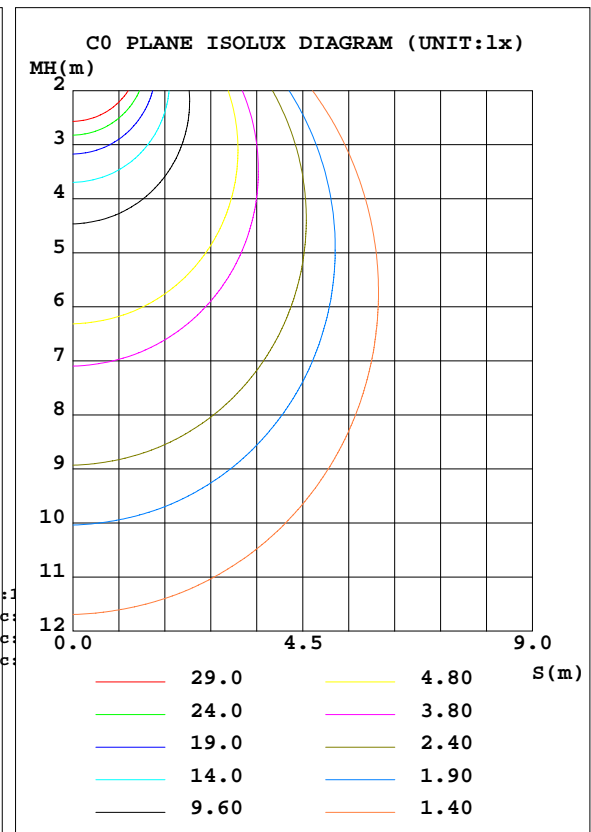
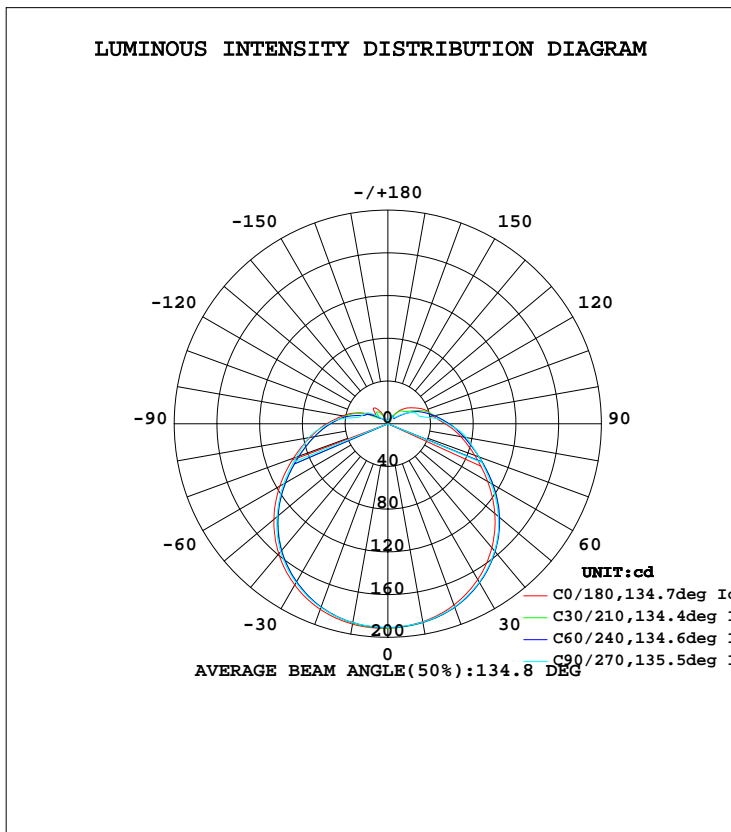


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.1308A P:14.99W PF:0.9553 Lamp Flux:1016x1 lm		
NAME: ASD-LFMDR-10D16CC-BN/BZ 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 67.78 lm/W			
ASD-LFMDR-10D16CC-NK/BZ		Imax(cd)	191.6	S/MH(C0/180)	1.36
NOMINAL POWER(W)	16	LOR(%)	100.0	S/MH(C90/270)	1.34
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1016	η UP, DN(C0-180)	8.5,41.4
NOMINAL FLUX(lm)	1016	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	8.2,41.8
LAMPS INSIDE	1	η up(%)	16.8	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	83.2	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-15

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	188.2	189.1	188.6	188.6	190.5	189.4	189.1	188.9	0- 10	18.13	18.13	2.06,2.06
20	180.8	183.0	182.4	181.8	185.0	182.9	183.1	183.0	10- 20	52.69	70.82	8.05,8.05
30	168.4	171.8	171.2	170.0	174.4	171.0	171.9	171.8	20- 30	81.92	152.7	17.4,17.4
40	151.5	156.0	155.6	153.8	158.9	154.6	156.3	156.1	30- 40	102.6	255.3	29,29
50	130.8	136.0	135.2	133.6	139.3	134.3	135.5	136.2	40- 50	112.5	367.8	41.8,41.8
60	107.8	113.3	111.3	110.4	116.9	111.0	112.9	113.4	50- 60	110.7	478.5	54.4,54.4
70	86.58	91.03	90.68	87.40	94.06	88.24	91.28	91.08	60- 70	99.80	578.3	65.7,65.7
80	69.40	72.65	74.92	68.59	74.16	69.65	75.31	72.37	70- 80	85.02	663.4	75.4,75.4
90	53.75	57.64	55.65	53.32	57.42	54.04	55.31	56.85	80- 90	69.36	732.7	83.2,83.2
100	42.75	44.71	35.53	40.47	42.95	40.67	32.84	43.55	90-100	52.55	785.3	89.2,89.2
110	37.63	35.95	28.31	25.52	30.01	25.35	24.69	34.16	100-110	37.15	822.4	93.4,93.4
120	29.73	22.16	20.32	12.30	17.47	12.44	20.15	22.94	110-120	24.60	847.0	96.2,96.2
130	22.95	10.13	9.941	10.85	15.81	10.29	8.758	11.53	120-130	14.20	861.2	97.8,97.8
140	14.81	11.27	7.694	10.20	19.49	10.43	4.876	8.759	130-140	9.329	870.6	98.9,98.9
150	6.487	7.564	8.908	6.943	11.28	5.558	5.615	6.233	140-150	5.826	876.4	99.6,99.6
160	3.629	3.761	5.126	3.822	3.810	4.274	4.257	3.572	150-160	2.527	878.9	99.9,99.9
170	3.066	3.062	3.085	3.104	3.100	3.085	3.119	3.154	160-170	0.9856	879.9	100,100
180	3.139	3.077	3.069	3.104	3.177	3.100	3.073	3.123	170-180	0.2959	880.2	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

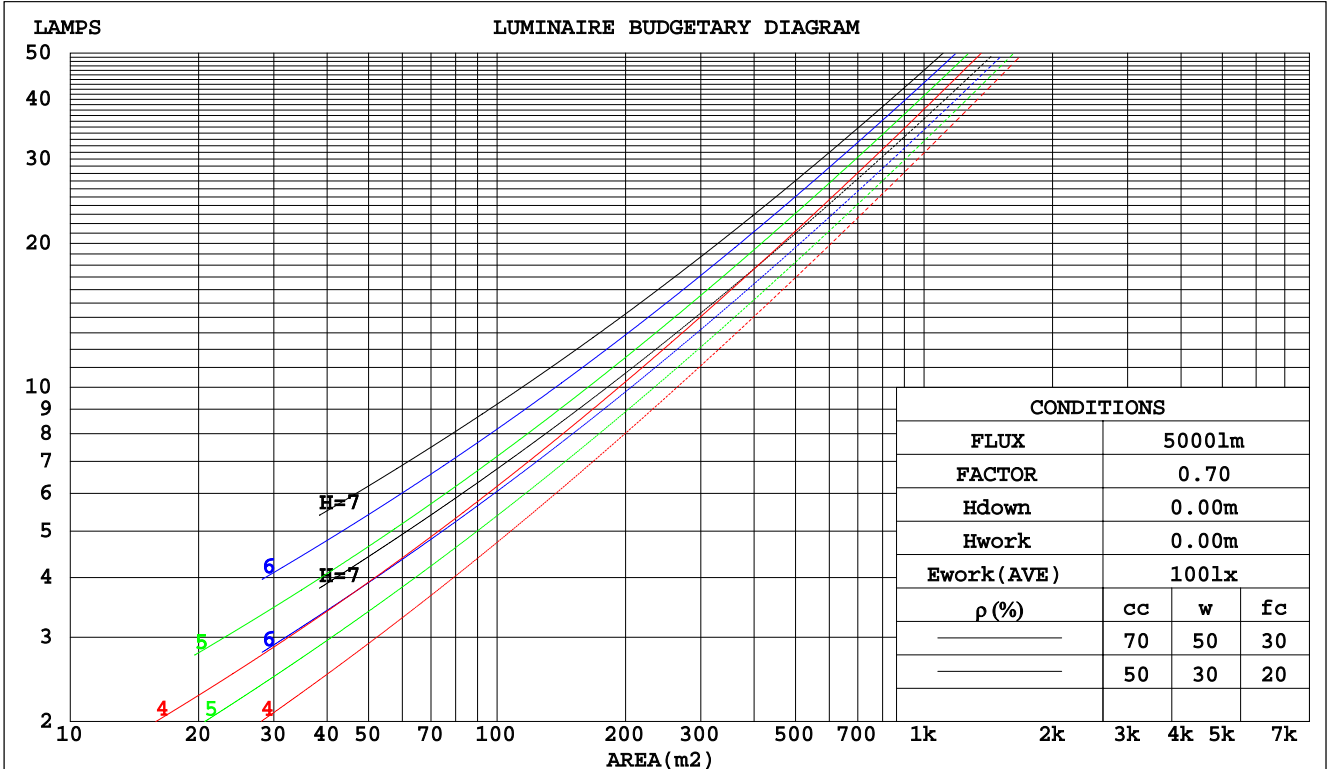
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-04-15

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:0.1308A P:14.99W PF:0.9553 Lamp Flux:1016x1 lm		
NAME: ASD-LFMDR-10D16CC-BN/BZ 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	1.15	1.15	1.15	1.10	1.10	1.10	1.02	1.02	1.02	.94	.94	.94	.87	.87	.87	.83
1.0	.96	.90	.85	.92	.87	.82	.84	.80	.77	.77	.74	.71	.71	.69	.66	.63
2.0	.82	.74	.67	.78	.71	.65	.72	.66	.61	.66	.61	.57	.61	.57	.53	.50
3.0	.71	.62	.55	.68	.60	.53	.63	.56	.50	.57	.52	.47	.53	.48	.44	.41
4.0	.62	.53	.45	.60	.51	.44	.55	.48	.42	.51	.44	.39	.47	.41	.37	.34
5.0	.55	.46	.39	.53	.44	.38	.49	.41	.36	.45	.39	.34	.42	.36	.32	.29
6.0	.49	.40	.33	.48	.39	.33	.44	.37	.31	.41	.34	.29	.38	.32	.28	.25
7.0	.45	.36	.29	.43	.34	.28	.40	.32	.27	.37	.31	.26	.34	.29	.24	.22
8.0	.41	.32	.26	.39	.31	.25	.36	.29	.24	.34	.27	.23	.31	.26	.22	.20
9.0	.37	.29	.23	.36	.28	.22	.33	.26	.21	.31	.25	.20	.29	.24	.19	.17
10.0	.34	.26	.21	.33	.25	.20	.31	.24	.19	.29	.23	.18	.27	.22	.18	.16



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-04-15

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:0.1308A P:14.99W PF:0.9553 Lamp Flux:1016x1 lm		
NAME: ASD-LFMDR-10D16CC-BN/BZ 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	.390	.222	.070	.378	.215	.068	.354	.203	.065	.333	.192	.062	.313	.182	.059	
2.0	.336	.184	.057	.325	.179	.055	.304	.169	.053	.285	.160	.050	.267	.151	.048	
3.0	.298	.159	.048	.288	.154	.046	.269	.146	.044	.252	.138	.042	.235	.130	.040	
4.0	.268	.139	.041	.259	.136	.040	.242	.128	.038	.226	.121	.037	.211	.115	.035	
5.0	.243	.124	.036	.235	.121	.035	.220	.114	.034	.205	.108	.032	.192	.102	.031	
6.0	.223	.112	.032	.215	.109	.031	.201	.103	.030	.188	.098	.029	.176	.093	.027	
7.0	.206	.102	.029	.199	.099	.028	.186	.094	.027	.174	.089	.026	.162	.084	.025	
8.0	.191	.093	.026	.184	.091	.026	.173	.086	.025	.161	.082	.024	.151	.077	.023	
9.0	.178	.086	.024	.172	.084	.024	.161	.080	.023	.151	.076	.022	.141	.072	.021	
10.0	.166	.080	.022	.161	.078	.022	.151	.074	.021	.141	.070	.020	.132	.067	.019	

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	.318	.318	.318	.272	.272	.272	.186	.186	.186	.107	.107	.107	.034	.034	.034	
1.0	.315	.284	.257	.269	.244	.221	.184	.168	.153	.106	.097	.089	.034	.031	.029	
2.0	.308	.261	.222	.264	.225	.192	.181	.156	.134	.104	.091	.079	.033	.029	.026	
3.0	.300	.245	.201	.257	.211	.174	.177	.147	.122	.102	.086	.072	.033	.028	.024	
4.0	.292	.232	.186	.251	.201	.162	.172	.140	.114	.100	.082	.067	.032	.027	.022	
5.0	.285	.222	.177	.244	.192	.154	.168	.134	.108	.098	.079	.064	.031	.026	.021	
6.0	.277	.214	.169	.238	.186	.148	.164	.130	.104	.095	.076	.062	.031	.025	.020	
7.0	.270	.208	.164	.232	.180	.143	.160	.126	.101	.093	.074	.060	.030	.024	.020	
8.0	.263	.202	.160	.227	.175	.140	.157	.123	.099	.091	.073	.059	.030	.024	.020	
9.0	.257	.197	.157	.221	.171	.137	.153	.120	.097	.089	.071	.058	.029	.023	.019	
10.0	.251	.193	.155	.216	.168	.135	.150	.118	.096	.088	.070	.057	.028	.023	.019	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-15

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:0.1308A P:14.99W PF:0.9553 Lamp Flux:1016x1 lm		
NAME: ASD-LFMDR-10D16CC-BN/BZ 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	15.8	14.9	16.3	16.9	14.5	15.9	15.0	16.4	17.0
3H	16.7	17.9	17.2	18.5	19.0	16.8	18.1	17.3	18.6	19.2
4H	17.9	19.1	18.4	19.6	20.2	18.0	19.3	18.6	19.8	20.4
6H	19.2	20.4	19.8	20.9	21.6	19.5	20.6	20.0	21.2	21.8
8H	20.0	21.1	20.5	21.7	22.3	20.3	21.4	20.8	22.0	22.6
12H	20.8	21.9	21.4	22.5	23.2	21.2	22.3	21.8	22.8	23.5
4H 2H	15.2	16.5	15.8	17.0	17.6	15.3	16.5	15.8	17.1	17.7
3H	17.7	18.7	18.3	19.3	20.0	17.8	18.8	18.3	19.4	20.1
4H	19.1	20.0	19.7	20.7	21.3	19.2	20.2	19.8	20.8	21.5
6H	20.6	21.5	21.2	22.1	22.8	20.8	21.7	21.4	22.3	23.0
8H	21.5	22.3	22.1	22.9	23.7	21.7	22.5	22.3	23.2	23.9
12H	22.5	23.2	23.1	23.9	24.6	22.7	23.5	23.4	24.2	24.9
8H 4H	19.6	20.5	20.3	21.1	21.8	19.7	20.6	20.4	21.2	21.9
6H	21.5	22.2	22.1	22.8	23.6	21.6	22.3	22.3	23.0	23.8
8H	22.5	23.2	23.2	23.9	24.7	22.7	23.3	23.4	24.0	24.8
12H	23.8	24.3	24.5	25.0	25.9	24.0	24.5	24.7	25.2	26.1
12H 4H	19.8	20.5	20.4	21.2	21.9	19.9	20.6	20.5	21.3	22.0
6H	21.7	22.4	22.4	23.0	23.8	21.8	22.5	22.5	23.2	24.0
8H	22.9	23.5	23.6	24.2	25.0	23.1	23.6	23.8	24.3	25.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 880.2 lm Total Lamp Luminous Flux. (8log(F/F0) = -0.4)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-15

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:0.1308A P:14.99W PF:0.9553 Lamp Flux:1016x1 lm		
NAME: ASD-LFMDR-10D16CC-BN/BZ 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

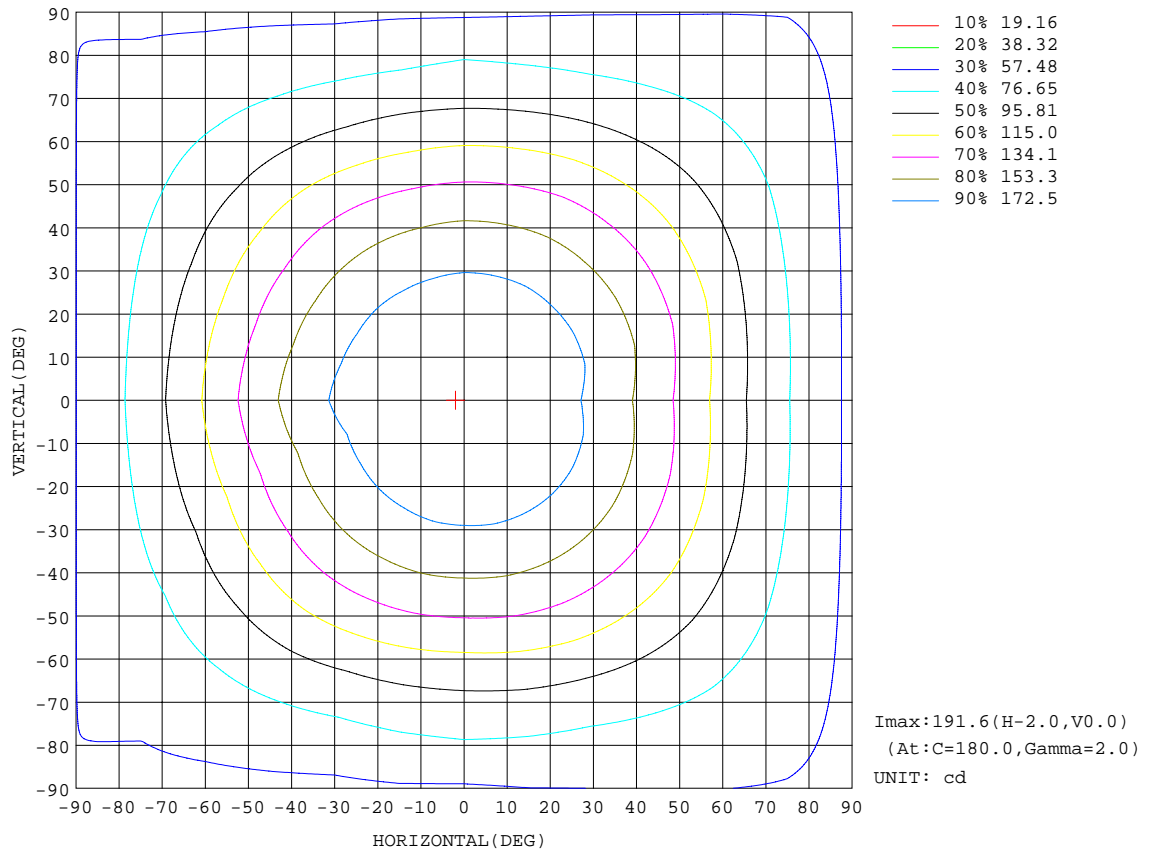
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	48	36	28	47	35	28	45	34	28	21
0.80	57	44	36	56	43	36	53	42	35	27
1.00	65	52	43	63	51	43	60	52	42	33
1.25	72	59	50	69	58	50	65	55	48	39
1.50	77	65	56	74	63	55	70	60	53	43
2.00	84	73	65	81	71	63	76	67	61	49
2.50	89	78	70	85	76	69	79	72	65	53
3.00	92	83	75	89	80	73	82	75	70	57
4.00	97	89	82	93	86	80	86	80	75	61
5.00	100	93	87	96	90	84	89	84	79	65
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:2022-04-15

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:0.1308A P:14.99W PF:0.9553 Lamp Flux:1016x1 lm		
NAME: ASD-LFMDR-10D16CC-BN/BZ 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

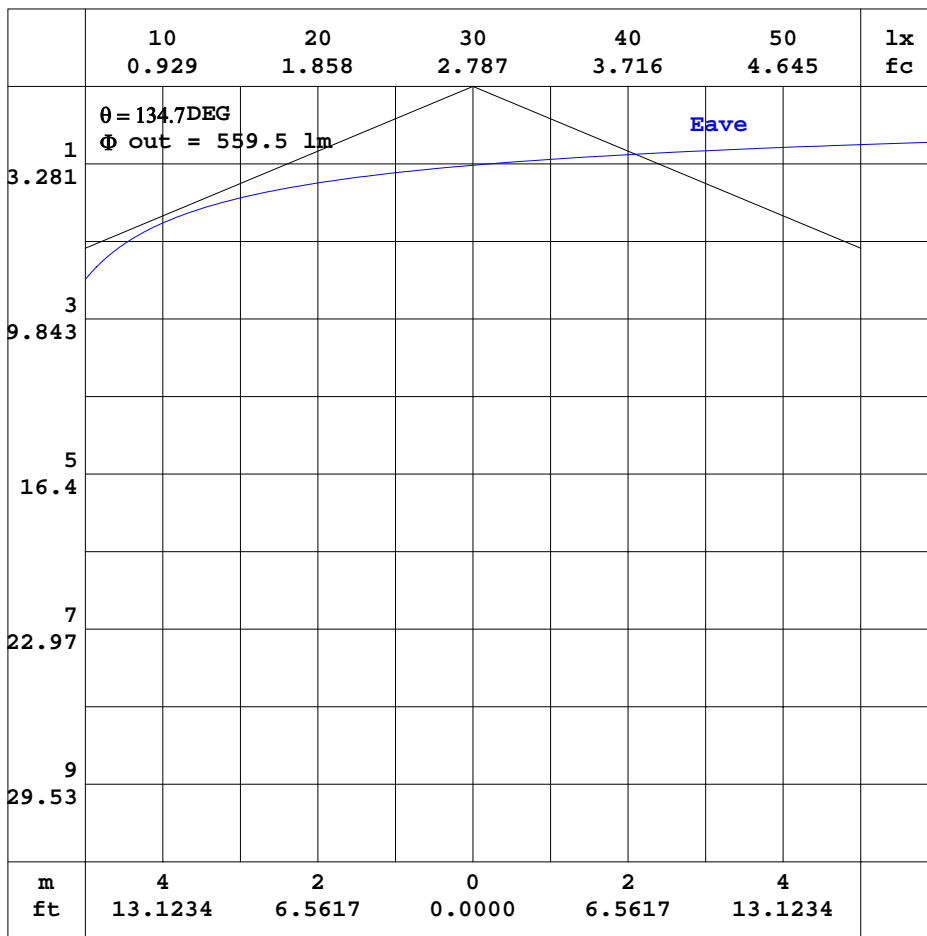


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-04-15

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:0.1308A P:14.99W PF:0.9553 Lamp Flux:1016x1 lm		
NAME: ASD-LFMDR-10D16CC-BN/BZ 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:



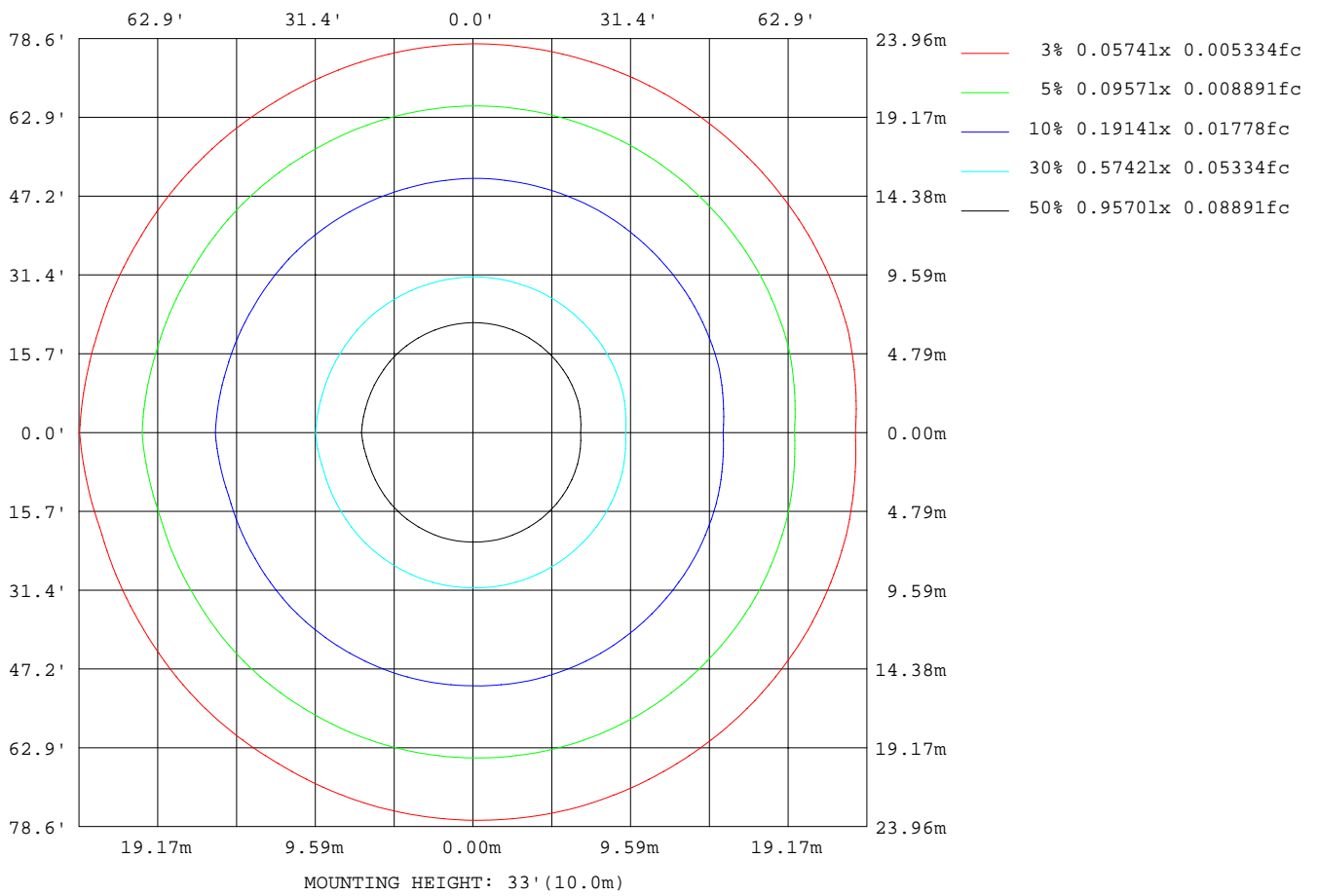
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-15

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:0.1308A P:14.99W PF:0.9553 Lamp Flux:1016x1 lm		
NAME: ASD-LFMDR-10D16CC-BN/BZ 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:2022-04-15

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:0.1308A P:14.99W PF:0.9553 Lamp Flux:1016x1 lm		
NAME: ASD-LFMDR-10D16CC-BN/BZ 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

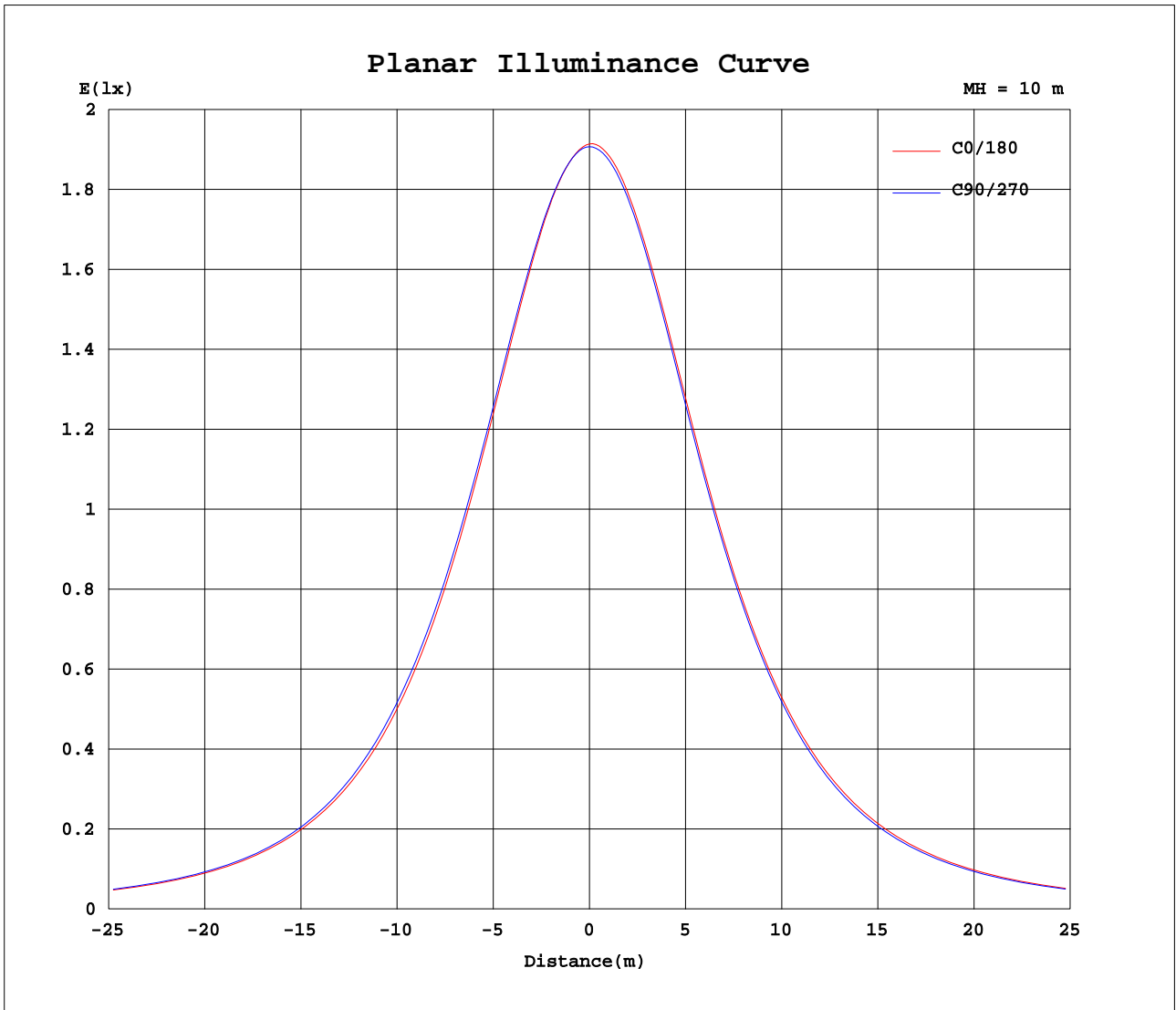
AvgL	cd/m2
L_0~180(65)av	2391
L_0~180(75)av	3114
L_0~180(85)av	7294
L_90~270(65)av	2388
L_90~270(75)av	3178
L_90~270(85)av	7555
L_45(65)av	2376
L_45(75)av	3073
L_45(85)av	7225

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-04-15

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: 2022-04-15

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:0.1308A P:14.99W PF:0.9553 Lamp Flux:1016x1 lm		
NAME: ASD-LFMDR-10D16CC-BN/BZ 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	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191
5	190	191	191	191	190	190	190	190	190	190	190	190	191	191	191	191	190	190	190
10	188	189	189	189	189	189	189	189	189	189	189	189	191	190	189	189	189	189	189
15	185	186	187	187	186	186	186	186	186	186	186	186	188	187	187	187	186	186	187
20	181	182	183	183	183	183	182	182	182	182	182	182	185	184	183	183	183	183	183
25	175	177	178	178	178	178	177	177	177	177	176	177	180	178	178	178	177	178	178
30	168	171	172	172	172	172	171	171	170	170	170	170	174	172	171	171	171	171	172
35	161	163	164	165	165	165	164	164	163	162	162	162	167	164	163	163	163	164	165
40	152	155	156	156	156	156	156	155	154	154	153	154	159	156	155	155	155	155	156
45	142	145	146	146	147	147	146	146	145	144	143	144	150	146	145	145	145	145	146
50	131	134	136	136	137	136	135	135	134	134	133	133	139	136	134	134	134	134	135
55	119	123	125	125	125	125	123	123	123	122	121	122	128	124	123	123	123	123	124
60	108	112	113	113	114	113	111	111	110	110	109	110	117	113	111	111	111	111	113
65	96.8	100	102	102	102	102	100	99.5	98.2	98.6	97.9	98.7	105	101	99.5	99.3	99.1	100	101
70	86.6	89.7	91.0	91.0	90.9	91.5	90.7	89.4	87.2	87.4	86.9	87.8	94.1	90.3	88.6	88.2	88.5	90.1	91.3
75	77.5	80.3	81.4	81.3	81.0	82.4	82.0	80.6	77.8	77.4	77.1	77.8	83.7	80.2	78.7	78.4	78.9	80.2	82.5
80	69.4	72.0	72.9	72.7	72.5	74.1	74.9	72.7	69.2	68.6	68.3	68.8	74.2	71.1	69.8	69.7	70.0	72.0	75.3
85	61.6	64.3	65.3	65.0	64.8	65.6	66.0	65.2	61.1	60.8	60.4	60.8	65.5	62.8	61.7	61.7	61.6	64.1	65.7
90	53.7	56.6	57.7	57.6	57.5	57.3	55.7	55.5	53.5	53.3	52.8	53.0	57.4	54.8	53.9	54.0	53.9	54.8	55.3
95	47.3	49.6	50.4	50.7	50.3	50.3	48.3	47.6	46.6	46.3	45.7	45.8	49.5	47.4	46.7	46.7	46.5	46.4	46.8
100	42.7	44.5	44.8	44.7	44.0	41.0	35.5	35.6	39.9	40.5	40.1	40.4	42.9	41.6	40.9	40.7	39.3	34.6	32.8
105	40.3	41.4	40.2	39.9	38.1	33.3	29.9	30.5	31.9	33.9	34.2	34.6	36.8	35.7	35.2	33.3	30.4	28.5	26.7
110	37.6	38.8	35.5	36.0	32.8	28.1	28.3	27.1	24.3	25.5	25.9	28.5	30.0	29.8	28.4	25.4	23.3	24.7	24.7
115	33.8	34.7	29.2	29.8	26.4	24.6	25.5	23.4	19.4	17.5	16.6	22.7	23.2	23.4	19.9	18.5	21.1	23.7	23.2
120	29.7	30.7	23.8	22.2	19.6	19.3	20.3	18.3	14.0	12.3	11.0	17.9	17.5	17.4	11.2	12.4	15.5	18.4	20.2
125	26.2	27.0	20.1	14.3	12.7	13.5	14.4	13.3	11.1	10.8	13.8	17.1	14.9	13.4	9.15	10.1	10.5	12.6	14.4
130	22.9	23.5	18.6	10.1	8.16	9.84	9.94	9.68	9.53	10.9	17.8	18.4	15.8	13.5	11.7	10.3	7.37	7.55	8.76
135	19.1	20.0	16.9	10.4	7.25	8.31	7.86	7.77	8.67	11.0	17.3	18.9	19.3	16.6	15.1	10.9	5.48	5.21	5.40
140	14.8	15.6	13.9	11.3	8.24	8.45	7.69	7.72	8.86	10.2	13.6	16.1	19.5	16.6	14.7	10.4	5.23	4.86	4.88
145	10.2	10.7	9.98	9.78	8.60	9.37	8.54	8.45	9.50	8.73	10.3	11.8	16.3	14.2	12.2	7.06	5.53	5.24	5.30
150	6.49	6.65	6.26	7.56	8.74	9.77	8.91	8.45	8.53	6.94	5.64	6.89	11.3	9.07	6.55	5.56	5.73	5.31	5.62
155	4.49	4.49	3.93	5.16	6.75	7.40	6.93	6.79	6.03	5.57	4.37	3.92	4.53	3.62	3.93	5.43	5.26	5.29	5.26
160	3.63	3.75	3.95	3.76	4.14	4.80	5.13	5.04	4.53	3.82	3.80	3.71	3.81	3.57	3.89	4.27	4.22	4.49	4.26
165	3.21	3.26	3.16	3.05	3.29	3.47	3.60	3.58	3.31	3.03	3.04	3.22	3.96	3.63	3.18	3.22	3.45	3.58	3.50
170	3.07	3.07	3.05	3.06	3.04	3.04	3.09	3.04	3.04	3.10	3.03	3.07	3.10	3.08	3.08	3.08	3.07	3.11	3.12
175	3.08	3.11	3.07	3.08	3.04	3.07	3.07	3.08	3.08	3.14	3.20	3.24	3.23	3.18	3.18	3.13	3.08	3.07	3.07
180	3.14	3.12	3.08	3.08	3.07	3.07	3.07	3.08	3.10	3.10	3.12	3.12	3.18	3.12	3.10	3.10	3.09	3.07	3.07

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-15

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:0.1308A P:14.99W PF:0.9553 Lamp Flux:1016x1 lm		
NAME: ASD-LFMDR-10D16CC-BN/BZ 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	191	191	191	191	191														
5	190	190	190	190	190														
10	189	189	189	189	189														
15	187	187	187	186	186														
20	183	183	183	183	183														
25	178	178	178	178	177														
30	172	172	172	172	171														
35	165	165	165	165	164														
40	156	157	156	156	156														
45	147	147	147	147	146														
50	136	137	136	136	136														
55	125	125	125	125	125														
60	113	114	113	114	113														
65	102	102	102	102	102														
70	91.3	91.0	91.1	91.4	91.0														
75	81.9	81.1	81.1	81.6	81.3														
80	73.6	72.3	72.4	72.9	72.7														
85	64.7	64.2	64.4	64.9	64.8														
90	56.1	56.6	56.8	57.1	57.0														
95	48.4	49.3	49.8	49.9	49.8														
100	37.4	42.5	43.5	44.3	44.2														
105	29.9	35.6	38.5	39.9	40.7														
110	24.8	29.9	34.2	35.9	37.5														
115	21.4	24.1	28.8	30.0	33.4														
120	19.2	20.4	22.9	23.9	29.7														
125	13.9	14.8	17.1	19.6	26.7														
130	8.83	9.21	11.5	18.2	23.2														
135	5.72	5.74	9.36	17.1	18.9														
140	5.04	5.56	8.76	13.8	15.5														
145	5.43	6.46	7.80	9.53	12.0														
150	5.87	6.21	6.23	6.73	7.86														
155	5.12	5.06	5.28	4.94	5.21														
160	3.85	3.79	3.57	3.75	4.12														
165	3.41	3.25	3.18	3.12	3.27														
170	3.15	3.10	3.15	3.12	3.13														
175	3.11	3.10	3.14	3.12	3.13														
180	3.10	3.10	3.12	3.12	3.13														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-15

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: