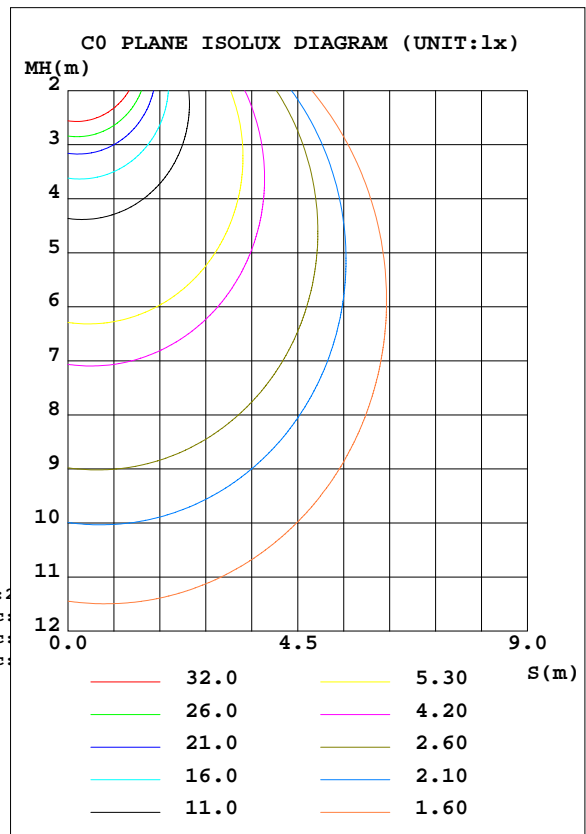
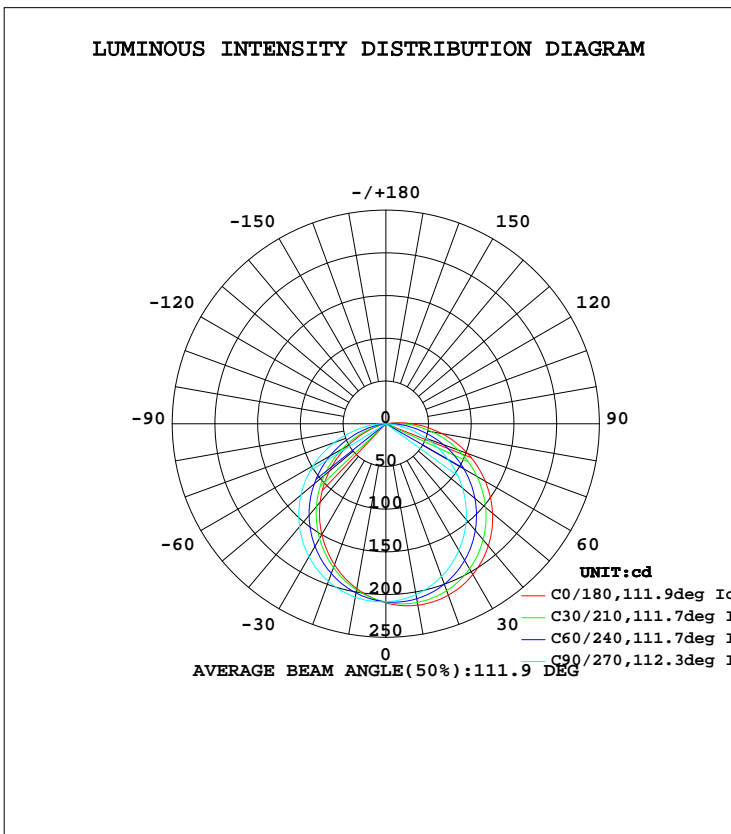


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.0828A P:9.371W PF:0.9439 Lamp Flux:695x1 lm		
NAME: ASD-MPR-5D10CC-WH/BK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 74.17 lm/W			
MODEL	ASD-MPR-5D10CC-WH/BK	I _{max} (cd)	215.8	S/MH(C0/180)	1.09
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	695	η UP, DN(C0-180)	1.3,48.8
NOMINAL FLUX(lm)	695	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.3,48.6
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	$\%lum, lamp$
10	215.6	210.5	203.0	198.8	196.0	198.9	206.2	212.2	0- 10	19.75	19.75	3.17,3.17
20	213.6	204.6	190.4	181.4	175.7	182.2	196.4	207.5	10- 20	56.54	76.29	12.2,12.2
30	203.7	191.2	171.1	158.1	149.9	159.5	179.9	195.3	20- 30	85.59	161.9	25.9,25.9
40	186.6	171.3	146.4	130.1	119.7	131.8	157.2	176.3	30- 40	103.1	265.0	42.5,42.5
50	163.1	145.6	117.2	98.40	86.39	100.1	129.7	151.2	40- 50	106.9	371.9	59.6,59.6
60	134.3	115.6	84.68	64.13	51.21	65.64	98.31	121.5	50- 60	96.73	468.6	75.1,75.1
70	101.8	82.55	50.38	29.91	18.51	31.18	63.98	88.17	60- 70	74.34	543.0	87,87
80	66.63	47.67	18.61	3.718	1.968	5.177	29.83	52.44	70- 80	44.91	587.9	94.2,94.2
90	31.05	16.04	1.741	1.749	2.022	1.995	3.670	19.08	80- 90	19.68	607.6	97.4,97.4
100	3.229	1.733	1.771	1.814	2.095	2.033	1.991	1.983	90-100	5.372	612.9	98.3,98.3
110	1.745	1.749	1.818	1.891	2.164	2.076	2.034	2.030	100-110	2.036	615.0	98.6,98.6
120	1.825	1.810	1.895	1.968	2.230	2.126	2.080	2.087	110-120	1.954	616.9	98.9,98.9
130	1.899	1.879	1.964	2.061	2.315	2.184	2.134	2.141	120-130	1.828	618.8	99.2,99.2
140	1.999	1.972	2.068	2.192	2.388	2.264	2.207	2.191	130-140	1.638	620.4	99.5,99.5
150	2.126	2.115	2.211	2.326	2.461	2.353	2.288	2.276	140-150	1.391	621.8	99.7,99.7
160	2.288	2.276	2.353	2.442	2.523	2.426	2.376	2.380	150-160	1.077	622.9	99.9,99.9
170	2.449	2.415	2.465	2.542	2.573	2.496	2.473	2.488	160-170	0.6908	623.6	100,100
180	2.565	2.519	2.519	2.573	2.569	2.519	2.523	2.565	170-180	0.2402	623.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

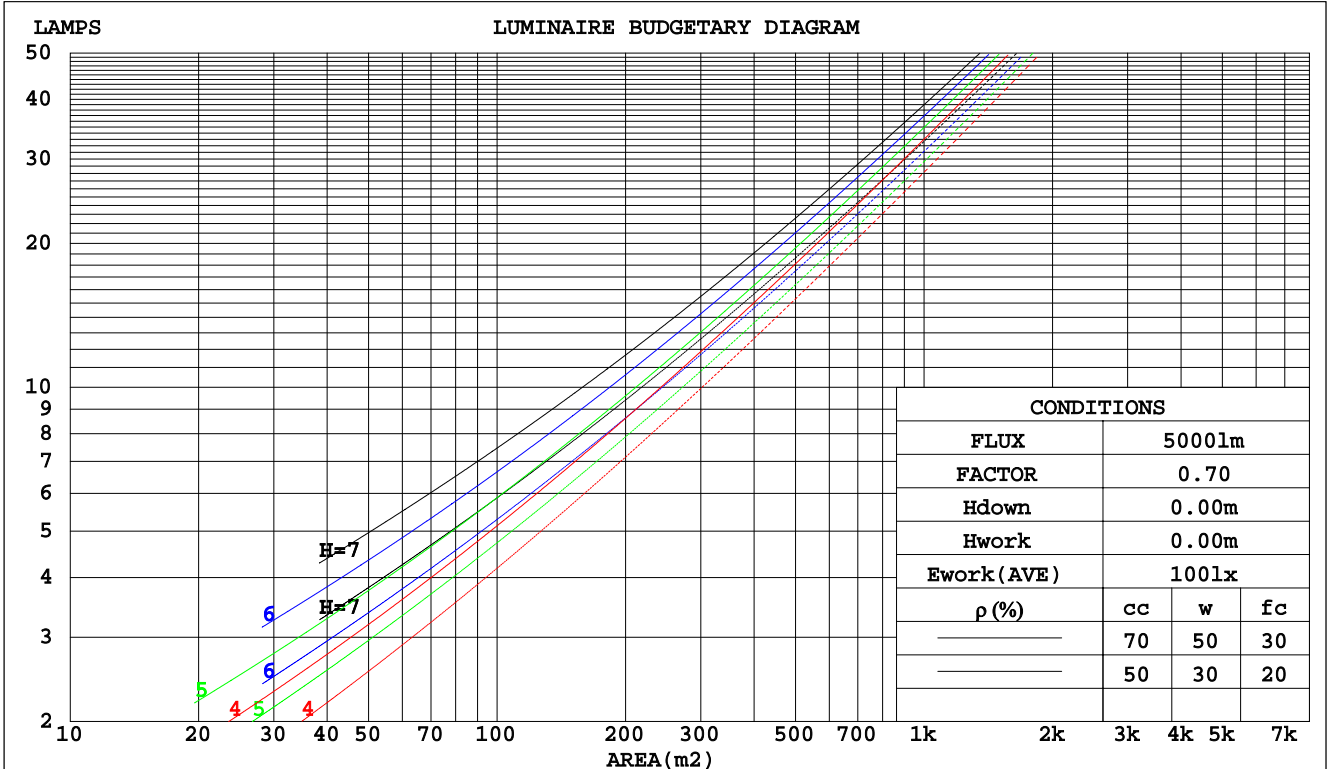
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-04-13

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:0.0828A P:9.371W PF:0.9439 Lamp Flux:695x1 lm		
NAME: ASD-MPR-5D10CC-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																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:0.0828A P:9.371W PF:0.9439 Lamp Flux:695x1 lm		
NAME: ASD-MPR-5D10CC-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	.324	.184	.058	.316	.180	.057	.301	.173	.055	.287	.166	.053	.275	.159	.051	
2.0	.299	.164	.050	.292	.161	.049	.279	.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	.185	.135	.094	.159	.116	.081	.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	.059	.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:0.0828A P:9.371W PF:0.9439 Lamp Flux:695x1 lm										
NAME: ASD-MPR-5D10CC-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	16.9	18.4	17.2	18.7	18.9	15.2	16.7	15.6	17.0	17.3
3H	19.1	20.5	19.4	20.8	21.1	16.7	18.1	17.0	18.3	18.6
4H	20.2	21.5	20.5	21.8	22.1	17.2	18.5	17.6	18.8	19.1
6H	21.2	22.5	21.6	22.8	23.1	17.5	18.8	17.9	19.1	19.4
8H	21.8	23.0	22.1	23.3	23.6	17.6	18.8	18.0	19.1	19.5
12H	22.3	23.5	22.7	23.8	24.2	17.6	18.8	18.0	19.1	19.5
4H 2H	17.5	18.8	17.8	19.1	19.4	16.2	17.6	16.6	17.9	18.2
3H	19.9	21.0	20.3	21.4	21.7	17.9	19.1	18.3	19.4	19.8
4H	21.1	22.2	21.5	22.5	22.9	18.6	19.7	19.0	20.0	20.4
6H	22.4	23.3	22.8	23.7	24.1	19.1	20.0	19.5	20.4	20.8
8H	23.0	23.9	23.5	24.3	24.7	19.2	20.1	19.7	20.5	21.0
12H	23.7	24.5	24.1	24.9	25.4	19.3	20.1	19.8	20.5	21.0
8H 4H	21.4	22.3	21.9	22.7	23.1	19.3	20.2	19.7	20.6	21.0
6H	22.9	23.6	23.4	24.1	24.6	20.0	20.8	20.5	21.2	21.7
8H	23.7	24.3	24.2	24.8	25.3	20.3	20.9	20.8	21.4	21.9
12H	24.6	25.1	25.1	25.6	26.1	20.5	21.0	21.0	21.5	22.0
12H 4H	21.4	22.2	21.9	22.7	23.1	19.4	20.2	19.9	20.7	21.1
6H	23.0	23.6	23.5	24.1	24.6	20.3	21.0	20.8	21.4	21.9
8H	23.8	24.4	24.3	24.9	25.4	20.7	21.2	21.2	21.7	22.3
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 623.8 lm Total Lamp Luminous Flux. (8log(F/F0) = -1.6)

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:0.0828A P:9.371W PF:0.9439 Lamp Flux:695x1 lm		
NAME: ASD-MPR-5D10CC-WH/BK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

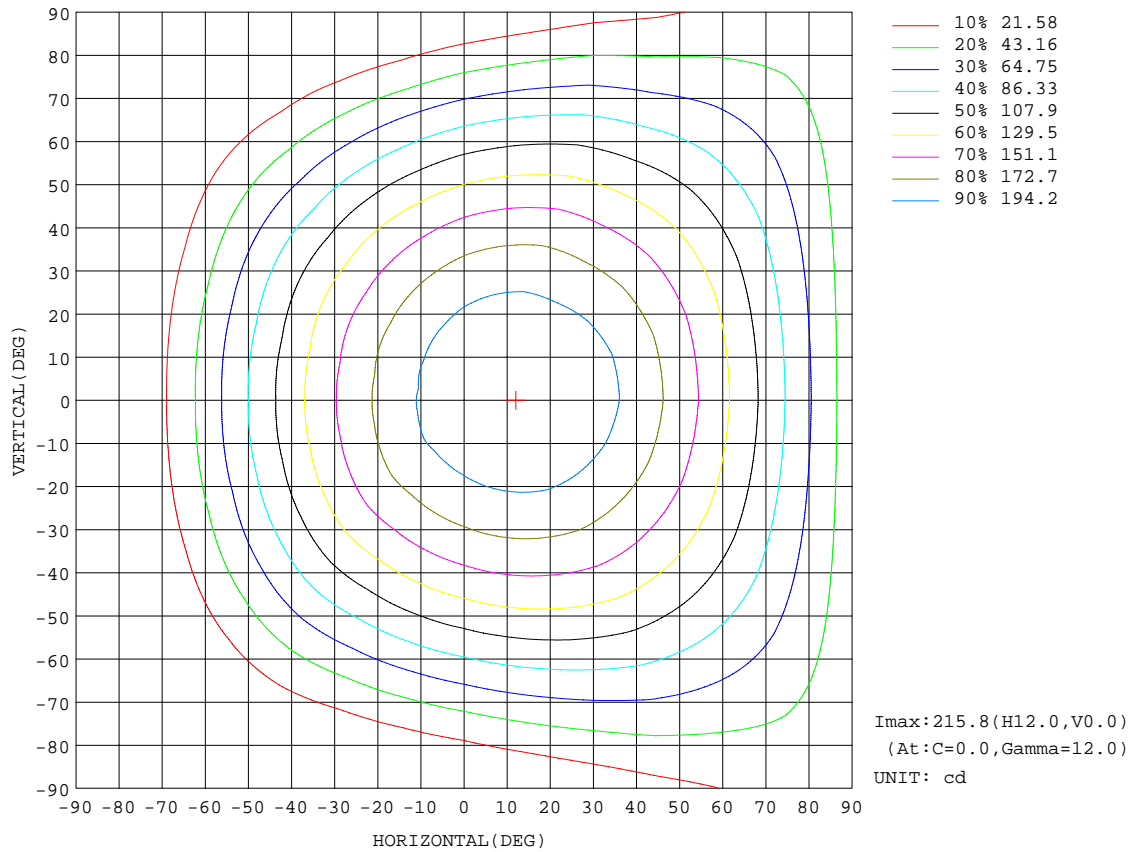
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	45	37	55	44	37	54	44	37	31
0.80	66	54	47	65	54	47	63	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:0.0828A P:9.371W PF:0.9439 Lamp Flux:695x1 lm		
NAME: ASD-MPR-5D10CC-WH/BK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

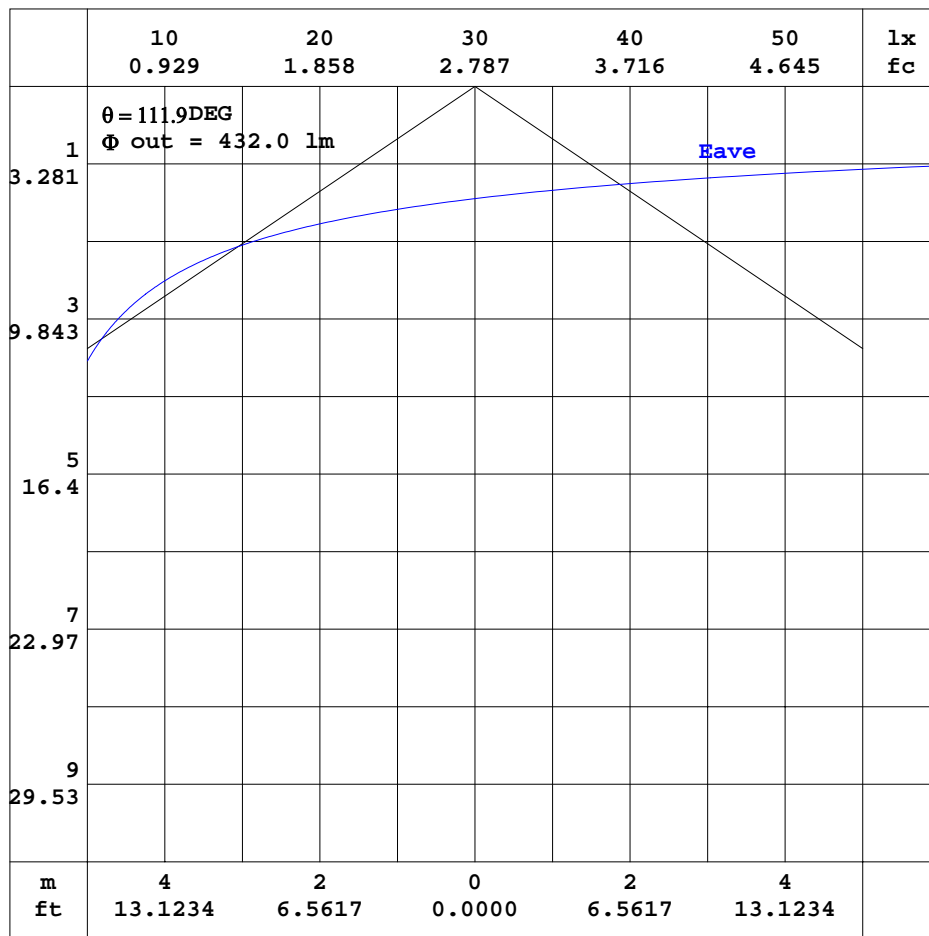


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-04-13

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:

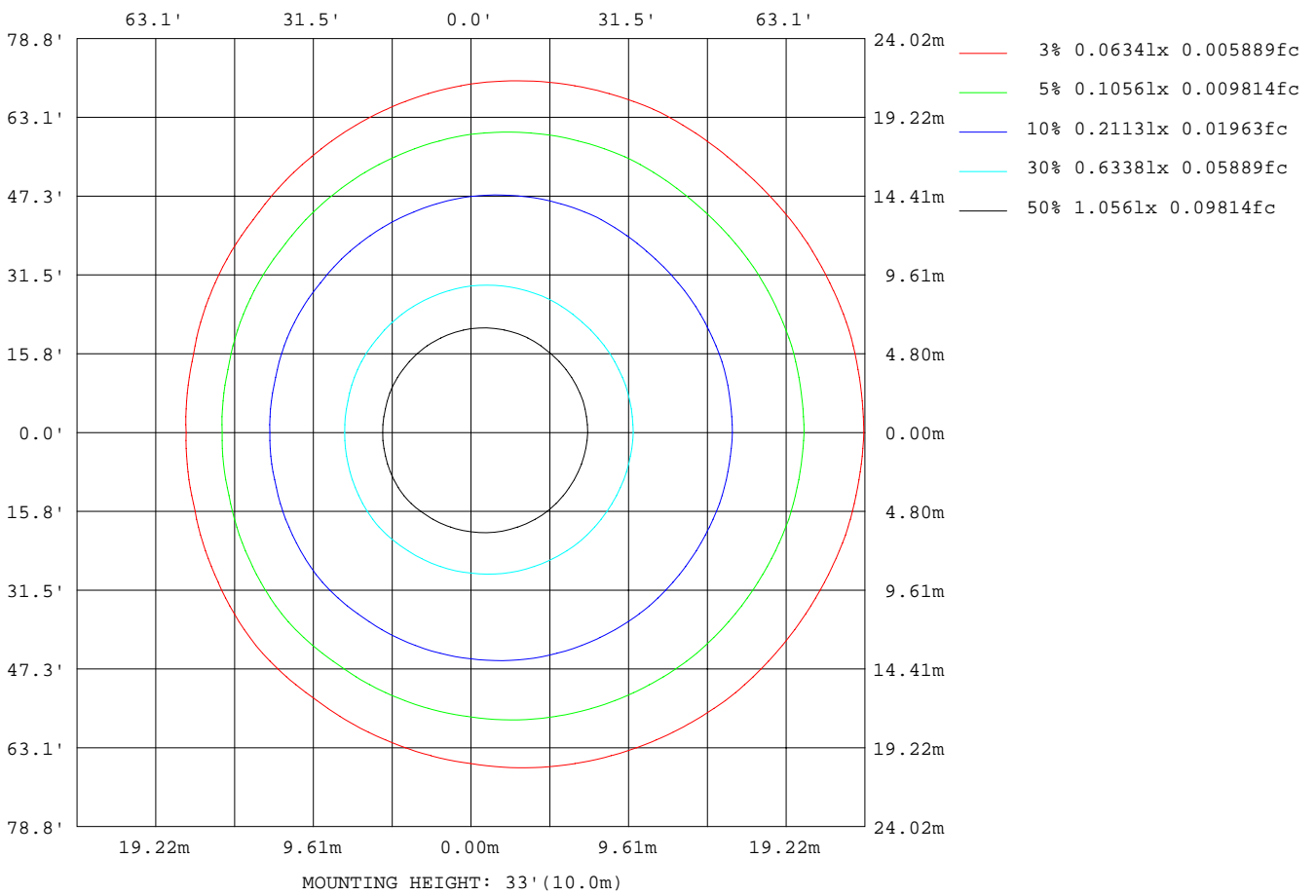
AAI CURVES

Test:U:120.0V I:0.0828A P:9.371W PF:0.9439 Lamp Flux:695x1 lm		
NAME: ASD-MPR-5D10CC-WH/BK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:



ISOLUX DIAGRAM

Test:U:120.0V I:0.0828A P:9.371W PF:0.9439 Lamp Flux:695x1 lm		
NAME: ASD-MPR-5D10CC-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:0.0828A P:9.371W PF:0.9439 Lamp Flux:695x1 lm		
NAME: ASD-MPR-5D10CC-WH/BK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

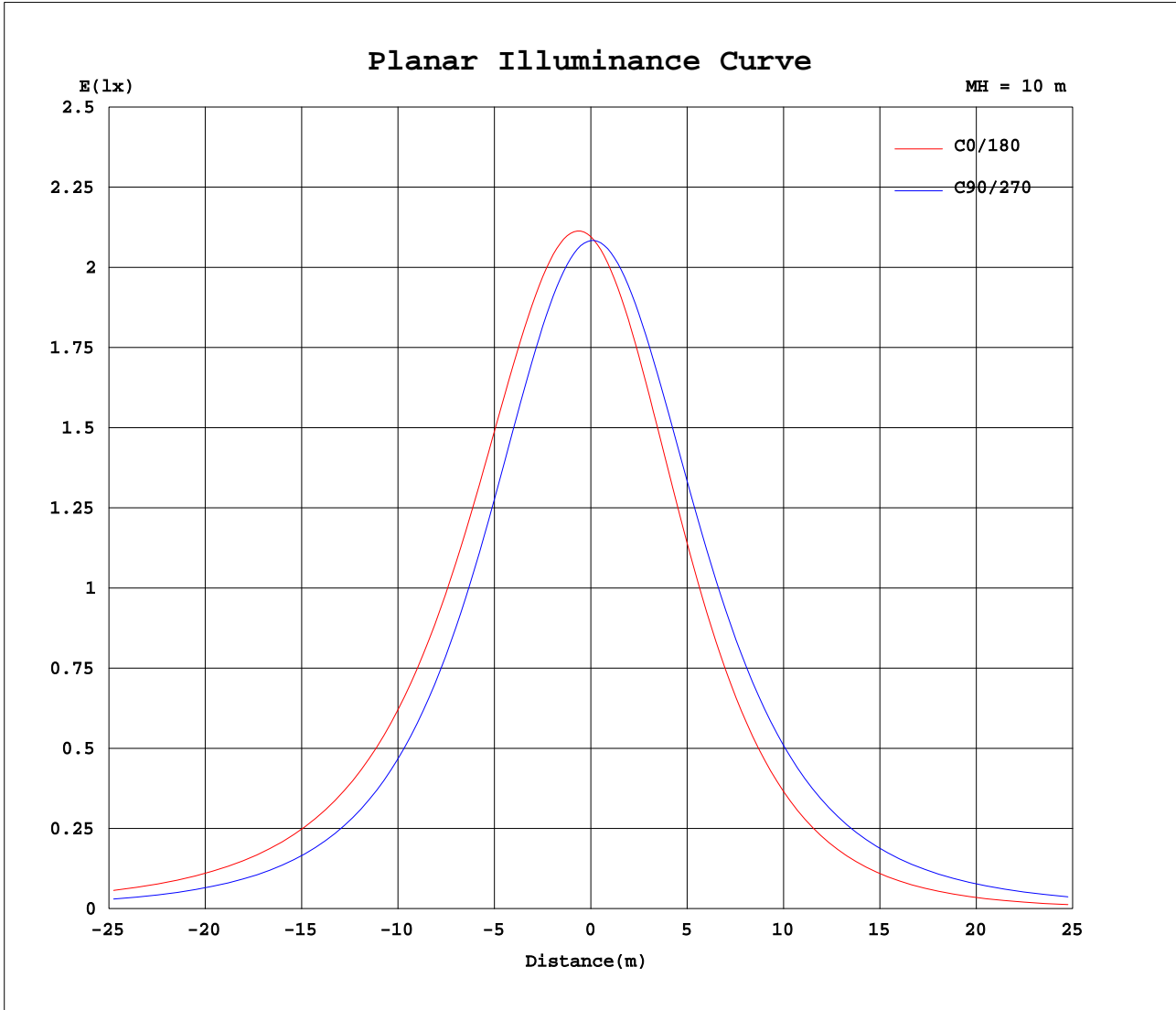
AvgL	cd/m2
L_0~180(65)av	1805
L_0~180(75)av	1752
L_0~180(85)av	2897
L_90~270(65)av	1765
L_90~270(75)av	1550
L_90~270(85)av	1223
L_45(65)av	1771
L_45(75)av	1617
L_45(85)av	1992

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:0.0828A P:9.371W PF:0.9439 Lamp Flux:695x1 lm		
NAME: ASD-MPR-5D10CC-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	210	209	209	209	208	208	208	209	209	209	209	210	210	209	209	209	208	208	208
5	214	212	212	210	209	208	207	206	205	205	204	204	204	203	204	205	206	207	208
10	216	214	212	210	208	205	203	201	199	199	197	196	196	196	197	199	201	203	206
15	216	214	211	208	205	201	198	195	192	191	188	187	187	187	189	191	195	198	202
20	214	211	208	205	200	195	190	186	183	181	178	176	176	176	179	182	187	191	196
25	210	207	203	199	193	187	181	177	173	170	167	164	163	164	168	172	177	183	189
30	204	201	196	191	185	178	171	166	161	158	154	151	150	151	155	159	166	173	180
35	196	193	187	182	174	167	159	153	148	145	140	136	135	136	141	146	153	161	169
40	187	183	177	171	163	155	146	140	133	130	125	121	120	121	126	132	140	148	157
45	176	172	166	159	150	141	132	125	118	115	109	104	103	105	111	117	125	134	144
50	163	159	152	146	136	127	117	109	102	98.4	92.1	87.6	86.4	88.2	94.3	100	109	119	130
55	149	145	138	131	121	111	101	93.0	85.6	81.5	74.9	70.1	68.9	71.0	77.0	83.1	92.8	103	114
60	134	130	123	116	105	95.2	84.7	76.1	68.4	64.1	57.2	52.4	51.2	53.3	59.3	65.6	75.8	86.5	98.3
65	119	115	107	99.4	89.0	78.4	67.7	58.8	51.1	46.6	40.0	35.1	34.0	36.1	42.1	48.1	58.2	69.9	81.4
70	102	98.0	90.2	82.5	71.9	61.2	50.4	41.6	34.1	29.9	23.7	19.5	18.5	20.4	25.9	31.2	40.6	52.3	64.0
75	84.5	80.7	73.0	65.2	54.6	44.0	33.6	25.5	18.9	15.2	10.2	6.78	6.21	7.61	12.2	16.6	24.7	34.4	46.6
80	66.6	62.9	55.3	47.7	37.5	27.7	18.6	11.7	6.44	3.72	1.72	1.70	1.97	1.98	2.20	5.18	11.6	19.3	29.8
85	48.5	45.1	37.9	30.9	21.9	13.6	6.39	1.81	1.72	1.72	1.73	1.73	1.99	1.99	1.98	1.98	2.07	7.08	14.9
90	31.1	28.1	21.9	16.0	8.86	2.81	1.74	1.74	1.74	1.75	1.76	1.77	2.02	2.02	2.00	1.99	1.98	1.98	3.67
95	15.3	12.4	8.57	4.40	1.74	1.75	1.76	1.77	1.78	1.78	1.80	1.81	2.06	2.05	2.03	2.01	2.00	1.99	1.98
100	3.23	2.36	1.73	1.73	1.75	1.76	1.77	1.79	1.81	1.81	1.84	1.86	2.10	2.07	2.05	2.03	2.02	2.00	1.99
105	1.71	1.72	1.74	1.74	1.76	1.77	1.80	1.82	1.84	1.86	1.88	1.90	2.13	2.10	2.07	2.05	2.03	2.02	2.01
110	1.74	1.75	1.75	1.75	1.76	1.79	1.82	1.84	1.87	1.89	1.92	1.94	2.16	2.13	2.10	2.08	2.06	2.04	2.03
115	1.78	1.78	1.78	1.78	1.79	1.80	1.84	1.86	1.89	1.93	1.96	1.99	2.19	2.16	2.13	2.10	2.08	2.07	2.06
120	1.83	1.83	1.82	1.81	1.82	1.83	1.89	1.92	1.94	1.97	2.01	2.05	2.23	2.19	2.15	2.13	2.10	2.09	2.08
125	1.87	1.86	1.84	1.84	1.85	1.86	1.93	1.96	1.99	2.01	2.05	2.11	2.27	2.22	2.19	2.15	2.12	2.11	2.10
130	1.90	1.89	1.88	1.88	1.89	1.91	1.96	2.00	2.03	2.06	2.12	2.16	2.31	2.26	2.23	2.18	2.16	2.14	2.13
135	1.94	1.93	1.93	1.92	1.94	1.96	2.01	2.05	2.09	2.12	2.18	2.24	2.35	2.30	2.26	2.22	2.19	2.18	2.17
140	2.00	1.97	1.98	1.97	2.00	2.03	2.07	2.11	2.16	2.19	2.25	2.31	2.39	2.33	2.30	2.26	2.23	2.21	2.21
145	2.06	2.03	2.03	2.04	2.06	2.09	2.14	2.17	2.22	2.26	2.30	2.37	2.43	2.37	2.33	2.31	2.27	2.25	2.25
150	2.13	2.11	2.11	2.11	2.14	2.17	2.21	2.25	2.28	2.33	2.38	2.41	2.46	2.41	2.38	2.35	2.31	2.30	2.29
155	2.21	2.19	2.19	2.20	2.21	2.24	2.28	2.32	2.35	2.38	2.45	2.48	2.50	2.45	2.41	2.38	2.35	2.34	2.33
160	2.29	2.26	2.27	2.28	2.30	2.31	2.35	2.38	2.44	2.44	2.48	2.54	2.52	2.48	2.45	2.43	2.39	2.38	2.38
165	2.37	2.36	2.36	2.35	2.37	2.38	2.41	2.44	2.49	2.51	2.53	2.56	2.55	2.51	2.50	2.47	2.45	2.44	2.43
170	2.45	2.43	2.42	2.41	2.43	2.44	2.46	2.49	2.52	2.54	2.56	2.60	2.57	2.54	2.51	2.50	2.49	2.48	2.47
175	2.51	2.49	2.48	2.48	2.48	2.48	2.50	2.53	2.56	2.58	2.61	2.62	2.57	2.55	2.53	2.52	2.51	2.50	2.50
180	2.56	2.53	2.52	2.52	2.52	2.51	2.52	2.54	2.55	2.57	2.58	2.60	2.57	2.53	2.53	2.52	2.51	2.51	2.52

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:0.0828A P:9.371W PF:0.9439 Lamp Flux:695x1 lm		
NAME: ASD-MPR-5D10CC-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	209	209	209	209	210														
5	209	211	212	213	213														
10	208	211	212	214	215														
15	206	209	211	213	215														
20	201	205	207	211	213														
25	194	199	202	206	209														
30	186	192	195	200	203														
35	176	183	187	192	196														
40	165	172	176	182	186														
45	152	160	164	170	175														
50	139	147	151	158	162														
55	124	132	137	144	149														
60	108	117	121	129	134														
65	91.3	100	105	112	118														
70	74.1	83.1	88.2	95.5	101														
75	56.3	65.6	70.4	78.1	83.4														
80	38.8	47.7	52.4	60.1	65.5														
85	22.7	30.4	34.9	42.0	47.3														
90	9.18	15.4	19.1	25.2	30.0														
95	1.98	3.74	6.30	11.1	14.5														
100	1.99	1.98	1.98	1.99	3.22														
105	2.01	2.00	2.00	2.00	1.98														
110	2.03	2.03	2.03	2.02	2.01														
115	2.05	2.06	2.06	2.05	2.03														
120	2.07	2.08	2.09	2.08	2.07														
125	2.10	2.10	2.11	2.11	2.11														
130	2.12	2.13	2.14	2.13	2.14														
135	2.15	2.15	2.17	2.16	2.17														
140	2.19	2.18	2.19	2.21	2.21														
145	2.23	2.23	2.24	2.24	2.25														
150	2.28	2.27	2.28	2.28	2.29														
155	2.33	2.32	2.33	2.34	2.34														
160	2.38	2.37	2.38	2.40	2.41														
165	2.43	2.43	2.44	2.45	2.46														
170	2.47	2.47	2.49	2.50	2.53														
175	2.50	2.52	2.54	2.56	2.59														
180	2.53	2.55	2.56	2.58	2.60														

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: