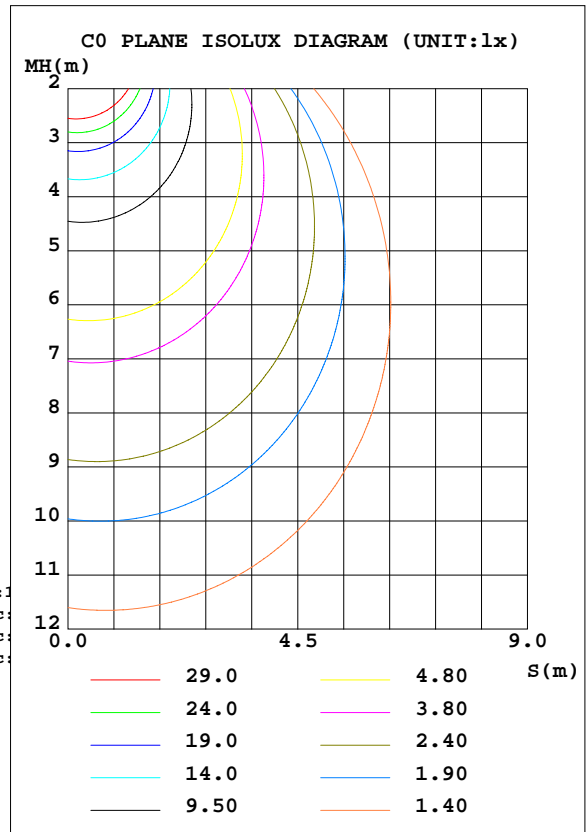
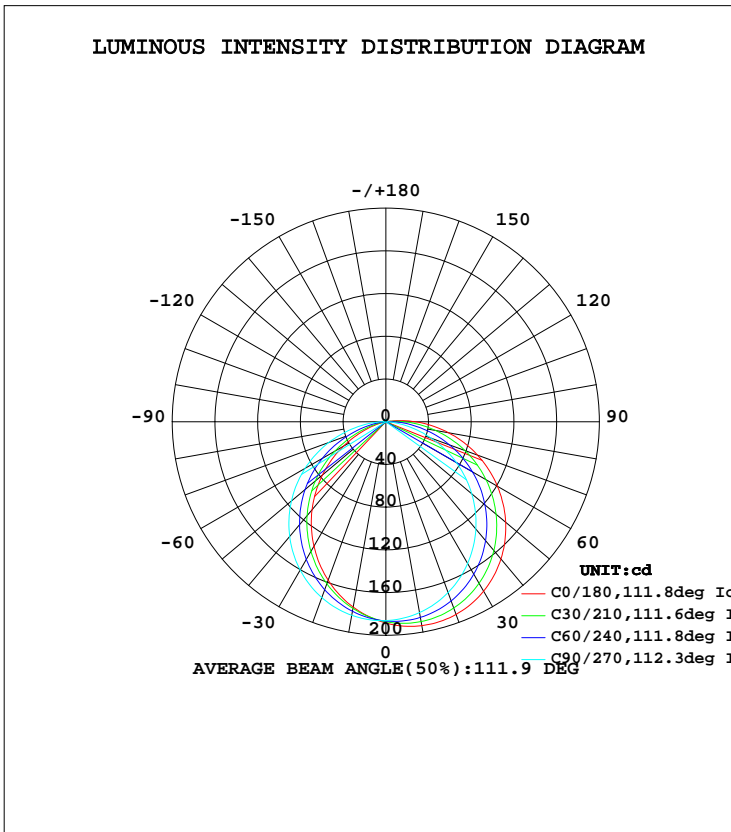


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.0822A P:9.296W PF:0.9423 Lamp Flux:667x1 lm		
NAME: ASD-MPR-5D10CC-WH/BK 3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 71.76 lm/W			
MODEL	ASD-MPR-5D10CC-WH/BK	I _{max} (cd)	194.1	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)	667	η UP, DN(C0-180)	1.2,48.1
NOMINAL FLUX(lm)	667	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.4,49.2
LAMPS INSIDE	1	η up(%)	2.7	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	97.3	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-12

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	193.8	188.1	181.4	175.9	176.2	178.6	184.0	189.8	0- 10	17.65	17.65	3.16,3.16
20	192.1	182.3	170.3	159.5	158.0	164.0	175.3	186.6	10- 20	50.52	68.17	12.2,12.2
30	183.1	170.0	153.2	138.0	134.7	144.0	160.5	176.6	20- 30	76.48	144.7	25.9,25.9
40	167.7	151.8	131.2	112.4	107.5	119.6	140.2	160.3	30- 40	92.14	236.8	42.4,42.4
50	146.5	128.6	105.2	83.68	77.58	91.67	115.5	138.6	40- 50	95.56	332.3	59.5,59.5
60	120.6	101.5	76.13	52.84	45.96	60.92	87.38	112.6	50- 60	86.47	418.8	74.9,74.9
70	91.35	71.72	45.40	22.82	16.63	29.87	56.79	83.12	60- 70	66.49	485.3	86.8,86.8
80	59.74	40.49	16.93	1.602	1.841	5.819	26.32	51.37	70- 80	40.41	525.7	94.1,94.1
90	27.80	12.72	1.552	1.571	1.880	1.845	3.153	20.78	80- 90	18.10	543.8	97.3,97.3
100	2.839	1.556	1.579	1.633	1.933	1.872	1.841	1.834	90-100	5.188	549.0	98.2,98.2
110	1.575	1.575	1.621	1.702	1.987	1.903	1.868	1.868	100-110	1.872	550.9	98.6,98.6
120	1.644	1.633	1.691	1.772	2.041	1.941	1.906	1.914	110-120	1.775	552.7	98.9,98.9
130	1.706	1.695	1.756	1.864	2.099	1.976	1.941	1.953	120-130	1.656	554.3	99.2,99.2
140	1.795	1.783	1.852	1.980	2.168	2.037	1.999	1.991	130-140	1.480	555.8	99.5,99.5
150	1.910	1.903	1.979	2.103	2.218	2.107	2.061	2.049	140-150	1.253	557.0	99.7,99.7
160	2.060	2.049	2.103	2.195	2.272	2.172	2.138	2.137	150-160	0.9683	558.0	99.9,99.9
170	2.203	2.176	2.207	2.280	2.315	2.245	2.218	2.230	160-170	0.6201	558.6	100,100
180	2.307	2.261	2.261	2.299	2.315	2.257	2.261	2.295	170-180	0.2155	558.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

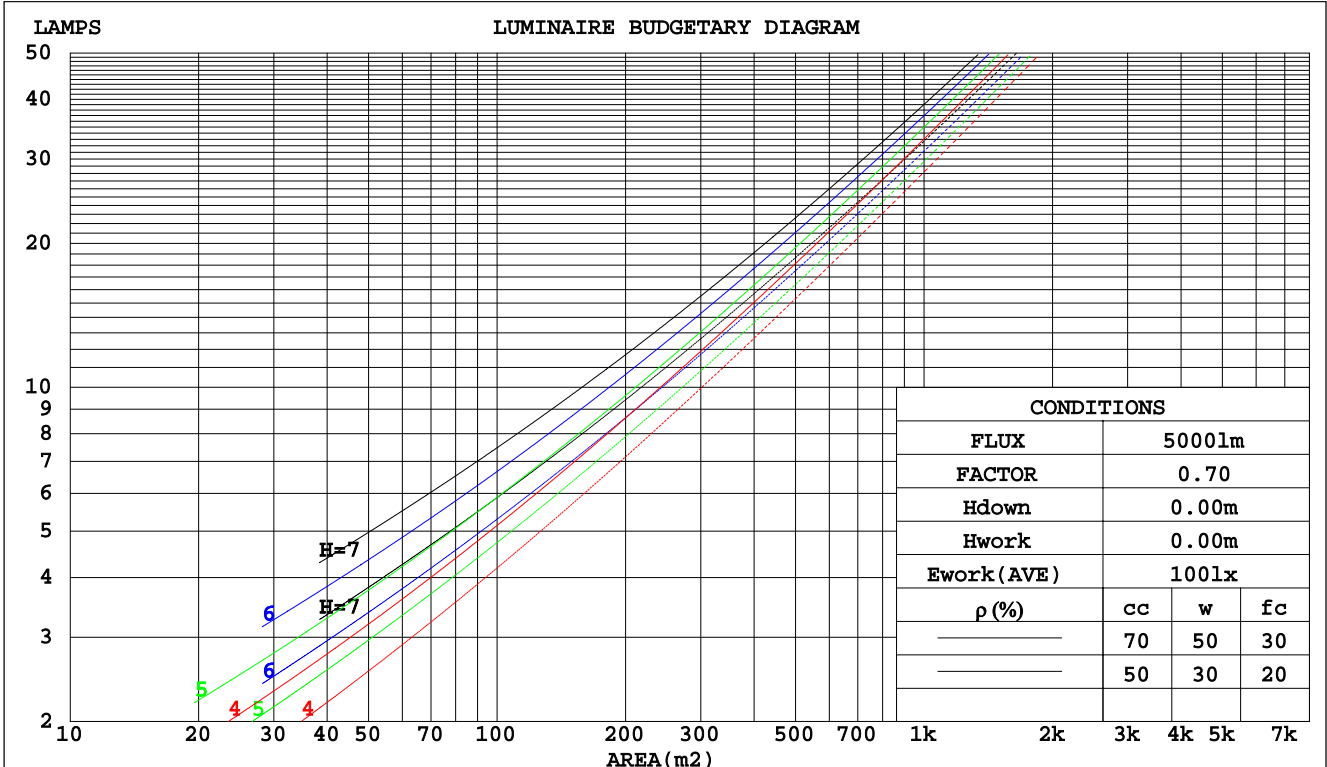
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-12

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:0.0822A P:9.296W PF:0.9423 Lamp Flux:667x1 lm		
NAME: ASD-MPR-5D10CC-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	1.04	1.04	1.04	.00	.00	.00	.97
1.0	1.02	.98	.94	.00	.96	.92	.95	.92	.89	.91	.88	.85	.87	.84	.82	.80
2.0	.89	.82	.76	.87	.80	.75	.83	.77	.73	.79	.75	.71	.76	.72	.69	.66
3.0	.78	.70	.63	.76	.68	.62	.73	.66	.61	.70	.64	.59	.67	.62	.58	.56
4.0	.69	.60	.53	.68	.59	.53	.65	.57	.52	.62	.56	.51	.59	.54	.50	.47
5.0	.62	.53	.46	.60	.52	.45	.58	.50	.45	.56	.49	.44	.53	.48	.43	.41
6.0	.55	.46	.40	.54	.46	.40	.52	.45	.39	.50	.44	.38	.48	.43	.38	.36
7.0	.50	.41	.35	.49	.41	.35	.47	.40	.35	.46	.39	.34	.44	.38	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.43	.36	.31	.42	.35	.30	.41	.35	.30	.28
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.27	.37	.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: 2022-04-12

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:0.0822A P:9.296W PF:0.9423 Lamp Flux:667x1 lm		
NAME: ASD-MPR-5D10CC-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	.325	.185	.059	.317	.181	.057	.302	.173	.055	.288	.166	.053	.276	.160	.052	
2.0	.299	.164	.050	.292	.161	.050	.279	.155	.048	.267	.150	.047	.256	.145	.046	
3.0	.274	.146	.044	.268	.144	.043	.256	.139	.042	.246	.135	.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	.211	.211	.211	.180	.180	.180	.123	.123	.123	.071	.071	.071	.023	.023	.023	
1.0	.202	.177	.154	.173	.152	.132	.118	.104	.092	.068	.060	.053	.022	.019	.017	
2.0	.194	.153	.118	.166	.131	.102	.114	.091	.071	.066	.053	.042	.021	.017	.014	
3.0	.186	.135	.095	.160	.117	.082	.110	.081	.058	.063	.047	.034	.020	.015	.011	
4.0	.179	.122	.079	.153	.105	.069	.105	.073	.048	.061	.043	.029	.020	.014	.009	
5.0	.171	.112	.068	.147	.097	.059	.101	.068	.042	.059	.040	.025	.019	.013	.008	
6.0	.164	.103	.060	.141	.090	.052	.097	.063	.037	.056	.037	.022	.018	.012	.007	
7.0	.157	.097	.054	.135	.084	.047	.093	.059	.034	.054	.035	.020	.018	.011	.007	
8.0	.150	.091	.050	.129	.079	.043	.090	.055	.031	.052	.033	.018	.017	.011	.006	
9.0	.144	.086	.046	.124	.075	.040	.086	.052	.029	.050	.031	.017	.016	.010	.006	
10.0	.139	.082	.044	.119	.071	.038	.083	.050	.027	.048	.029	.016	.016	.010	.005	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-12

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:0.0822A P:9.296W PF:0.9423 Lamp Flux:667x1 lm										
NAME: ASD-MPR-5D10CC-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	16.5	18.0	16.8	18.2	18.5	14.9	16.4	15.2	16.6	16.9
3H	18.7	20.0	19.0	20.3	20.6	16.3	17.7	16.6	18.0	18.3
4H	19.7	21.1	20.1	21.4	21.7	16.8	18.2	17.2	18.5	18.8
6H	20.8	22.0	21.2	22.4	22.7	17.2	18.4	17.5	18.7	19.1
8H	21.3	22.5	21.7	22.9	23.2	17.3	18.5	17.6	18.8	19.1
12H	21.9	23.0	22.3	23.4	23.7	17.3	18.4	17.7	18.8	19.1
4H 2H	17.0	18.3	17.4	18.6	19.0	15.8	17.1	16.2	17.4	17.7
3H	19.4	20.6	19.8	20.9	21.3	17.5	18.6	17.9	19.0	19.4
4H	20.6	21.7	21.1	22.1	22.5	18.2	19.2	18.6	19.6	20.0
6H	21.9	22.8	22.3	23.2	23.7	18.7	19.6	19.1	20.0	20.5
8H	22.5	23.4	23.0	23.8	24.3	18.8	19.7	19.3	20.1	20.6
12H	23.2	24.0	23.7	24.4	24.9	18.9	19.7	19.4	20.2	20.6
8H 4H	20.9	21.8	21.4	22.2	22.6	18.8	19.7	19.3	20.1	20.6
6H	22.4	23.1	22.9	23.6	24.0	19.6	20.3	20.1	20.8	21.2
8H	23.2	23.8	23.7	24.3	24.8	19.8	20.5	20.3	21.0	21.5
12H	24.0	24.6	24.6	25.1	25.6	20.0	20.6	20.5	21.1	21.6
12H 4H	20.9	21.7	21.4	22.2	22.6	19.0	19.8	19.4	20.2	20.7
6H	22.4	23.1	22.9	23.6	24.1	19.8	20.5	20.3	21.0	21.5
8H	23.3	23.9	23.8	24.4	24.9	20.2	20.8	20.7	21.3	21.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.4				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.6				

CIE Pub.117 Corrected 558.8 lm Total Lamp Luminous Flux. (8log(F/F0) = -2.0)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-12

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:0.0822A P:9.296W PF:0.9423 Lamp Flux:667x1 lm		
NAME: ASD-MPR-5D10CC-WH/BK 3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

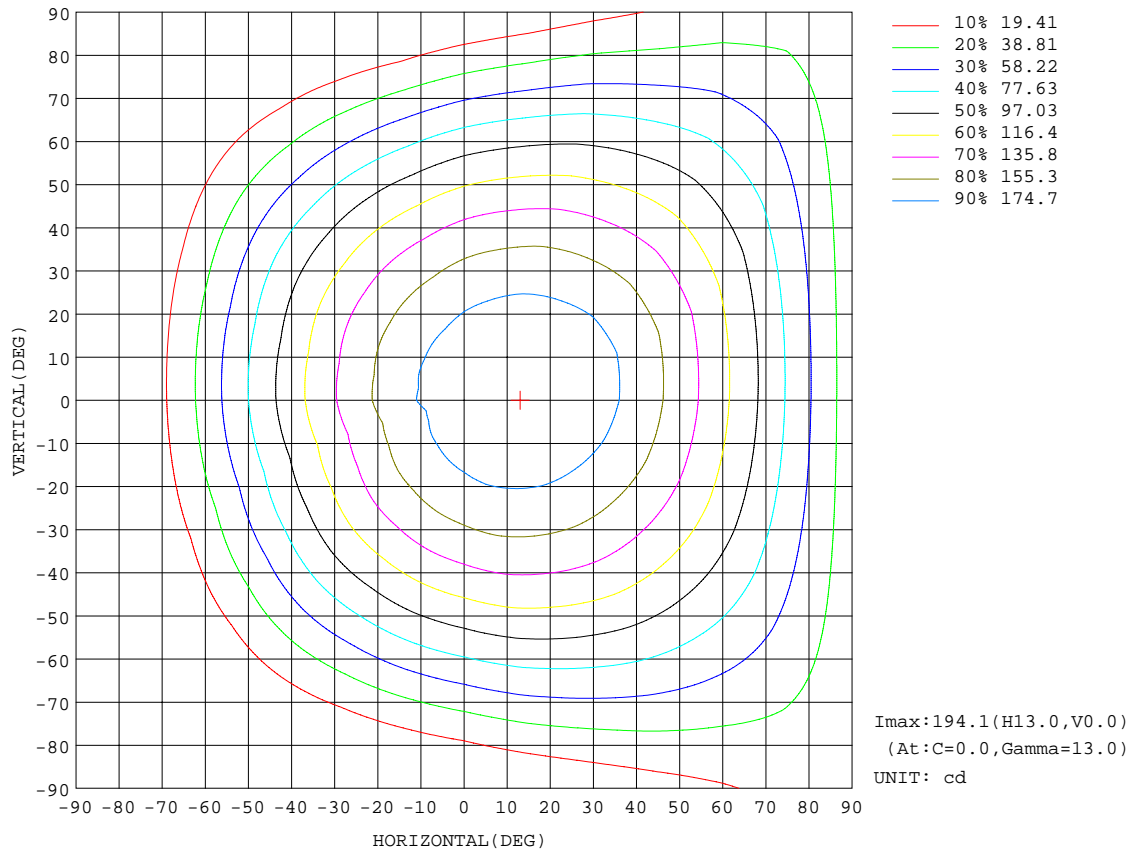
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	56	44	37	55	44	37	54	44	37	31
0.80	66	54	47	65	54	47	63	53	46	39
1.00	74	63	55	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	80	75	67
2.50	97	89	83	95	87	82	91	85	80	71
3.00	101	93	87	98	92	86	94	88	84	75
4.00	105	99	94	102	97	92	97	93	89	79
5.00	107	102	98	105	100	96	100	96	92	82
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:2022-04-12

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:0.0822A P:9.296W PF:0.9423 Lamp Flux:667x1 lm		
NAME: ASD-MPR-5D10CC-WH/BK 3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

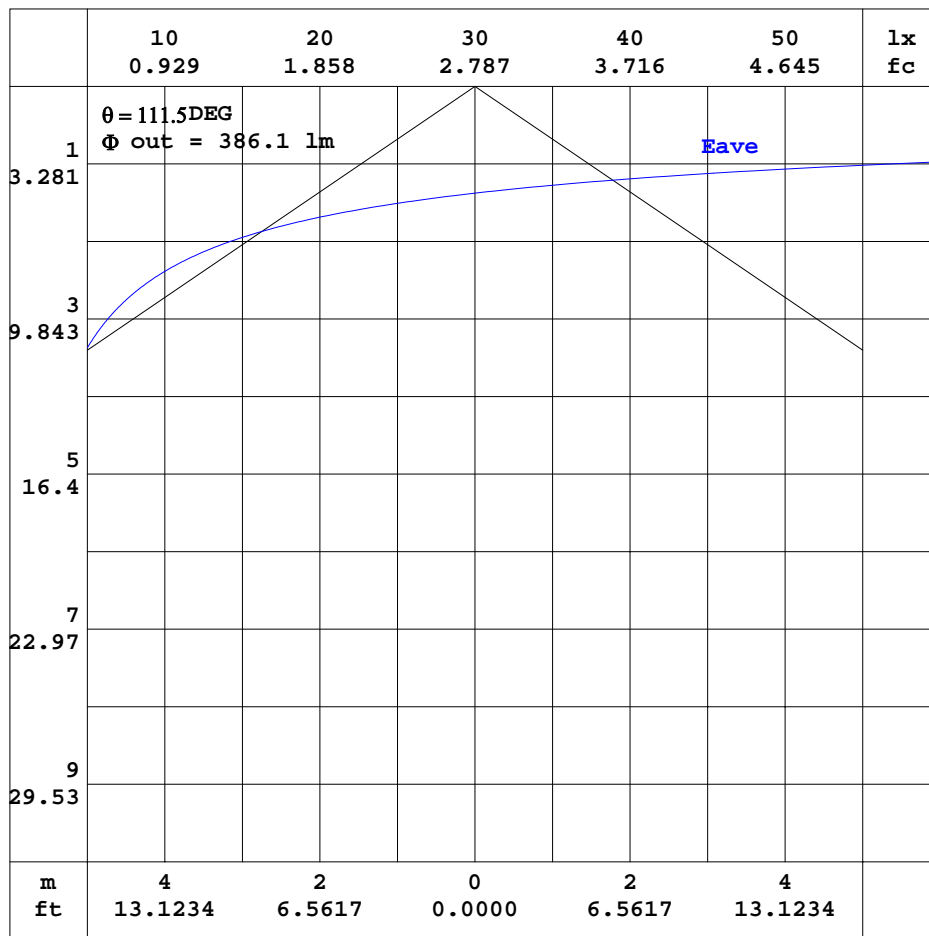


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-04-12

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:0.0822A P:9.296W PF:0.9423 Lamp Flux:667x1 lm		
NAME: ASD-MPR-5D10CC-WH/BK 3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:



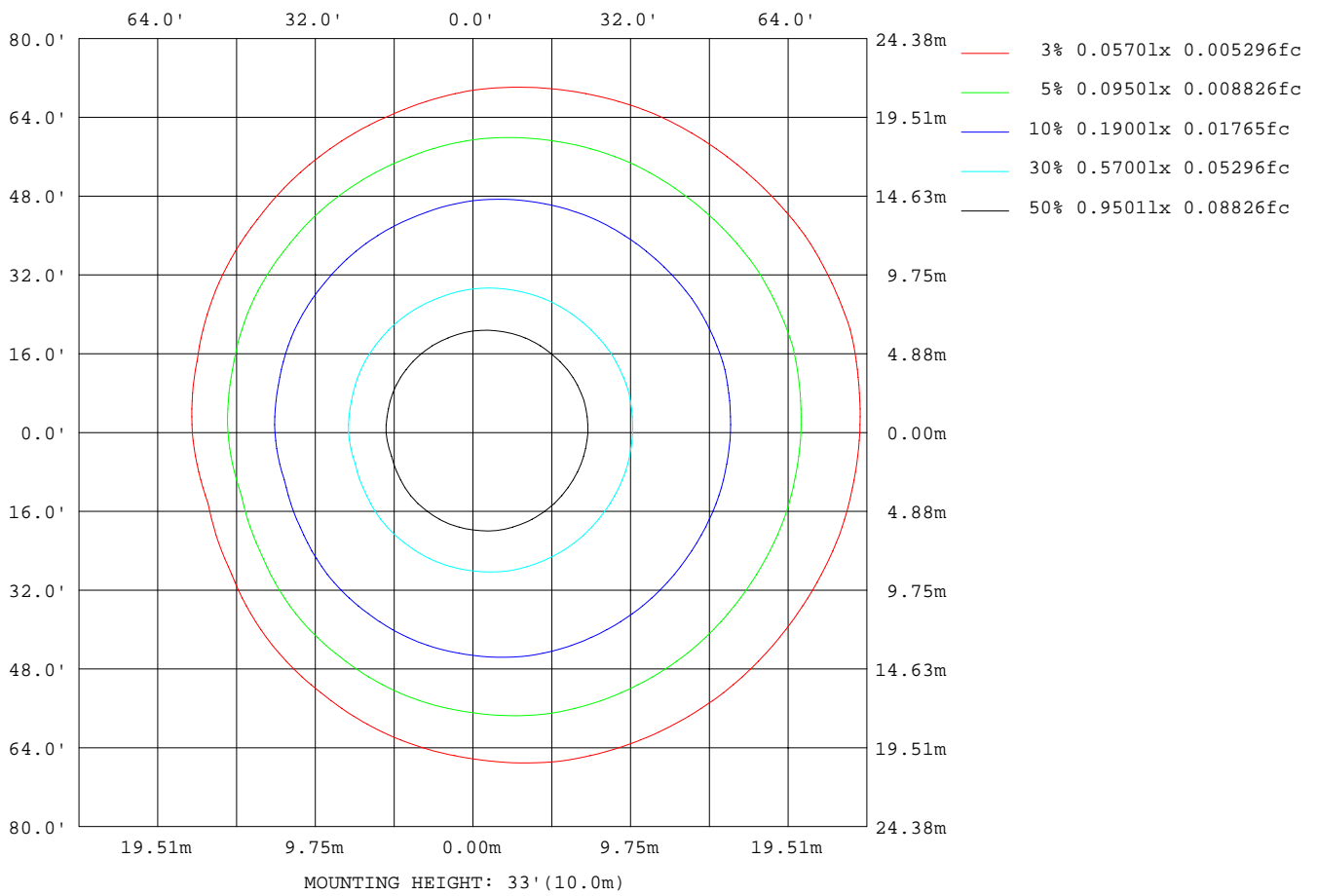
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-12

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:0.0822A P:9.296W PF:0.9423 Lamp Flux:667x1 lm		
NAME: ASD-MPR-5D10CC-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:2022-04-12

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:0.0822A P:9.296W PF:0.9423 Lamp Flux:667x1 lm		
NAME: ASD-MPR-5D10CC-WH/BK 3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

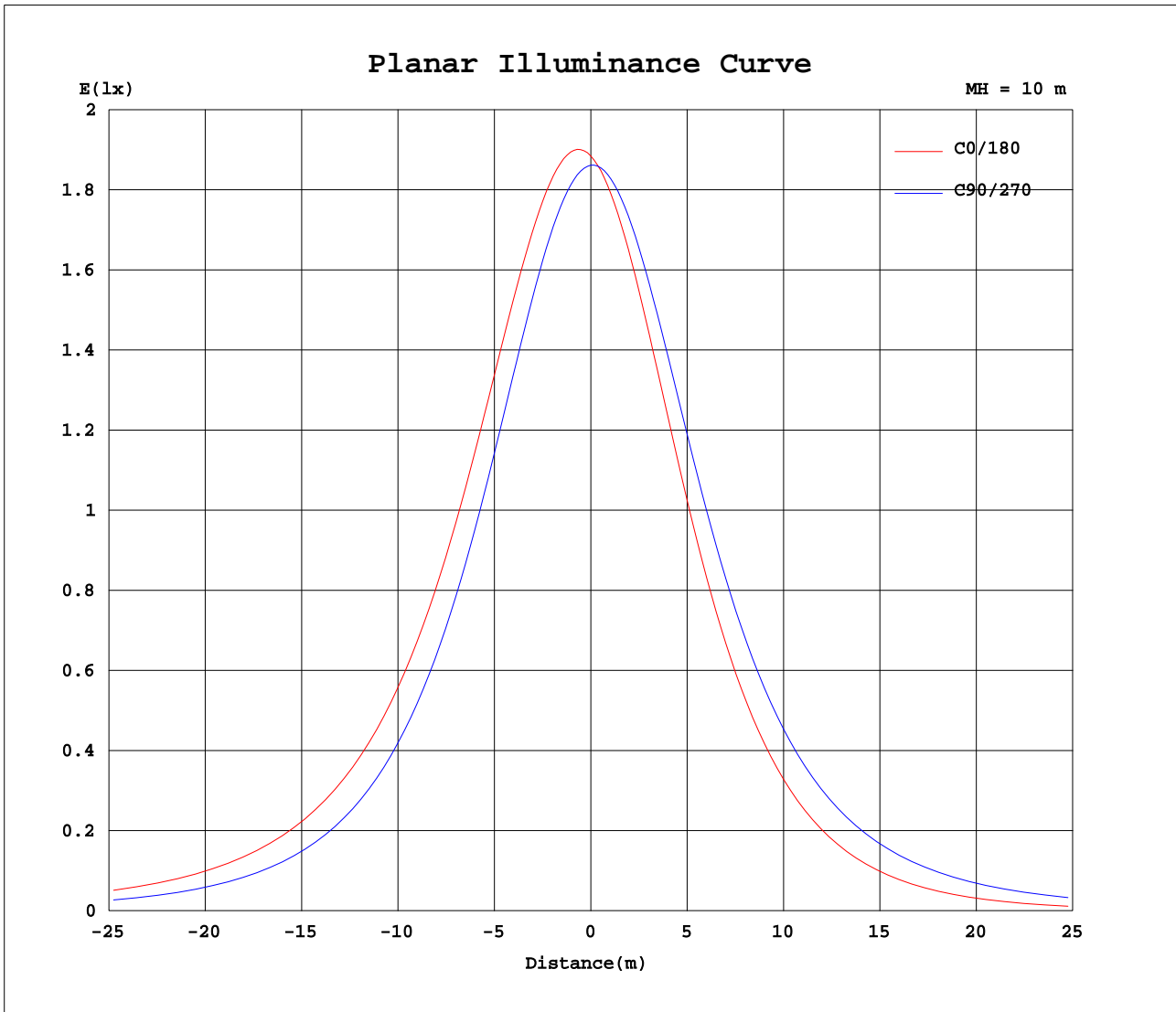
AvgL	cd/m2
L_0~180(65)av	1620
L_0~180(75)av	1572
L_0~180(85)av	2601
L_90~270(65)av	1578
L_90~270(75)av	1384
L_90~270(85)av	1093
L_45(65)av	1583
L_45(75)av	1451
L_45(85)av	1850

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-04-12

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: 2022-04-12

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:0.0822A P:9.296W PF:0.9423 Lamp Flux:667x1 lm		
NAME: ASD-MPR-5D10CC-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	188	187	187	187	187	186	186	186	186	186	186	186	188	187	187	187	187	186	186
5	192	190	189	188	187	186	185	184	183	182	181	181	183	182	183	184	184	185	186
10	194	192	190	188	186	184	181	179	177	176	174	173	176	176	177	179	180	182	184
15	194	191	189	186	183	180	177	174	171	168	166	164	168	168	170	172	175	177	180
20	192	189	186	182	179	175	170	166	163	159	156	154	158	159	161	164	167	171	175
25	188	185	181	177	172	168	162	158	153	149	145	143	147	148	151	155	159	163	169
30	183	180	175	170	165	160	153	148	142	138	133	131	135	136	140	144	149	154	160
35	176	172	167	162	156	150	143	137	131	126	120	117	122	123	128	132	138	144	151
40	168	163	157	152	145	139	131	125	118	112	106	103	108	110	115	120	126	132	140
45	158	153	147	141	134	127	119	112	104	98.3	91.7	88.6	92.8	95.2	101	106	113	119	128
50	146	142	135	129	121	114	105	97.8	90.0	83.7	76.6	73.4	77.6	80.2	86.2	91.7	98.8	106	115
55	134	129	122	115	108	100	90.9	83.3	75.0	68.4	61.0	57.6	61.8	64.7	70.9	76.5	84.0	91.9	102
60	121	116	108	102	93.5	85.8	76.1	68.2	59.6	52.8	45.2	41.8	46.0	49.0	55.1	60.9	68.7	77.1	87.4
65	106	102	93.9	86.9	78.9	70.8	61.0	52.7	44.1	37.3	30.1	26.7	30.5	33.5	39.5	45.1	53.1	61.8	72.4
70	91.3	86.5	78.7	71.7	63.5	55.4	45.4	37.3	29.0	22.8	16.3	13.5	16.6	19.3	24.8	29.9	37.4	46.2	56.8
75	75.8	71.0	63.3	56.1	48.0	39.9	30.4	22.9	15.7	10.4	5.32	3.27	5.62	7.64	12.3	16.3	22.9	30.5	41.2
80	59.7	55.1	47.4	40.5	32.8	25.3	16.9	10.6	4.90	1.60	1.53	1.54	1.84	1.84	2.77	5.82	10.9	16.8	26.3
85	43.5	39.1	31.9	25.7	18.9	12.6	5.91	1.67	1.54	1.54	1.56	1.56	1.86	1.84	1.83	1.83	2.17	5.99	13.2
90	27.8	24.0	17.9	12.7	7.37	2.77	1.55	1.56	1.56	1.57	1.59	1.60	1.88	1.86	1.85	1.84	1.83	1.83	3.15
95	13.7	10.2	6.38	2.82	1.55	1.56	1.56	1.57	1.59	1.60	1.62	1.64	1.91	1.89	1.87	1.86	1.84	1.84	1.83
100	2.84	1.74	1.54	1.56	1.56	1.56	1.58	1.60	1.62	1.63	1.66	1.69	1.93	1.91	1.89	1.87	1.86	1.85	1.84
105	1.54	1.55	1.56	1.56	1.57	1.58	1.60	1.62	1.64	1.67	1.70	1.73	1.96	1.93	1.91	1.89	1.87	1.86	1.85
110	1.58	1.58	1.58	1.58	1.58	1.60	1.62	1.64	1.67	1.70	1.74	1.76	1.99	1.95	1.92	1.90	1.89	1.88	1.87
115	1.61	1.61	1.60	1.60	1.60	1.62	1.64	1.66	1.69	1.73	1.78	1.81	2.01	1.97	1.94	1.92	1.90	1.89	1.89
120	1.64	1.64	1.63	1.63	1.63	1.64	1.69	1.71	1.74	1.77	1.83	1.86	2.04	1.99	1.96	1.94	1.92	1.91	1.91
125	1.68	1.67	1.66	1.66	1.66	1.68	1.72	1.75	1.78	1.81	1.87	1.92	2.07	2.02	1.98	1.96	1.93	1.93	1.92
130	1.71	1.69	1.69	1.69	1.70	1.72	1.76	1.79	1.82	1.86	1.93	1.97	2.10	2.05	2.01	1.98	1.95	1.94	1.94
135	1.75	1.73	1.73	1.73	1.74	1.76	1.79	1.83	1.88	1.92	1.98	2.04	2.13	2.08	2.04	2.01	1.98	1.97	1.96
140	1.79	1.78	1.78	1.78	1.79	1.81	1.85	1.88	1.93	1.98	2.04	2.09	2.17	2.11	2.07	2.04	2.01	2.00	2.00
145	1.85	1.83	1.83	1.84	1.86	1.88	1.92	1.95	1.99	2.04	2.09	2.14	2.19	2.13	2.10	2.08	2.05	2.03	2.03
150	1.91	1.89	1.90	1.90	1.92	1.95	1.98	2.01	2.05	2.10	2.15	2.18	2.22	2.17	2.13	2.11	2.08	2.07	2.06
155	1.99	1.97	1.97	1.97	1.99	2.01	2.04	2.08	2.11	2.15	2.21	2.24	2.25	2.20	2.17	2.13	2.11	2.11	2.10
160	2.06	2.05	2.04	2.05	2.06	2.08	2.10	2.13	2.18	2.20	2.25	2.29	2.27	2.23	2.20	2.17	2.15	2.14	2.14
165	2.13	2.13	2.11	2.11	2.12	2.13	2.16	2.18	2.23	2.25	2.28	2.31	2.30	2.26	2.23	2.21	2.19	2.18	2.18
170	2.20	2.19	2.17	2.18	2.18	2.18	2.21	2.23	2.25	2.28	2.31	2.34	2.31	2.28	2.26	2.25	2.23	2.22	2.22
175	2.26	2.25	2.23	2.22	2.23	2.22	2.24	2.26	2.29	2.31	2.33	2.35	2.32	2.29	2.27	2.26	2.25	2.24	2.24
180	2.31	2.28	2.26	2.26	2.25	2.26	2.26	2.26	2.28	2.30	2.31	2.33	2.31	2.28	2.27	2.26	2.25	2.25	2.26

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-12

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:0.0822A P:9.296W PF:0.9423 Lamp Flux:667x1 lm		
NAME: ASD-MPR-5D10CC-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	186	186	186	186	186														
5	187	188	189	190	190														
10	186	188	190	191	193														
15	183	186	189	192	193														
20	179	183	187	190	192														
25	173	178	182	187	189														
30	166	172	177	182	184														
35	157	164	169	175	178														
40	147	154	160	166	169														
45	136	144	150	157	160														
50	123	132	139	146	149														
55	110	119	126	133	137														
60	96.0	105	113	120	124														
65	81.2	90.7	98.2	106	110														
70	65.8	75.5	83.1	91.2	95.1														
75	50.0	59.9	67.4	75.8	79.6														
80	34.4	43.9	51.4	59.8	63.6														
85	20.1	28.4	35.4	43.4	47.3														
90	8.11	14.8	20.8	27.9	31.4														
95	1.83	4.11	8.56	14.3	16.8														
100	1.84	1.83	1.83	3.70	5.21														
105	1.85	1.85	1.85	1.84	1.83														
110	1.86	1.86	1.87	1.86	1.84														
115	1.89	1.89	1.89	1.88	1.86														
120	1.90	1.90	1.91	1.91	1.90														
125	1.91	1.92	1.93	1.94	1.93														
130	1.93	1.94	1.95	1.94	1.96														
135	1.96	1.95	1.97	1.96	1.98														
140	1.98	1.98	1.99	2.01	2.01														
145	2.02	2.01	2.02	2.03	2.04														
150	2.05	2.05	2.05	2.06	2.07														
155	2.10	2.09	2.09	2.10	2.12														
160	2.13	2.13	2.14	2.15	2.16														
165	2.18	2.17	2.18	2.20	2.21														
170	2.21	2.21	2.23	2.24	2.26														
175	2.24	2.26	2.27	2.30	2.32														
180	2.27	2.28	2.30	2.31	2.34														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-12

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: