.4	390.9	59.6,59.6
60	141.4	122.1	90.49	66.67	55.75	68.38	101.2	127.6	50- 60	101.7	492.6	75.1,75.1
70	106.7	87.35	54.53	30.86	20.86	32.23	65.27	92.75	60- 70	78.13	570.7	87,87
80	68.90	50.72	20.92	3.645	2.107	5.135	29.67	55.34	70- 80	47.18	617.9	94.2,94.2
90	31.42	17.36	1.814	1.826	2.168	2.126	3.086	20.34	80- 90	20.72	638.6	97.4,97.4
100	2.856	1.814	1.845	1.903	2.238	2.157	2.111	2.107	90-100	5.696	644.3	98.3,98.3
110	1.837	1.833	1.899	1.976	2.307	2.207	2.161	2.149	100-110	2.147	646.5	98.6,98.6
120	1.933	1.899	1.976	2.057	2.380	2.253	2.199	2.203	110-120	2.061	648.5	98.9,98.9
130	2.007	1.968	2.060	2.164	2.461	2.311	2.257	2.257	120-130	1.926	650.4	99.2,99.2
140	2.118	2.072	2.160	2.295	2.542	2.384	2.322	2.311	130-140	1.725	652.2	99.5,99.5
150	2.264	2.222	2.314	2.442	2.615	2.469	2.403	2.392	140-150	1.463	653.6	99.7,99.7
160	2.434	2.392	2.453	2.557	2.684	2.546	2.492	2.499	150-160	1.132	654.8	99.9,99.9
170	2.596	2.538	2.580	2.658	2.727	2.623	2.596	2.603	160-170	0.7258	655.5	100,100
180	2.723	2.646	2.642	2.688	2.731	2.642	2.642	2.688	170-180	0.2524	655.7	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

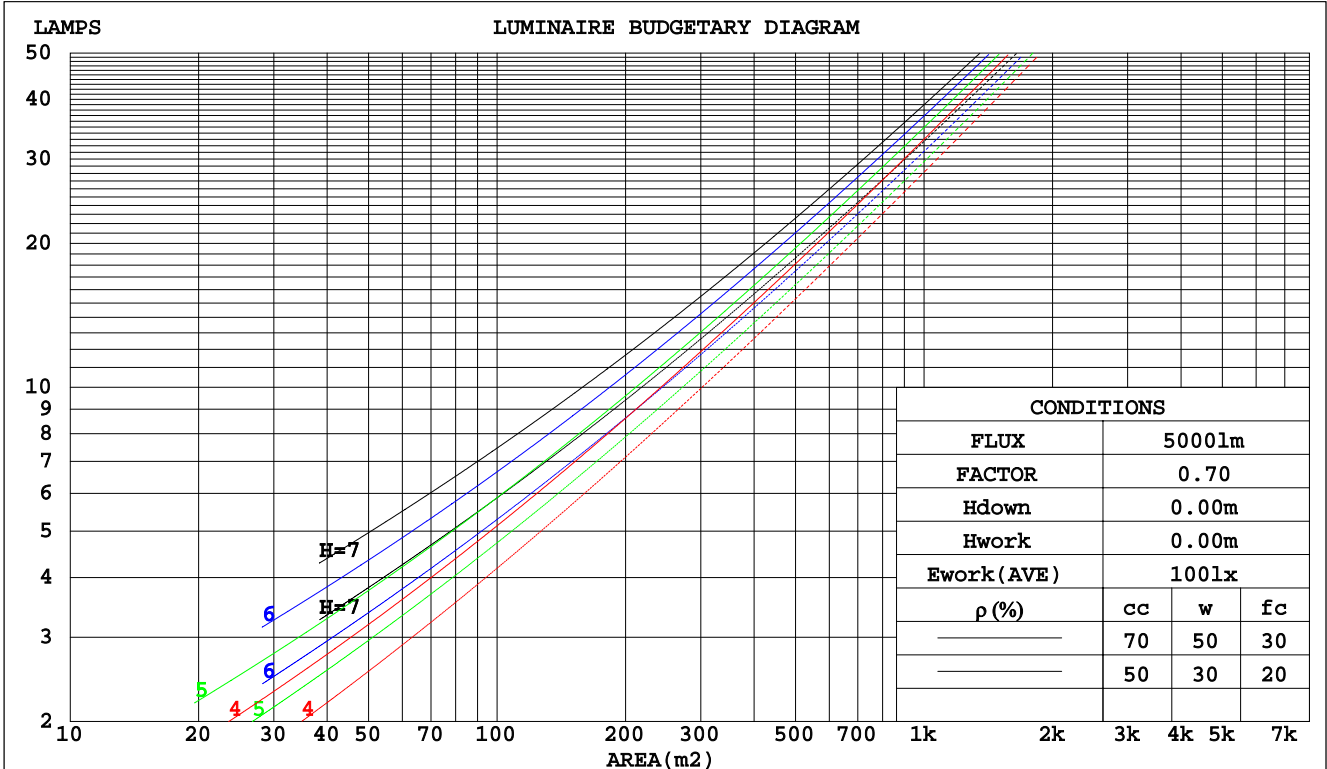
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-04-13

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:0.0841A P:9.546W PF:0.9460 Lamp Flux:754x1 lm		
NAME: ASD-MPR-5D10CC-WH/BK 4000K	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	1.04	1.04	1.04	.00	.00	.00	.97
1.0	1.03	.98	.94	.00	.96	.92	.95	.92	.89	.91	.88	.86	.87	.85	.83	.80
2.0	.89	.82	.76	.87	.81	.75	.83	.78	.73	.79	.75	.71	.76	.72	.69	.66
3.0	.78	.70	.63	.76	.69	.62	.73	.66	.61	.70	.64	.60	.67	.62	.58	.56
4.0	.69	.60	.53	.68	.59	.53	.65	.58	.52	.62	.56	.51	.60	.54	.50	.48
5.0	.62	.53	.46	.60	.52	.45	.58	.50	.45	.56	.49	.44	.54	.48	.43	.41
6.0	.55	.46	.40	.54	.46	.40	.52	.45	.39	.50	.44	.39	.49	.43	.38	.36
7.0	.50	.41	.35	.49	.41	.35	.48	.40	.35	.46	.39	.34	.44	.38	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.43	.36	.31	.42	.35	.31	.41	.35	.30	.28
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.27	.38	.32	.27	.25
10.0	.39	.31	.26	.38	.31	.25	.37	.30	.25	.36	.29	.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:0.0841A P:9.546W PF:0.9460 Lamp Flux:754x1 lm		
NAME: ASD-MPR-5D10CC-WH/BK 4000K	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	.324	.184	.058	.316	.180	.057	.301	.173	.055	.287	.166	.053	.275	.159	.051	
2.0	.299	.164	.050	.292	.161	.049	.278	.155	.048	.266	.149	.047	.255	.144	.046	
3.0	.274	.146	.044	.268	.143	.043	.256	.139	.042	.245	.134	.041	.235	.130	.040	
4.0	.252	.131	.038	.246	.129	.038	.236	.125	.037	.226	.121	.037	.217	.118	.036	
5.0	.232	.118	.034	.227	.117	.034	.218	.113	.033	.209	.110	.033	.201	.107	.032	
6.0	.215	.108	.031	.210	.106	.031	.202	.104	.030	.194	.101	.030	.187	.098	.029	
7.0	.200	.099	.028	.196	.097	.028	.188	.095	.027	.181	.093	.027	.175	.091	.027	
8.0	.186	.091	.026	.183	.090	.025	.176	.088	.025	.170	.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	.079	.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	.210	.210	.210	.180	.180	.180	.123	.123	.123	.070	.070	.070	.023	.023	.023	
1.0	.201	.176	.153	.172	.151	.132	.118	.104	.091	.068	.060	.053	.022	.019	.017	
2.0	.193	.152	.117	.166	.131	.101	.113	.091	.071	.065	.053	.041	.021	.017	.014	
3.0	.186	.135	.094	.159	.116	.082	.109	.081	.057	.063	.047	.034	.020	.015	.011	
4.0	.178	.121	.078	.153	.105	.068	.105	.073	.048	.061	.043	.028	.020	.014	.009	
5.0	.170	.111	.067	.146	.096	.059	.101	.067	.041	.058	.039	.025	.019	.013	.008	
6.0	.163	.103	.060	.140	.089	.052	.097	.062	.037	.056	.037	.022	.018	.012	.007	
7.0	.156	.096	.054	.134	.083	.047	.093	.058	.033	.054	.034	.020	.017	.011	.007	
8.0	.150	.090	.049	.129	.078	.043	.089	.055	.030	.052	.032	.018	.017	.011	.006	
9.0	.144	.085	.046	.124	.074	.040	.086	.052	.028	.050	.031	.017	.016	.010	.006	
10.0	.138	.081	.043	.119	.070	.038	.082	.049	.027	.048	.029	.016	.016	.010	.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:0.0841A P:9.546W PF:0.9460 Lamp Flux:754x1 lm										
NAME: ASD-MPR-5D10CC-WH/BK 4000K					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	17.1	18.6	17.5	18.9	19.2	15.5	17.0	15.8	17.2	17.5
3H	19.3	20.7	19.6	21.0	21.3	16.9	18.3	17.3	18.6	18.9
4H	20.4	21.7	20.7	22.0	22.3	17.5	18.8	17.8	19.1	19.4
6H	21.4	22.7	21.8	23.0	23.3	17.8	19.1	18.2	19.4	19.7
8H	21.9	23.1	22.3	23.5	23.8	17.9	19.1	18.3	19.5	19.8
12H	22.4	23.6	22.8	23.9	24.3	18.0	19.1	18.3	19.5	19.8
4H 2H	17.7	19.0	18.1	19.3	19.6	16.5	17.8	16.8	18.1	18.4
3H	20.1	21.2	20.5	21.6	22.0	18.2	19.3	18.6	19.7	20.0
4H	21.3	22.4	21.7	22.8	23.1	18.9	19.9	19.3	20.3	20.7
6H	22.6	23.5	23.0	23.9	24.3	19.4	20.3	19.8	20.7	21.1
8H	23.2	24.1	23.6	24.5	24.9	19.5	20.4	20.0	20.8	21.3
12H	23.8	24.6	24.3	25.1	25.5	19.6	20.4	20.1	20.8	21.3
8H 4H	21.6	22.5	22.1	22.9	23.4	19.5	20.4	20.0	20.8	21.3
6H	23.1	23.8	23.6	24.3	24.8	20.3	21.0	20.8	21.5	22.0
8H	23.9	24.5	24.4	25.0	25.5	20.6	21.2	21.1	21.7	22.2
12H	24.7	25.3	25.3	25.8	26.3	20.8	21.3	21.3	21.8	22.4
12H 4H	21.6	22.4	22.1	22.9	23.3	19.7	20.5	20.2	20.9	21.4
6H	23.2	23.8	23.7	24.3	24.8	20.6	21.2	21.1	21.7	22.2
8H	24.0	24.6	24.5	25.1	25.6	21.0	21.5	21.5	22.0	22.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.5				

CIE Pub.117 Corrected 655.7 lm Total Lamp Luminous Flux. (8log(F/F0) = -1.5)

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:0.0841A P:9.546W PF:0.9460 Lamp Flux:754x1 lm		
NAME: ASD-MPR-5D10CC-WH/BK 4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

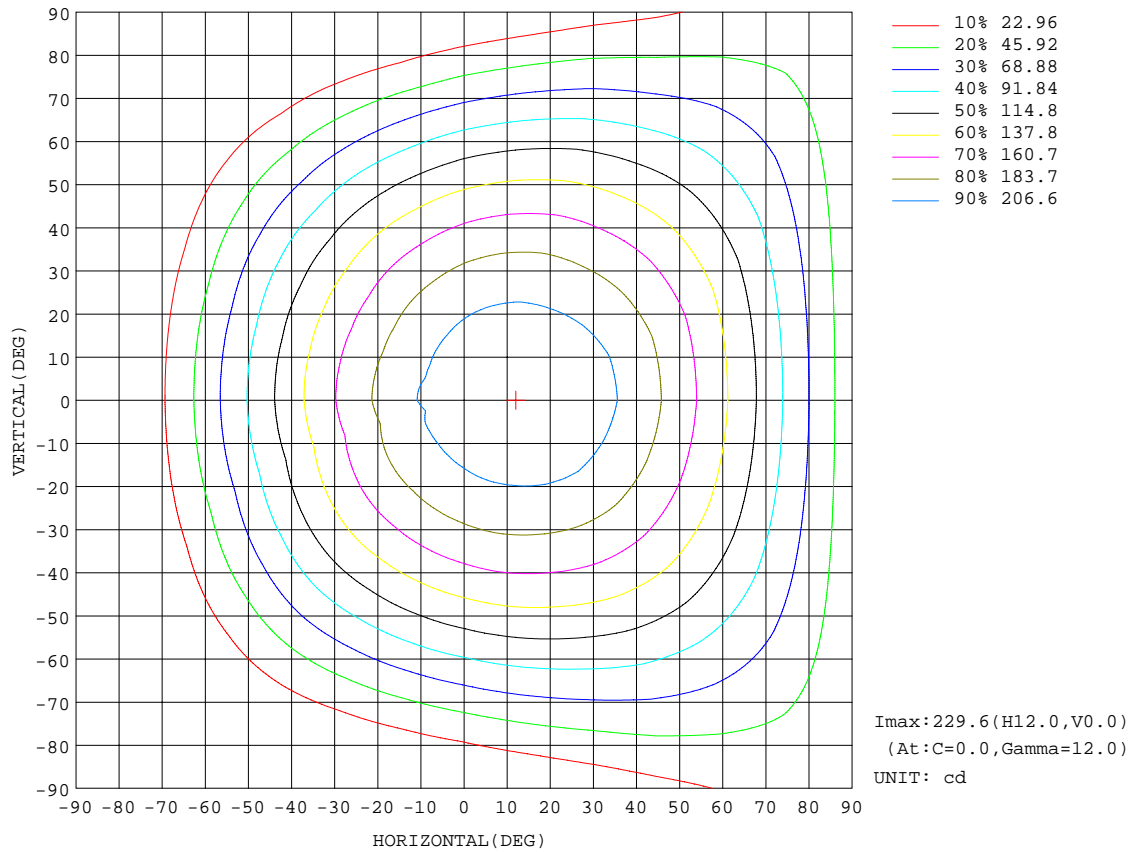
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	45	37	55	44	37	54	44	37	31
0.80	66	54	47	65	54	47	63	53	46	39
1.00	74	63	56	73	62	55	71	64	55	47
1.25	81	71	63	80	70	63	77	68	62	54
1.50	86	76	69	85	75	68	81	73	67	59
2.00	93	84	78	91	83	77	87	81	75	67
2.50	97	89	83	95	88	82	91	85	80	71
3.00	101	93	88	98	92	86	94	88	84	75
4.00	105	99	94	102	97	92	97	93	89	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:0.0841A P:9.546W PF:0.9460 Lamp Flux:754x1 lm		
NAME: ASD-MPR-5D10CC-WH/BK 4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

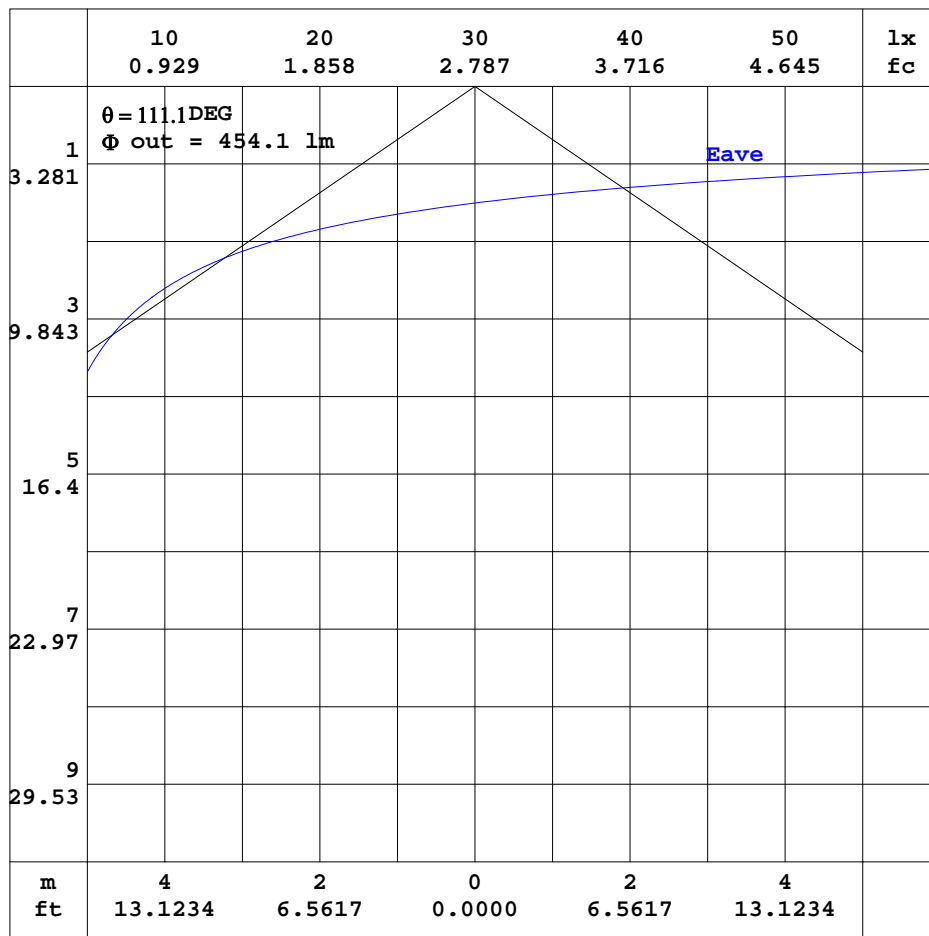


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-04-13

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:0.0841A P:9.546W PF:0.9460 Lamp Flux:754x1 lm		
NAME: ASD-MPR-5D10CC-WH/BK 4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:



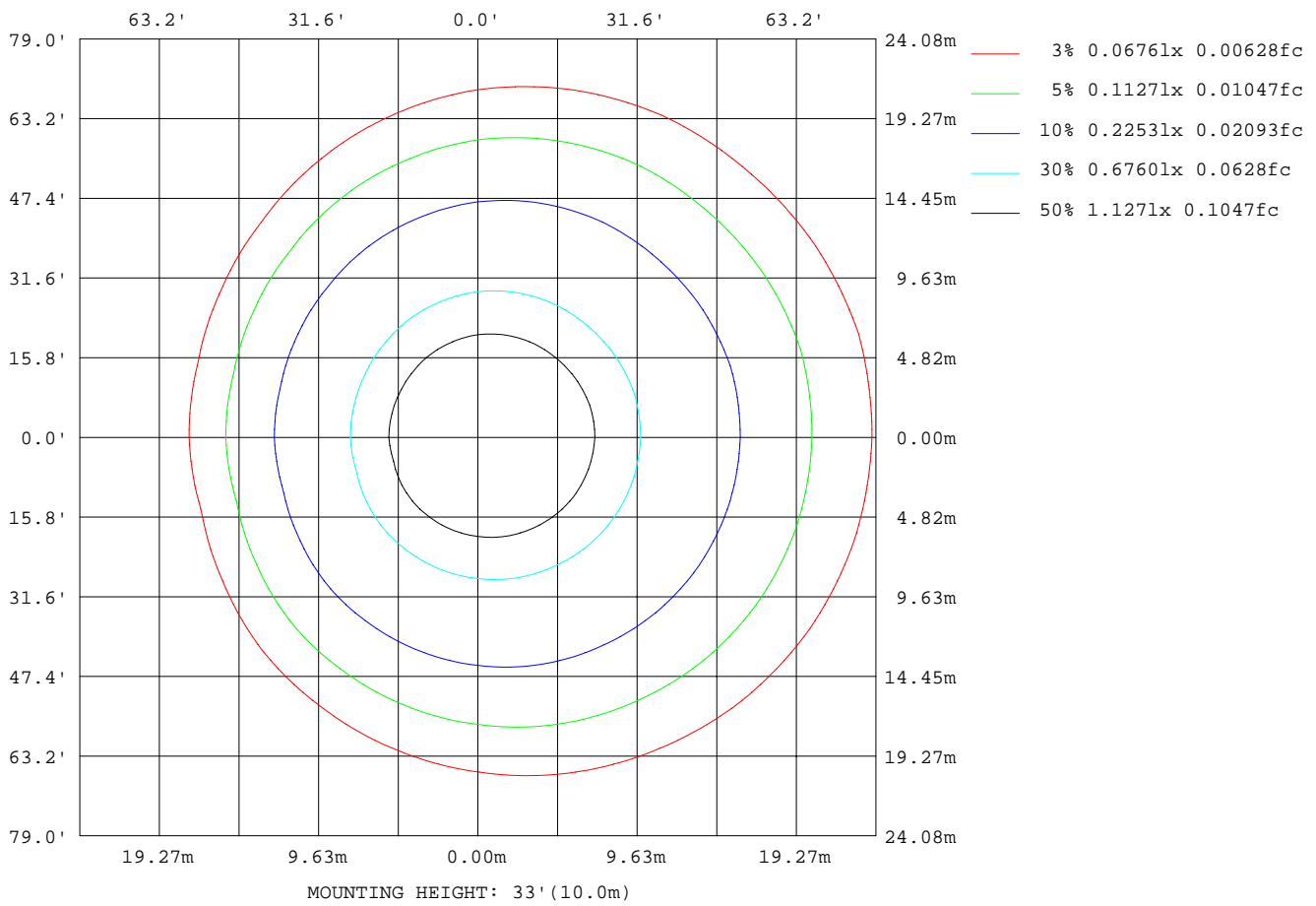
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.0841A P:9.546W PF:0.9460 Lamp Flux:754x1 lm		
NAME: ASD-MPR-5D10CC-WH/BK 4000K	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:0.0841A P:9.546W PF:0.9460 Lamp Flux:754x1 lm		
NAME: ASD-MPR-5D10CC-WH/BK 4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

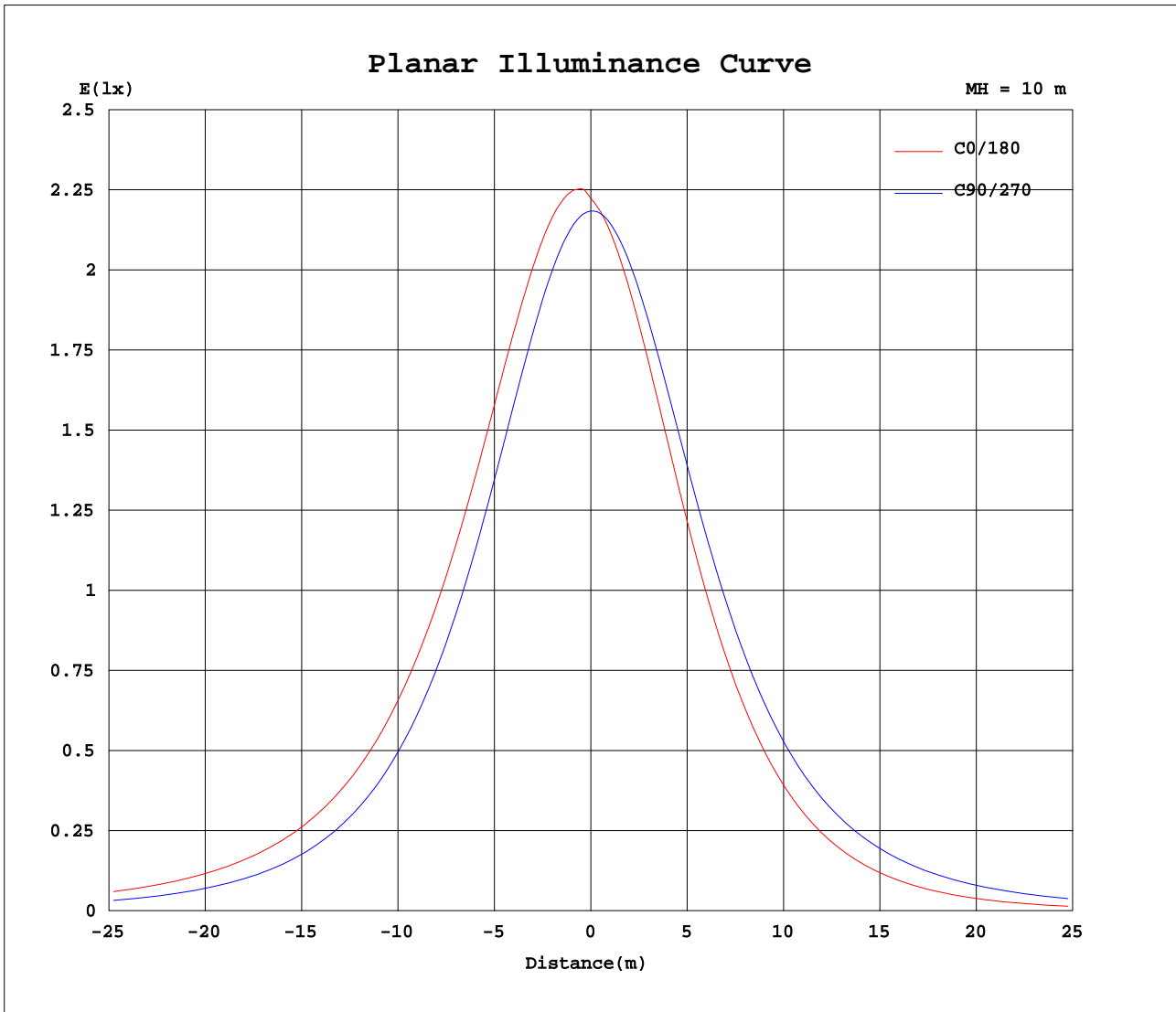
AvgL	cd/m2
L_0~180(65)av	1917
L_0~180(75)av	1842
L_0~180(85)av	2976
L_90~270(65)av	1850
L_90~270(75)av	1622
L_90~270(85)av	1271
L_45(65)av	1857
L_45(75)av	1697
L_45(85)av	2120

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:0.0841A P:9.546W PF:0.9460 Lamp Flux:754x1 lm		
NAME: ASD-MPR-5D10CC-WH/BK 4000K	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	222	222	219	219	219	218	218	218	219	219	220	220	222	222	219	219	219	218	218
5	228	225	222	221	219	218	217	216	215	215	215	213	216	216	214	215	216	217	218
10	229	227	225	221	218	216	213	211	209	208	207	205	208	208	207	209	211	213	216
15	229	227	223	219	215	211	208	204	202	200	198	195	199	198	198	201	204	207	211
20	227	224	220	215	210	205	200	196	192	190	187	184	187	187	188	191	195	200	205
25	222	219	215	209	203	197	191	186	181	178	175	171	174	174	176	180	185	191	197
30	216	212	208	201	194	187	180	174	169	165	161	157	160	160	162	167	174	180	187
35	208	204	199	192	183	176	168	162	156	151	146	142	145	145	148	153	160	168	176
40	198	194	188	180	171	163	155	147	141	136	130	126	128	129	132	138	146	154	163
45	186	182	176	168	158	149	140	132	125	120	114	108	111	112	115	122	131	140	149
50	172	168	162	153	143	134	124	116	108	103	95.5	90.7	93.0	93.3	98.1	105	114	124	134
55	157	154	147	138	128	118	108	99.0	91.0	84.9	77.4	72.4	74.5	75.1	79.9	86.7	96.8	107	118
60	141	138	131	122	111	101	90.5	81.3	73.0	66.7	59.0	53.8	55.7	56.5	61.2	68.4	78.8	89.5	101
65	125	121	114	105	94.0	83.6	72.8	63.2	54.9	48.3	40.9	35.7	37.5	38.3	43.1	49.9	60.5	71.9	83.5
70	107	103	96.1	87.4	76.0	65.5	54.5	45.1	37.0	30.9	24.0	19.5	20.9	21.7	26.2	32.2	42.1	53.6	65.3
75	87.8	85.1	78.0	69.1	57.9	47.4	36.9	28.1	20.8	15.6	9.97	6.44	7.54	8.14	12.0	16.8	25.4	35.0	47.1
80	68.9	66.3	59.4	50.7	40.0	30.2	20.9	13.4	7.61	3.65	1.78	1.78	2.11	2.11	2.14	5.14	11.7	19.2	29.7
85	49.8	47.5	41.0	33.1	23.5	15.3	7.75	2.42	1.79	1.80	1.81	1.82	2.13	2.12	2.11	2.11	2.14	6.68	14.4
90	31.4	29.5	24.0	17.4	9.70	3.53	1.81	1.82	1.83	1.83	1.85	1.86	2.17	2.15	2.13	2.13	2.11	2.11	3.09
95	15.2	13.3	9.80	4.99	1.81	1.82	1.83	1.84	1.85	1.86	1.89	1.91	2.20	2.18	2.16	2.14	2.12	2.11	2.10
100	2.86	2.45	1.80	1.81	1.83	1.83	1.84	1.87	1.88	1.90	1.93	1.95	2.24	2.21	2.18	2.16	2.13	2.13	2.11
105	1.80	1.81	1.81	1.82	1.84	1.85	1.88	1.89	1.92	1.94	1.97	2.00	2.27	2.24	2.21	2.18	2.16	2.15	2.13
110	1.84	1.84	1.83	1.83	1.84	1.87	1.90	1.92	1.94	1.98	2.01	2.05	2.31	2.27	2.23	2.21	2.18	2.17	2.16
115	1.88	1.88	1.87	1.87	1.87	1.89	1.92	1.94	1.97	2.01	2.06	2.09	2.34	2.30	2.26	2.23	2.20	2.18	2.18
120	1.93	1.92	1.90	1.90	1.91	1.92	1.98	2.00	2.03	2.06	2.11	2.15	2.38	2.33	2.29	2.25	2.22	2.20	2.20
125	1.98	1.97	1.94	1.93	1.94	1.95	2.01	2.04	2.08	2.10	2.16	2.22	2.42	2.36	2.31	2.28	2.24	2.23	2.23
130	2.01	1.99	1.98	1.97	1.98	2.00	2.06	2.08	2.11	2.16	2.22	2.28	2.46	2.41	2.35	2.31	2.27	2.26	2.26
135	2.06	2.04	2.02	2.02	2.03	2.05	2.10	2.14	2.18	2.23	2.29	2.36	2.50	2.44	2.39	2.34	2.31	2.30	2.28
140	2.12	2.08	2.07	2.07	2.09	2.11	2.16	2.20	2.25	2.30	2.36	2.42	2.54	2.48	2.43	2.38	2.35	2.33	2.32
145	2.18	2.15	2.14	2.14	2.16	2.19	2.23	2.28	2.32	2.36	2.42	2.48	2.58	2.51	2.46	2.43	2.39	2.37	2.36
150	2.26	2.23	2.21	2.22	2.24	2.27	2.31	2.35	2.38	2.44	2.49	2.53	2.62	2.55	2.50	2.47	2.43	2.41	2.40
155	2.35	2.32	2.30	2.30	2.32	2.35	2.39	2.43	2.45	2.50	2.57	2.60	2.65	2.60	2.55	2.50	2.48	2.46	2.45
160	2.43	2.41	2.39	2.39	2.41	2.42	2.45	2.49	2.55	2.56	2.61	2.66	2.68	2.62	2.58	2.55	2.51	2.50	2.49
165	2.52	2.50	2.48	2.47	2.48	2.50	2.52	2.55	2.60	2.63	2.65	2.69	2.71	2.66	2.62	2.60	2.56	2.56	2.55
170	2.60	2.58	2.55	2.54	2.55	2.55	2.58	2.60	2.63	2.66	2.69	2.72	2.73	2.68	2.65	2.62	2.61	2.59	2.60
175	2.67	2.64	2.61	2.60	2.60	2.60	2.61	2.66	2.67	2.70	2.72	2.75	2.75	2.69	2.67	2.65	2.63	2.62	2.62
180	2.72	2.69	2.65	2.65	2.63	2.63	2.64	2.65	2.67	2.69	2.70	2.73	2.73	2.68	2.66	2.64	2.63	2.64	2.64

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:0.0841A P:9.546W PF:0.9460 Lamp Flux:754x1 lm		
NAME: ASD-MPR-5D10CC-WH/BK 4000K	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	218	219	219	220	220														
5	219	220	222	224	224														
10	218	220	222	225	227														
15	215	218	221	225	227														
20	210	214	217	221	225														
25	203	208	212	216	221														
30	194	200	205	210	215														
35	184	190	196	202	207														
40	172	179	185	191	197														
45	158	166	172	179	185														
50	144	152	159	166	172														
55	128	137	144	151	157														
60	111	121	128	136	142														
65	93.9	103	111	119	125														
70	75.8	85.5	92.8	101	107														
75	57.2	67.2	74.2	82.8	88.6														
80	39.0	48.5	55.3	64.0	69.8														
85	22.4	30.6	36.9	45.0	50.7														
90	8.58	15.1	20.3	27.3	32.4														
95	2.10	3.31	6.93	12.4	16.0														
100	2.11	2.11	2.11	2.13	3.83														
105	2.13	2.13	2.13	2.11	2.10														
110	2.15	2.15	2.15	2.14	2.13														
115	2.17	2.18	2.18	2.18	2.15														
120	2.20	2.20	2.20	2.21	2.20														
125	2.21	2.22	2.24	2.23	2.24														
130	2.25	2.25	2.26	2.25	2.27														
135	2.27	2.27	2.28	2.28	2.29														
140	2.31	2.30	2.31	2.33	2.33														
145	2.35	2.35	2.35	2.35	2.36														
150	2.39	2.39	2.39	2.40	2.41														
155	2.45	2.44	2.45	2.45	2.46														
160	2.50	2.49	2.50	2.51	2.53														
165	2.55	2.55	2.55	2.57	2.58														
170	2.59	2.60	2.60	2.62	2.65														
175	2.63	2.64	2.66	2.68	2.72														
180	2.66	2.67	2.69	2.70	2.73														

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: