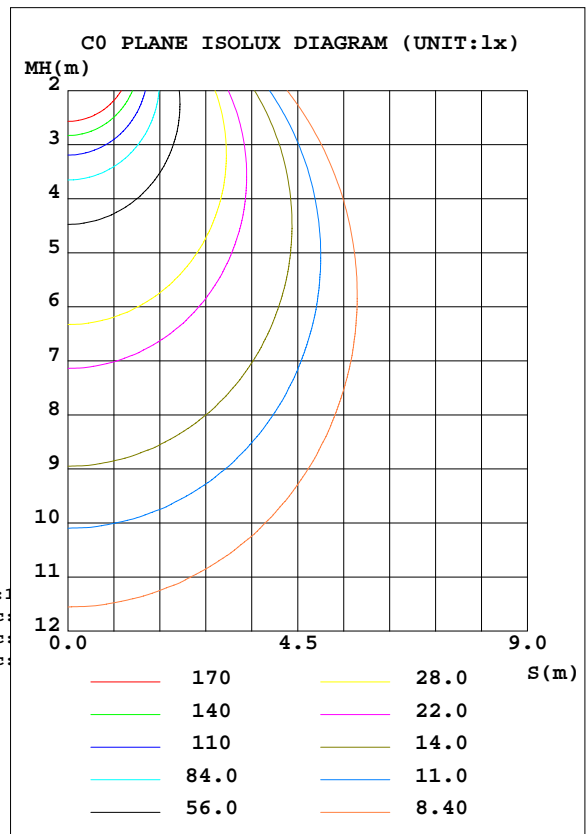
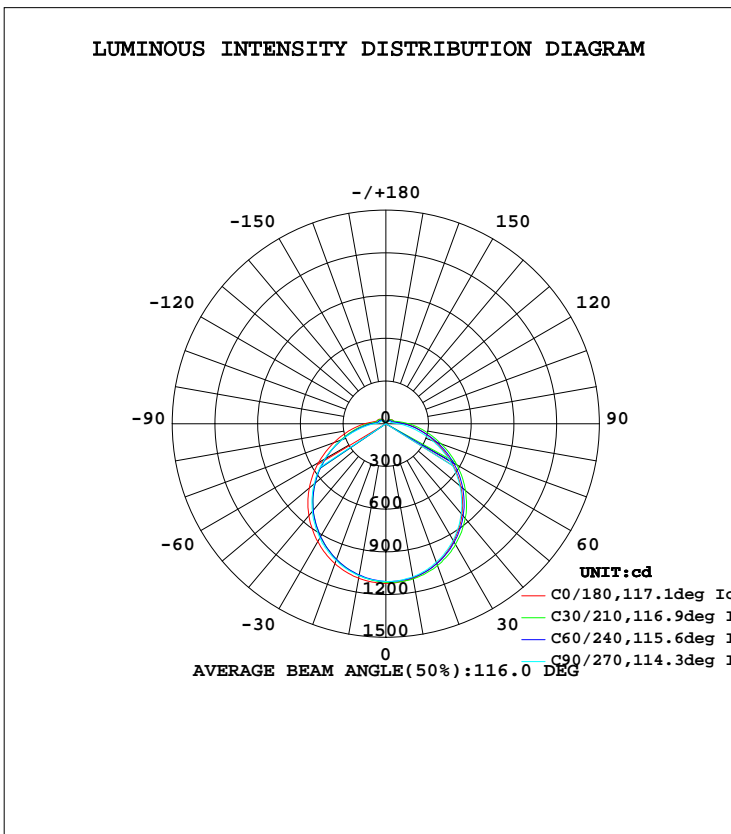


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.3616A P:45W PF:0.9852 Lamp Flux:3360x1 lm		
NAME: ASD-LFMOV-MV-32D45CC-NK/BZ 3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 74,7 lm/W			
MODEL	ASD-LFMOV-MV-32D45CC-NK	I _{max} (cd)	1122	S/MH(C0/180)	1.27
NOMINAL POWER(W)	45	LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3360	η UP, DN(C0-180)	3.9,46.3
NOMINAL FLUX(lm)	3360	CIE CLASS	DIRECT	η UP, DN(C180-360)	4.1,45.6
LAMPS INSIDE	1	η up(%)	8.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	92.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-07

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	1100	1103	1092	1077	1102	1080	1083	1087	0- 10	104.9	104.9	2.81,2.81
20	1045	1056	1035	1017	1046	1012	1022	1033	10- 20	300.5	405.4	10.9,10.9
30	951.8	974.3	944.7	923.5	957.0	914.6	926.6	945.2	20- 30	456.3	861.7	23.1,23.1
40	831.8	861.1	823.4	801.3	842.2	791.4	802.4	827.5	30- 40	552.7	1414	37.9,37.9
50	686.9	723.8	680.5	657.5	701.9	645.5	658.2	685.7	40- 50	579.4	1994	53.4,53.4
60	526.9	567.8	516.7	497.0	546.8	488.1	496.0	528.1	50- 60	535.8	2530	67.7,67.7
70	369.3	404.6	346.9	332.2	388.1	331.5	326.0	362.0	60- 70	432.0	2962	79.3,79.3
80	236.3	257.7	192.5	190.7	253.0	202.5	177.5	214.4	70- 80	297.3	3259	87.3,87.3
90	137.8	148.6	89.42	97.38	149.2	111.2	82.32	112.0	80- 90	175.1	3434	92,92
100	76.81	79.85	45.40	53.51	85.66	65.93	47.19	59.16	90-100	93.16	3527	94.5,94.5
110	57.12	51.69	35.72	46.20	65.48	59.00	43.30	48.49	100-110	58.80	3586	96,96
120	53.13	46.64	32.46	41.63	60.30	52.42	38.62	44.09	110-120	48.32	3634	97.3,97.3
130	45.46	40.60	28.09	35.54	51.78	44.01	32.97	38.51	120-130	38.49	3673	98.4,98.4
140	36.50	32.87	23.64	28.90	42.02	34.59	26.62	32.04	130-140	27.75	3701	99.1,99.1
150	26.49	24.87	19.03	22.29	31.11	24.91	21.04	24.89	140-150	17.68	3718	99.6,99.6
160	19.37	18.95	16.67	17.14	22.07	18.34	17.04	19.36	150-160	9.782	3728	99.8,99.8
170	16.20	16.06	14.96	15.50	17.35	16.29	15.62	16.05	160-170	4.851	3733	100,100
180	15.35	15.19	14.94	14.84	15.37	15.14	15.04	14.87	170-180	1.483	3735	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

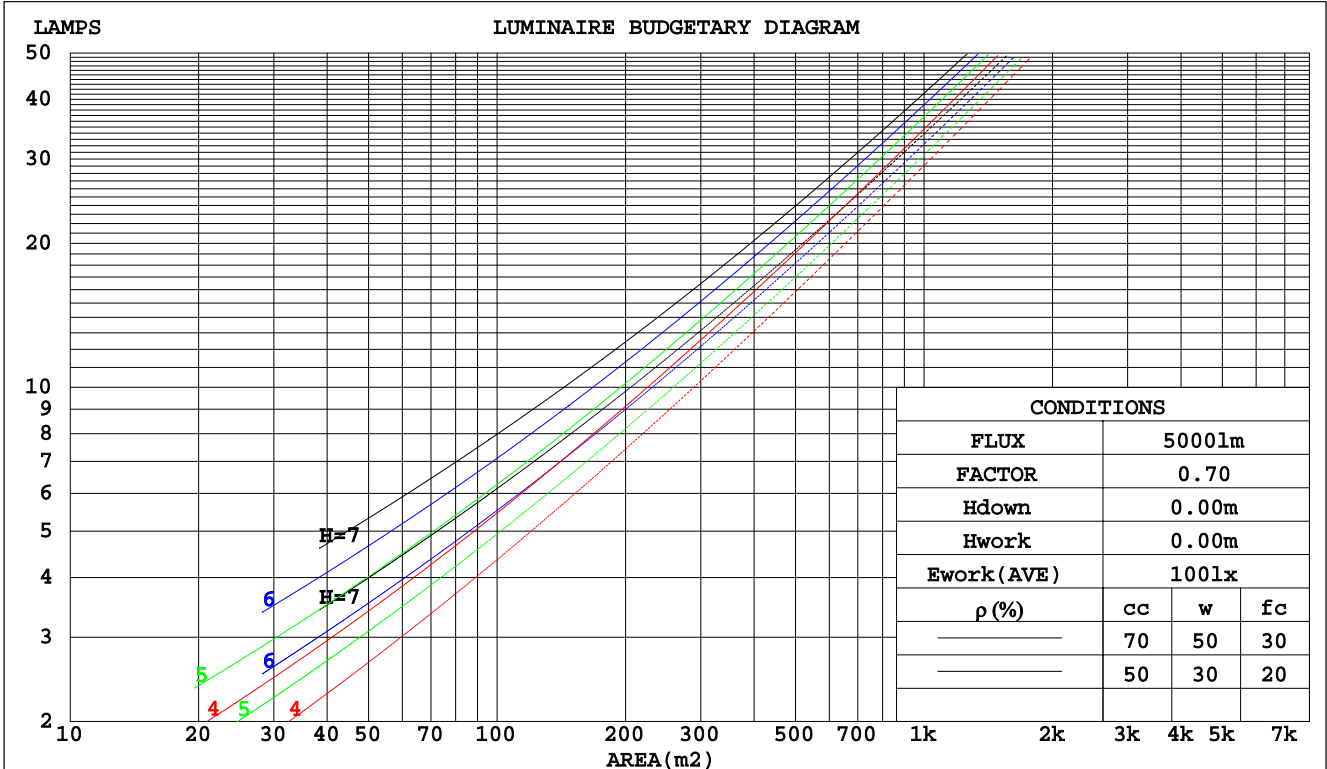
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-04-07

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:0.3616A P:45W PF:0.9852 Lamp Flux:3360x1 lm		
NAME: ASD-LFMOV-MV-32D45CC-NK/BZ 3000K	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	1.17	1.17	1.17	1.13	1.13	1.13	1.07	1.07	1.07	1.00	1.00	1.00	.95	.95	.95	.92
1.0	1.00	.95	.91	.97	.93	.89	.91	.88	.84	.86	.83	.80	.81	.79	.77	.74
2.0	.87	.79	.73	.84	.77	.72	.79	.74	.69	.75	.70	.66	.70	.67	.63	.61
3.0	.76	.67	.60	.73	.66	.59	.69	.63	.57	.65	.60	.55	.62	.57	.53	.51
4.0	.67	.58	.51	.65	.56	.50	.61	.54	.48	.58	.52	.47	.55	.50	.45	.43
5.0	.60	.50	.43	.58	.49	.43	.55	.47	.42	.52	.46	.40	.49	.44	.39	.37
6.0	.53	.44	.38	.52	.44	.37	.49	.42	.36	.47	.40	.35	.45	.39	.34	.32
7.0	.48	.39	.33	.47	.39	.33	.45	.37	.32	.43	.36	.31	.41	.35	.31	.28
8.0	.44	.35	.30	.43	.35	.29	.41	.34	.29	.39	.33	.28	.37	.32	.27	.25
9.0	.40	.32	.27	.40	.32	.26	.38	.31	.26	.36	.30	.25	.35	.29	.25	.23
10.0	.37	.29	.24	.36	.29	.24	.35	.28	.23	.33	.27	.23	.32	.26	.22	.20



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-04-07

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:0.3616A P:45W PF:0.9852 Lamp Flux:3360x1 lm		
NAME: ASD-LFMOV-MV-32D45CC-NK/BZ 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	.345	.196	.062	.335	.191	.061	.317	.182	.058	.301	.173	.056	.285	.165	.053	
2.0	.310	.170	.052	.302	.166	.051	.286	.159	.049	.271	.152	.048	.257	.145	.046	
3.0	.281	.150	.045	.273	.146	.044	.259	.140	.043	.246	.135	.041	.233	.129	.040	
4.0	.256	.133	.039	.249	.131	.039	.237	.125	.037	.225	.121	.036	.213	.116	.035	
5.0	.235	.120	.035	.229	.118	.034	.217	.113	.033	.206	.109	.032	.196	.105	.032	
6.0	.217	.109	.031	.211	.107	.031	.201	.103	.030	.191	.099	.029	.182	.096	.028	
7.0	.201	.099	.028	.196	.098	.028	.186	.094	.027	.177	.091	.026	.169	.088	.026	
8.0	.187	.091	.026	.183	.090	.025	.174	.087	.025	.166	.084	.024	.158	.081	.024	
9.0	.175	.085	.024	.171	.083	.023	.163	.081	.023	.155	.078	.022	.148	.075	.022	
10.0	.164	.079	.022	.160	.077	.022	.153	.075	.021	.146	.073	.021	.140	.070	.020	

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	.252	.252	.252	.215	.215	.215	.147	.147	.147	.084	.084	.084	.027	.027	.027	
1.0	.245	.218	.193	.209	.187	.166	.143	.128	.115	.082	.074	.067	.026	.024	.022	
2.0	.237	.194	.158	.203	.167	.137	.139	.116	.095	.080	.067	.056	.026	.022	.018	
3.0	.229	.177	.135	.196	.153	.117	.135	.106	.082	.078	.062	.048	.025	.020	.016	
4.0	.221	.164	.120	.190	.142	.104	.131	.099	.073	.076	.058	.043	.024	.019	.014	
5.0	.214	.154	.109	.184	.133	.095	.127	.093	.067	.073	.055	.040	.024	.018	.013	
6.0	.207	.146	.102	.178	.126	.089	.122	.088	.063	.071	.052	.037	.023	.017	.012	
7.0	.200	.139	.096	.172	.120	.084	.119	.084	.059	.069	.050	.035	.022	.016	.012	
8.0	.193	.133	.092	.166	.115	.080	.115	.081	.057	.067	.048	.034	.022	.016	.011	
9.0	.187	.128	.089	.161	.111	.077	.112	.078	.055	.065	.046	.033	.021	.015	.011	
10.0	.181	.124	.086	.156	.108	.075	.108	.076	.053	.063	.045	.032	.020	.015	.011	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-07

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:0.3616A P:45W PF:0.9852 Lamp Flux:3360x1 lm										
NAME: ASD-LFMOV-MV-32D45CC-NK/BZ 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	20.8	22.3	21.2	22.6	23.0	20.7	22.2	21.1	22.5	22.9
3H	22.6	23.9	23.0	24.3	24.7	22.4	23.8	22.8	24.1	24.5
4H	23.4	24.7	23.9	25.1	25.5	23.2	24.5	23.6	24.9	25.3
6H	24.3	25.5	24.7	25.9	26.4	23.9	25.1	24.3	25.5	25.9
8H	24.8	25.9	25.2	26.3	26.8	24.2	25.4	24.7	25.8	26.3
12H	25.3	26.4	25.7	26.8	27.3	24.6	25.7	25.0	26.1	26.6
4H 2H	21.5	22.8	22.0	23.2	23.6	21.5	22.7	21.9	23.1	23.6
3H	23.6	24.7	24.0	25.1	25.6	23.4	24.5	23.9	24.9	25.4
4H	24.6	25.6	25.1	26.1	26.6	24.3	25.3	24.8	25.8	26.3
6H	25.6	26.5	26.2	27.0	27.6	25.2	26.1	25.7	26.6	27.1
8H	26.2	27.0	26.7	27.5	28.1	25.6	26.4	26.1	27.0	27.5
12H	26.8	27.6	27.3	28.1	28.7	26.0	26.8	26.6	27.3	27.9
8H 4H	25.0	25.9	25.6	26.4	27.0	24.8	25.7	25.3	26.2	26.7
6H	26.4	27.1	27.0	27.6	28.2	25.9	26.7	26.5	27.2	27.8
8H	27.1	27.8	27.7	28.3	28.9	26.5	27.2	27.1	27.7	28.3
12H	27.9	28.5	28.5	29.1	29.7	27.1	27.7	27.7	28.3	28.9
12H 4H	25.1	25.9	25.7	26.4	27.0	24.9	25.7	25.4	26.2	26.8
6H	26.6	27.2	27.1	27.8	28.4	26.2	26.8	26.7	27.4	28.0
8H	27.4	28.0	28.0	28.5	29.2	26.8	27.4	27.4	28.0	28.6
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 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 3735 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.6)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-07

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:0.3616A P:45W PF:0.9852 Lamp Flux:3360x1 lm		
NAME: ASD-LFMOV-MV-32D45CC-NK/BZ 3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

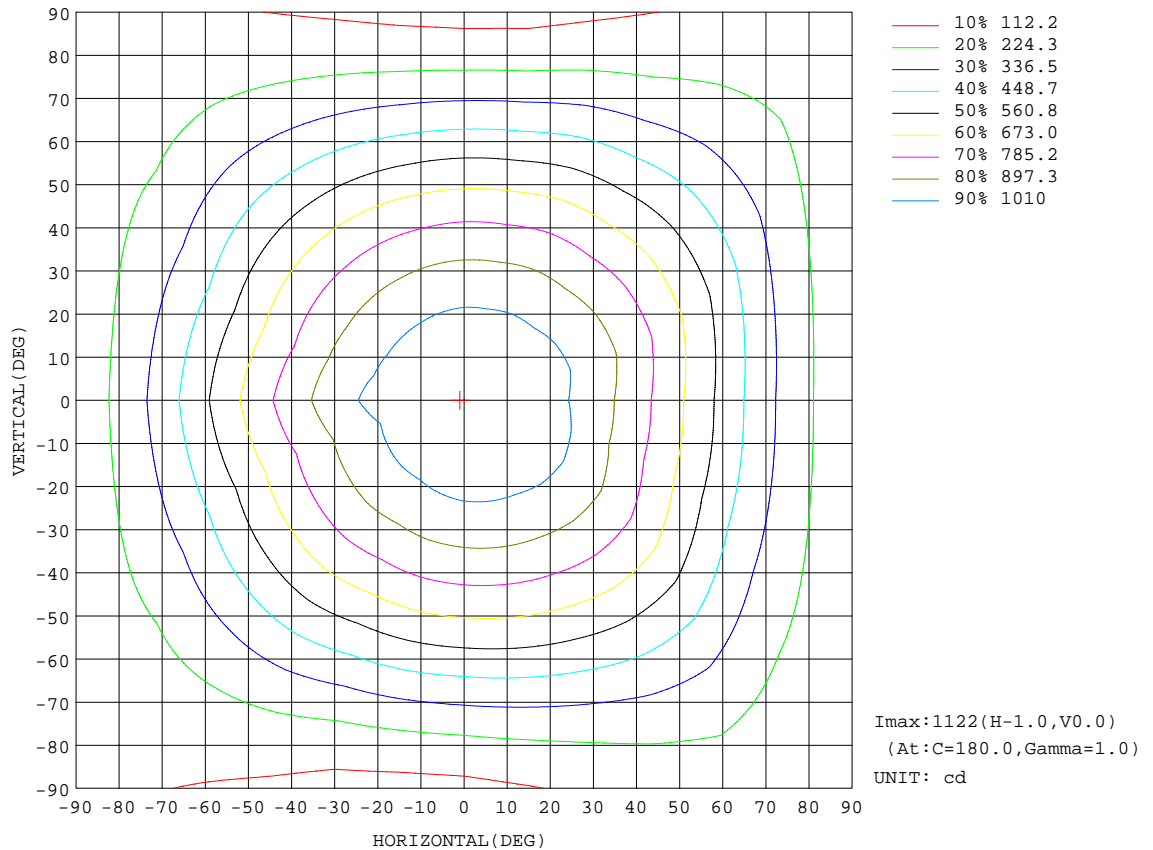
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	53	41	34	52	41	34	51	40	34	27
0.80	63	51	43	62	50	43	59	49	42	35
1.00	71	59	51	70	58	51	67	59	50	42
1.25	78	67	59	76	66	58	73	64	57	49
1.50	83	72	65	81	71	64	77	69	62	53
2.00	90	80	73	88	79	72	83	76	70	60
2.50	94	85	79	92	84	77	87	80	75	64
3.00	98	90	83	95	88	82	90	84	79	68
4.00	102	95	90	99	93	88	93	89	84	73
5.00	105	99	94	102	96	92	96	92	88	76
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:2022-04-07

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:0.3616A P:45W PF:0.9852 Lamp Flux:3360x1 lm		
NAME: ASD-LFMOV-MV-32D45CC-NK/BZ 3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

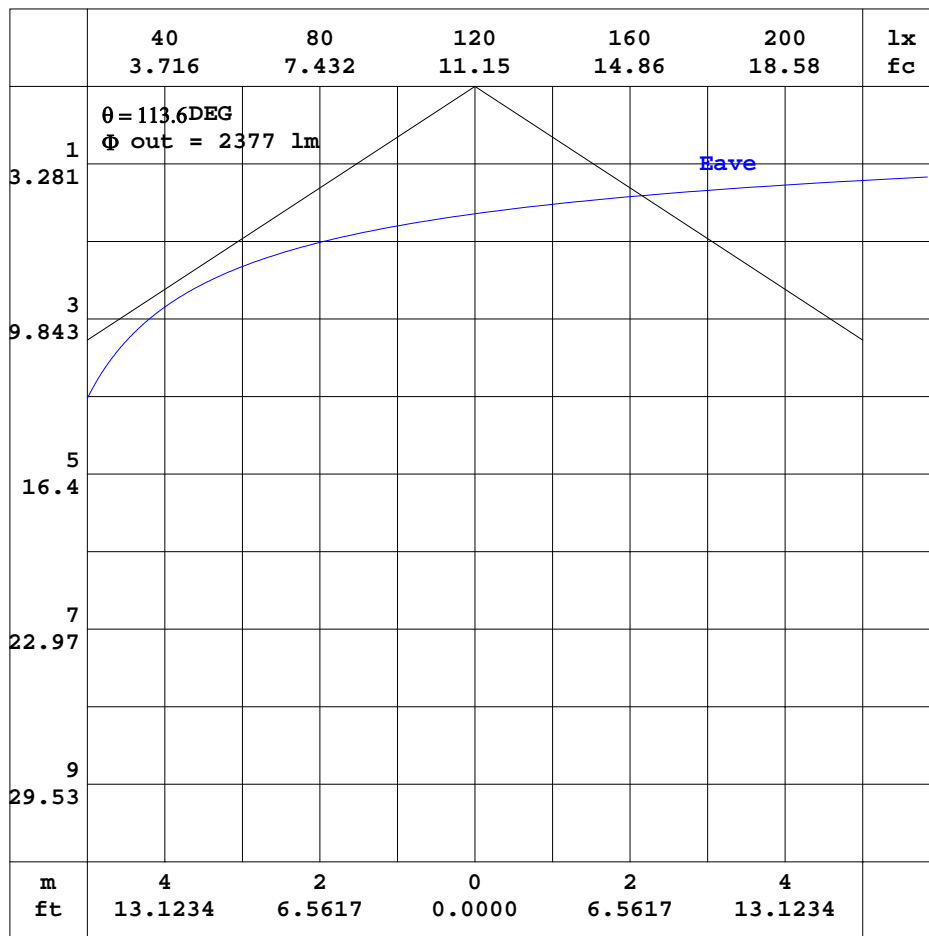


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-07

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:0.3616A P:45W PF:0.9852 Lamp Flux:3360x1 lm		
NAME: ASD-LFMOV-MV-32D45CC-NK/BZ 3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:



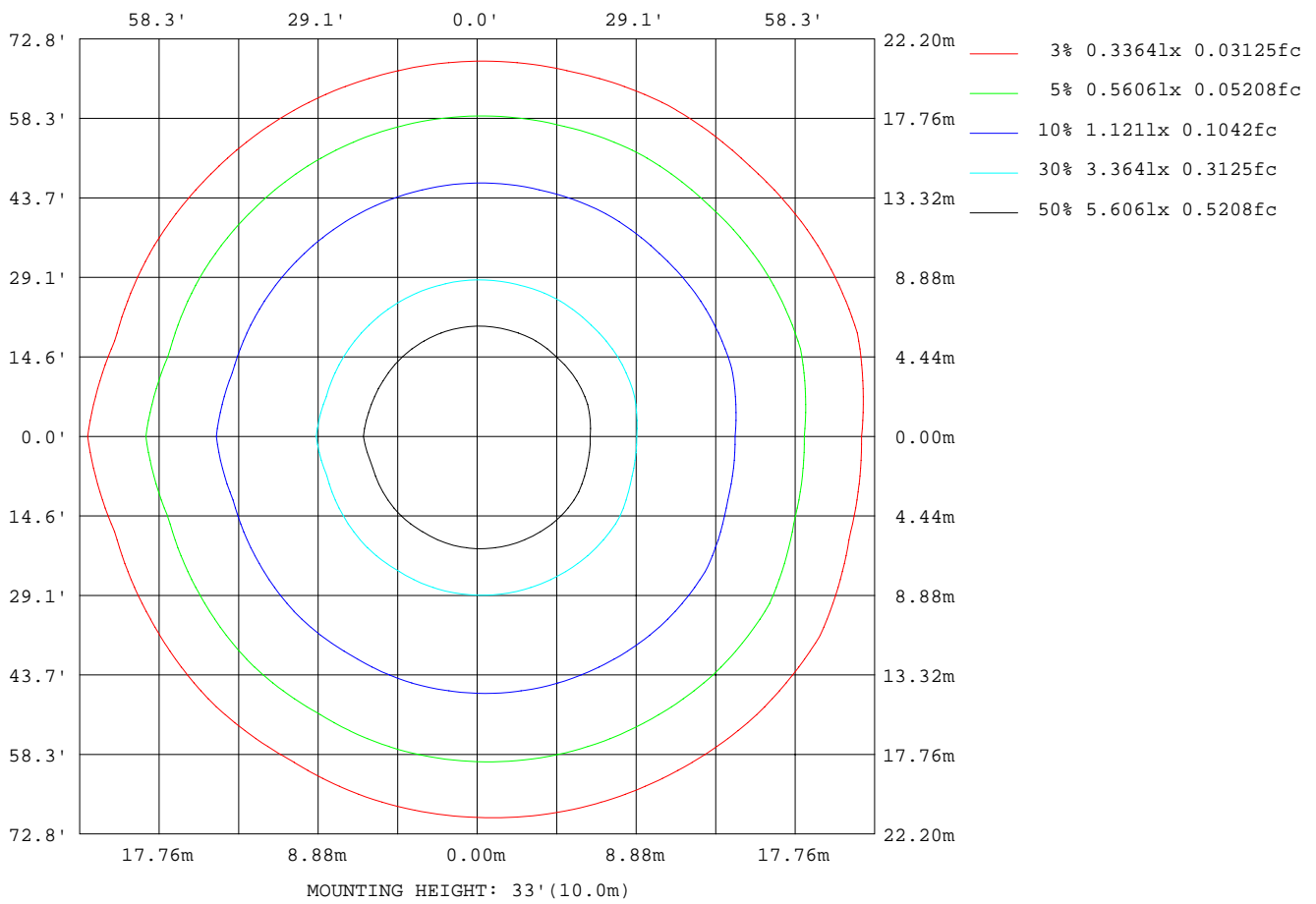
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-04-07

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:0.3616A P:45W PF:0.9852 Lamp Flux:3360x1 lm		
NAME: ASD-LFMOV-MV-32D45CC-NK/BZ 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:2022-04-07

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:0.3616A P:45W PF:0.9852 Lamp Flux:3360x1 lm		
NAME: ASD-LFMOV-MV-32D45CC-NK/BZ 3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

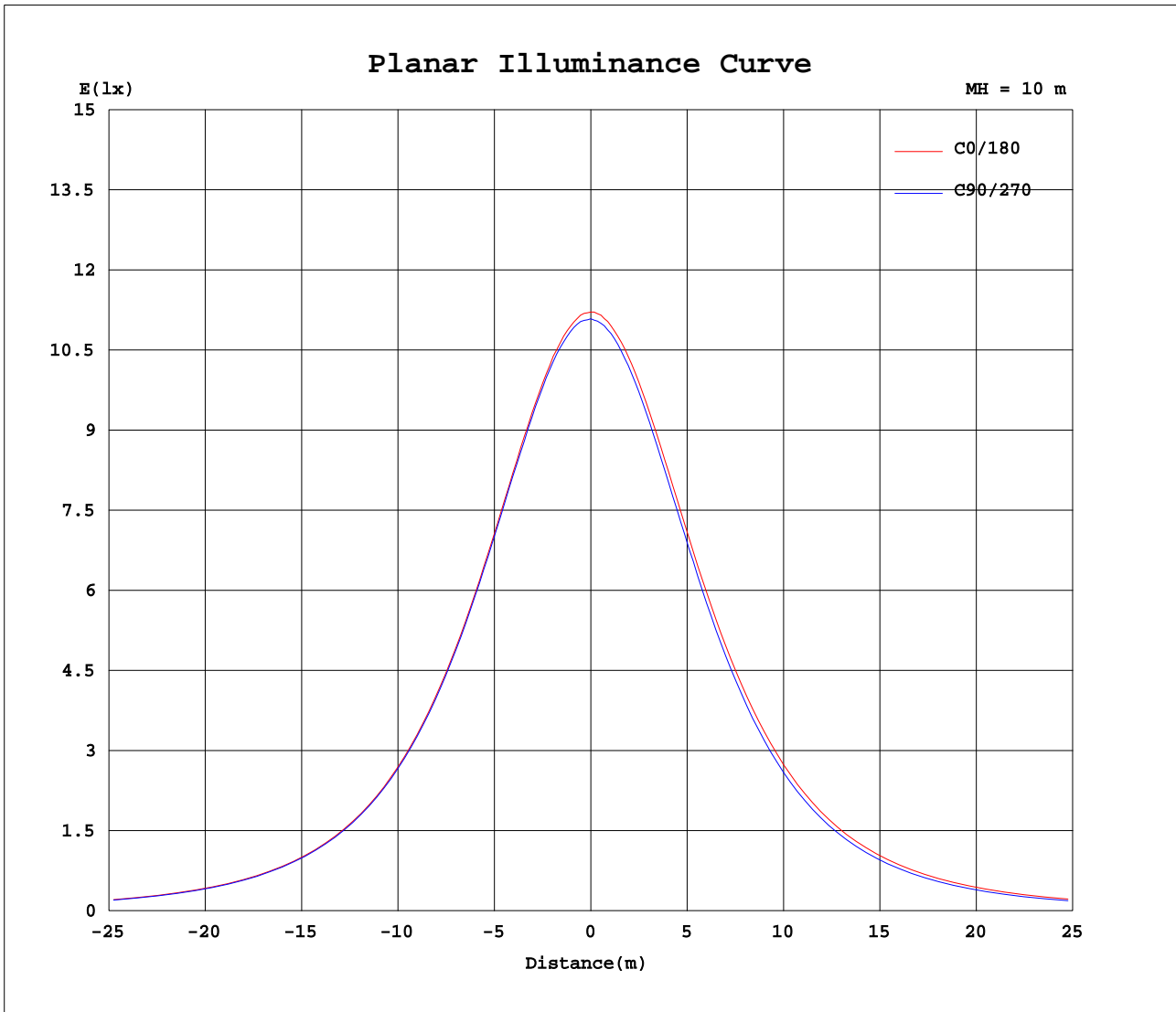
AvgL	cd/m2
L_0~180(65)av	10806
L_0~180(75)av	11898
L_0~180(85)av	21702
L_90~270(65)av	10018
L_90~270(75)av	9930
L_90~270(85)av	14667
L_45(65)av	10365
L_45(75)av	10910
L_45(85)av	18530

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-04-07

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: 2022-04-07

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:0.3616A P:45W PF:0.9852 Lamp Flux:3360x1 lm		
NAME: ASD-LFMOV-MV-32D45CC-NK/BZ 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	1121	1116	1114	1112	1107	1108	1109	1104	1103	1102	1106	1106	1121	1116	1114	1112	1107	1108	1109
5	1115	1115	1114	1112	1106	1106	1105	1100	1095	1094	1097	1095	1116	1106	1103	1100	1098	1099	1100
10	1100	1106	1107	1103	1096	1094	1092	1085	1079	1077	1078	1075	1102	1087	1081	1080	1078	1081	1083
15	1076	1084	1086	1084	1076	1073	1068	1061	1053	1053	1050	1047	1078	1059	1052	1050	1051	1055	1058
20	1045	1055	1059	1056	1046	1043	1035	1028	1017	1017	1014	1010	1046	1023	1014	1012	1014	1018	1022
25	1002	1016	1024	1019	1008	1002	994	985	974	974	968	966	1005	980	969	967	969	973	978
30	952	969	979	974	960	952	945	934	922	923	917	915	957	930	917	915	917	921	927
35	895	896	928	920	906	897	888	878	864	865	859	856	902	871	859	855	857	862	868
40	832	833	868	861	846	835	823	814	798	801	795	792	842	800	793	791	793	797	802
45	762	765	802	795	778	767	754	743	728	731	725	722	774	728	723	720	723	726	733
50	687	691	732	724	706	693	680	668	652	658	650	648	702	652	649	645	648	651	658
55	608	613	655	648	628	615	600	590	573	579	571	571	626	575	571	568	570	572	579
60	527	532	575	568	548	534	517	507	491	497	490	490	547	489	491	488	490	491	496
65	447	451	494	486	466	450	434	422	406	414	410	410	466	411	413	408	409	407	413
70	369	373	414	405	383	366	347	336	322	332	331	335	388	337	338	332	328	325	326
75	299	303	338	327	305	285	266	256	244	257	260	267	317	271	271	262	257	248	248
80	236	241	270	258	234	212	192	182	176	191	199	207	253	213	212	202	193	183	178
85	183	186	211	198	176	153	134	124	123	139	148	158	196	164	161	152	142	130	122
90	138	140	161	149	128	107	89.4	82.8	83.1	97.4	107	117	149	123	121	111	101	89.4	82.3
95	102	104	120	109	90.8	73.9	60.2	56.1	57.5	68.9	78.2	87.2	112	93.0	90.5	82.3	73.3	63.5	57.2
100	76.8	78.5	88.6	79.8	66.0	53.8	45.4	42.8	45.9	53.5	61.1	68.3	85.7	74.3	72.3	65.9	58.8	51.7	47.2
105	62.6	63.3	68.0	60.9	51.9	44.9	39.5	38.0	42.3	48.1	54.1	60.0	70.2	66.5	65.2	60.9	55.7	49.5	44.8
110	57.1	57.2	57.6	51.7	46.5	41.3	35.7	35.9	40.2	46.2	52.6	58.4	65.5	64.5	63.4	59.0	53.8	47.8	43.3
115	55.5	55.4	54.5	49.2	43.3	37.8	34.0	34.6	38.7	44.1	50.5	56.0	63.5	61.6	60.4	56.2	50.9	45.1	41.2
120	53.1	52.9	51.7	46.6	41.0	35.9	32.5	32.6	36.4	41.6	47.5	52.6	60.3	57.8	56.7	52.4	47.4	42.2	38.6
125	49.8	49.4	48.2	43.7	38.3	33.4	30.3	30.4	33.9	38.7	44.1	48.7	56.3	53.5	52.4	48.5	44.0	39.2	35.9
130	45.5	45.1	44.4	40.6	35.4	30.9	28.1	28.0	31.1	35.5	40.3	44.6	51.8	48.9	47.7	44.0	40.0	35.9	33.0
135	41.1	40.9	40.7	36.9	32.3	28.4	25.5	25.6	28.3	32.2	36.3	40.0	47.1	43.8	42.8	39.4	36.0	32.3	29.8
140	36.5	36.1	35.8	32.9	29.3	25.9	23.6	23.3	25.5	28.9	32.2	35.3	42.0	38.5	37.4	34.6	31.8	28.7	26.6
145	31.2	30.6	31.4	29.0	25.5	23.2	21.4	21.0	22.6	25.6	28.3	30.6	36.5	32.5	31.7	29.7	27.6	25.2	23.7
150	26.5	25.8	26.9	24.9	22.1	20.3	19.0	19.0	19.9	22.3	24.4	26.1	31.1	27.2	26.2	24.9	23.4	21.8	21.0
155	21.9	21.3	22.5	21.0	19.8	18.3	17.6	17.4	17.8	19.1	20.8	22.2	26.0	22.7	22.3	21.1	20.2	19.1	18.6
160	19.4	19.1	19.7	19.0	17.9	16.9	16.7	16.5	16.4	17.1	18.1	19.1	22.1	19.7	19.2	18.3	17.8	17.2	17.0
165	17.5	17.3	17.7	17.2	16.3	15.7	15.6	15.6	15.5	15.9	16.4	16.9	19.0	17.2	17.2	16.9	16.6	16.4	16.2
170	16.2	16.0	16.3	16.1	15.5	15.0	15.0	15.1	15.1	15.5	15.9	16.2	17.3	16.4	16.4	16.3	16.2	15.9	15.6
175	15.5	15.6	15.6	15.4	15.2	14.9	14.9	14.9	14.8	15.1	15.3	15.2	16.7	15.5	15.2	15.1	15.0	15.2	15.0
180	15.4	15.1	15.2	15.2	15.1	15.1	14.9	15.0	14.9	14.8	14.6	14.6	15.4	15.5	15.2	15.1	15.2	15.1	15.0

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-07

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:

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NAME: ASD-LFMOV-MV-32D45CC-NK/BZ 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	1104	1103	1102	1106	1106														
5	1100	1100	1100	1103	1106														
10	1083	1086	1087	1093	1097														
15	1058	1063	1064	1074	1078														
20	1024	1030	1033	1046	1051														
25	981	991	993	1007	1014														
30	931	942	945	961	969														
35	873	886	890	908	917														
40	809	824	827	847	858														
45	740	754	759	780	791														
50	663	681	686	708	720														
55	585	603	610	632	645														
60	503	522	528	552	565														
65	418	438	445	469	484														
70	333	353	362	388	404														
75	251	273	283	311	329														
80	180	200	214	243	261														
85	125	142	157	183	203														
90	83.5	98.2	112	136	154														
95	57.4	67.7	79.1	98.4	114														
100	46.6	51.1	59.2	72.5	84.4														
105	43.6	45.8	49.7	57.9	66.1														
110	42.4	44.8	48.5	52.7	57.6														
115	40.6	43.0	46.9	51.3	55.3														
120	38.1	40.6	44.1	49.1	52.8														
125	35.5	38.1	41.2	45.8	49.9														
130	32.9	35.4	38.5	42.3	46.0														
135	30.0	32.4	35.6	38.9	41.8														
140	27.1	29.4	32.0	35.2	37.9														
145	24.3	26.5	28.4	31.2	33.1														
150	21.7	23.3	24.9	27.4	28.4														
155	19.1	20.5	21.6	23.2	24.1														
160	17.4	18.7	19.4	20.2	20.6														
165	16.2	17.1	17.5	18.1	18.6														
170	15.5	15.8	16.0	16.4	16.8														
175	15.1	15.3	15.3	15.4	15.6														
180	14.9	14.9	14.9	14.6	14.6														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-04-07

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: