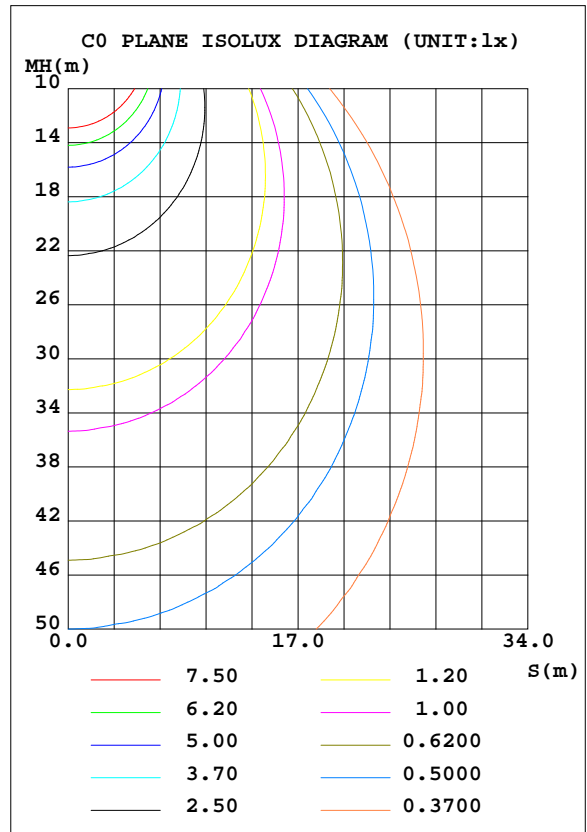
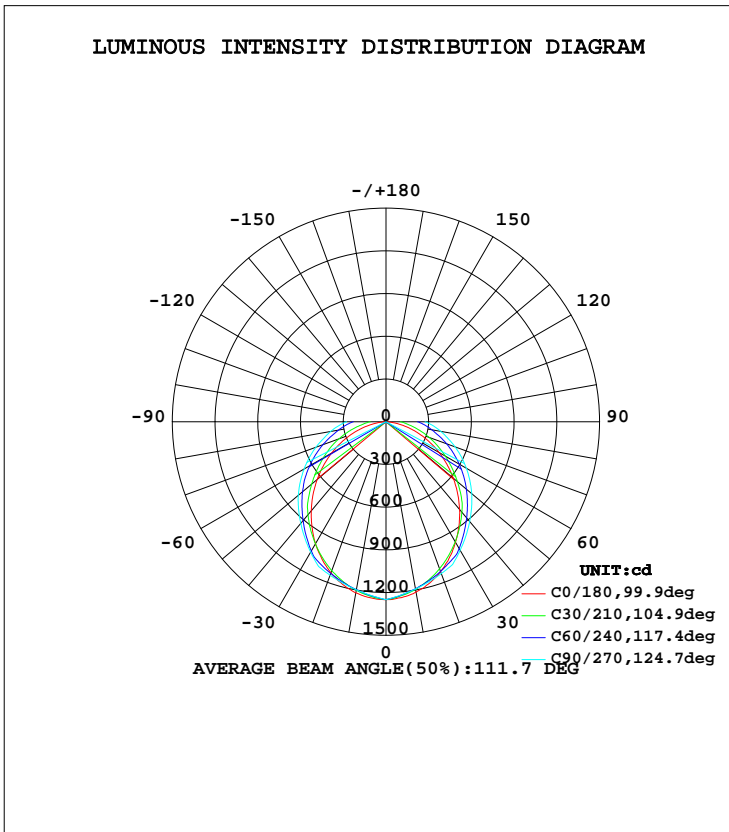


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.3V I:0.2379A P:28.49W PF:0.9959 Lamp Flux:3740.53x1 lm		
NAME: MLSN2-28/D10/U/35	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:665*65.5	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.31 lm/W			
MODEL	3500K	I _{max} (cd)	1250	S/MH(C0/180)	1.19
NOMINAL POWER(W)	28	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3740.5	η UP, DN(C0-180)	0.0,49.6
NOMINAL FLUX(lm)	3740.53	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,50.4
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	100.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-06-02

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:8.900m [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
5	1240	1223	1221	1226	1241	1228	1224	1225	0- 5	29.55	29.55	0.79,0.79
10	1214	1192	1193	1195	1220	1199	1199	1196	5- 10	86.75	116.3	3.11,3.11
15	1176	1152	1164	1158	1181	1164	1173	1158	10- 15	140.0	256.3	6.85,6.85
20	1120	1107	1135	1114	1129	1120	1147	1116	15- 20	188.1	444.5	11.9,11.9
25	1053	1057	1106	1066	1064	1076	1121	1069	20- 25	230.0	674.4	18,18
30	976.2	1003	1042	1013	990.0	1024	1058	1018	25- 30	263.8	938.3	25.1,25.1
35	893.9	938.0	978.3	950.0	905.8	961.1	994.8	956.5	30- 35	287.3	1226	32.8,32.8
40	804.7	855.5	914.3	870.2	816.7	881.2	931.5	874.0	35- 40	301.2	1527	40.8,40.8
45	711.1	773.0	850.2	790.1	725.2	800.5	868.2	794.3	40- 45	306.0	1833	49,49
50	618.9	692.1	786.2	711.2	630.2	721.4	804.8	714.7	45- 50	302.5	2135	57.1,57.1
55	522.7	613.9	718.8	635.7	535.7	645.5	734.5	638.8	50- 55	291.4	2427	64.9,64.9
60	430.2	538.3	651.5	561.5	441.7	571.0	664.2	566.1	55- 60	273.2	2700	72.2,72.2
65	338.4	463.2	584.1	484.8	349.1	490.7	593.9	486.9	60- 65	249.2	2949	78.8,78.8
70	248.6	390.9	516.7	411.9	258.8	415.0	523.6	412.2	65- 70	220.6	3170	84.7,84.7
75	164.1	323.0	449.3	343.0	172.7	342.7	453.2	340.7	70- 75	188.8	3358	89.8,89.8
80	87.32	260.8	391.2	279.3	94.17	276.0	394.6	275.6	75- 80	156.3	3515	94,94
85	26.57	212.6	333.1	228.5	31.05	224.5	336.0	224.3	80- 85	126.2	3641	97.3,97.3
90	0.5848	166.9	275.1	180.2	0.6419	175.5	277.4	175.8	85- 90	99.64	3741	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

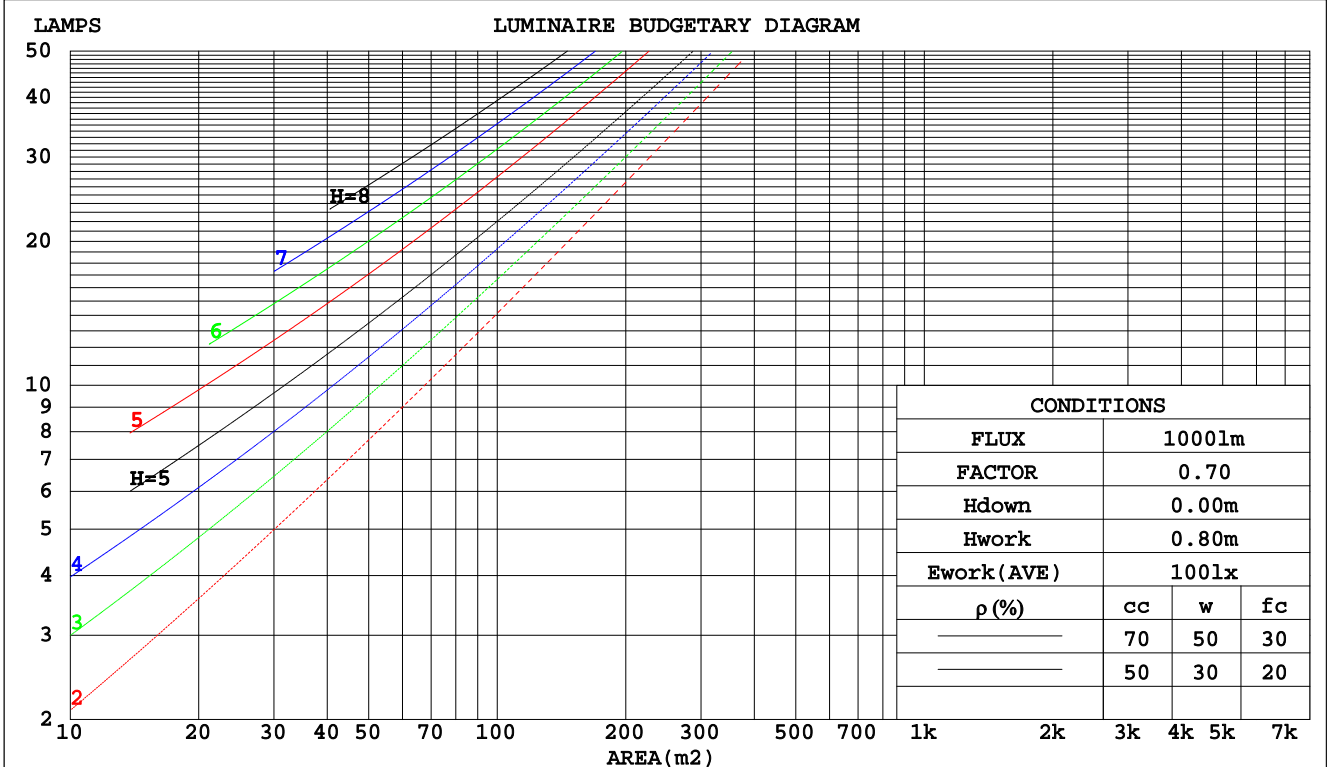
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-06-02

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:8.900m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.3V I:0.2379A P:28.49W PF:0.9959 Lamp Flux:3740.53x1 lm		
NAME: MLSN2-28/D10/U/35	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:665*65.5	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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.01	.96	.91	.99	.94	.90	.94	.91	.87	.90	.87	.84	.87	.84	.82	.80
2.0	.87	.80	.73	.85	.78	.72	.82	.76	.71	.78	.73	.69	.75	.71	.67	.65
3.0	.76	.67	.60	.75	.66	.60	.71	.64	.59	.69	.63	.58	.66	.61	.56	.54
4.0	.67	.58	.51	.66	.57	.50	.63	.56	.50	.61	.54	.49	.59	.53	.48	.46
5.0	.60	.51	.44	.59	.50	.43	.57	.49	.43	.55	.48	.42	.53	.47	.42	.40
6.0	.54	.45	.38	.53	.44	.38	.51	.43	.37	.49	.42	.37	.48	.42	.37	.35
7.0	.49	.40	.33	.48	.39	.33	.47	.39	.33	.45	.38	.33	.44	.37	.33	.30
8.0	.45	.36	.30	.44	.36	.30	.43	.35	.30	.41	.34	.29	.40	.34	.29	.27
9.0	.41	.33	.27	.40	.32	.27	.39	.32	.27	.38	.31	.26	.37	.31	.26	.24
10.0	.38	.30	.24	.37	.30	.24	.36	.29	.24	.35	.29	.24	.34	.28	.24	.22



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-06-02

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:8.900m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.3V I:0.2379A P:28.49W PF:0.9959 Lamp Flux:3740.53x1 lm		
NAME: MLSN2-28/D10/U/35	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:665*65.5	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	.364	.207	.066	.357	.204	.065	.343	.197	.063	.331	.191	.061	.319	.185	.060	
2.0	.323	.177	.054	.317	.174	.054	.305	.169	.053	.294	.165	.052	.283	.160	.051	
3.0	.291	.155	.046	.285	.153	.046	.274	.149	.045	.265	.145	.044	.255	.141	.044	
4.0	.264	.137	.040	.259	.135	.040	.249	.132	.039	.241	.129	.039	.232	.126	.038	
5.0	.241	.123	.036	.237	.121	.035	.228	.119	.035	.220	.116	.035	.213	.114	.034	
6.0	.222	.111	.032	.218	.110	.032	.210	.108	.031	.203	.106	.031	.197	.104	.031	
7.0	.205	.101	.029	.202	.100	.029	.195	.099	.028	.189	.097	.028	.183	.095	.028	
8.0	.191	.093	.026	.188	.092	.026	.182	.091	.026	.176	.089	.026	.171	.088	.026	
9.0	.178	.086	.024	.175	.085	.024	.170	.084	.024	.165	.083	.024	.160	.081	.024	
10.0	.167	.080	.022	.164	.079	.022	.160	.078	.022	.155	.077	.022	.151	.076	.022	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.184	.156	.130	.157	.134	.112	.108	.092	.077	.062	.053	.045	.020	.017	.015	
2.0	.176	.132	.094	.151	.113	.081	.104	.078	.057	.060	.046	.033	.019	.015	.011	
3.0	.168	.114	.071	.144	.099	.062	.099	.069	.043	.057	.040	.026	.018	.013	.008	
4.0	.160	.101	.056	.138	.088	.049	.095	.061	.034	.055	.036	.020	.018	.012	.007	
5.0	.153	.091	.046	.131	.079	.040	.090	.055	.028	.052	.032	.017	.017	.011	.005	
6.0	.145	.083	.038	.125	.072	.033	.086	.050	.023	.050	.029	.014	.016	.010	.005	
7.0	.138	.076	.032	.119	.066	.028	.082	.046	.020	.048	.027	.012	.015	.009	.004	
8.0	.131	.070	.028	.113	.061	.024	.078	.043	.017	.045	.025	.010	.015	.008	.003	
9.0	.125	.065	.025	.107	.056	.022	.074	.040	.015	.043	.023	.009	.014	.008	.003	
10.0	.119	.061	.022	.102	.053	.019	.071	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-06-02

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:8.900m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.3V I:0.2379A P:28.49W PF:0.9959 Lamp Flux:3740.53x1 lm										
NAME: MLSN2-28/D10/U/35					TYPE:LED			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:1		
MFR.: EVERFINE					SUR.:665*65.5			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	22.9	24.5	23.1	24.7	24.9	24.7	26.3	25.0	26.5	26.7
3H	24.1	25.6	24.4	25.9	26.1	27.0	28.5	27.3	28.7	28.9
4H	24.6	26.0	24.9	26.3	26.5	28.2	29.6	28.5	29.9	30.1
6H	24.9	26.2	25.2	26.5	26.8	29.5	30.9	29.9	31.2	31.4
8H	24.9	26.2	25.3	26.5	26.8	30.3	31.6	30.6	31.9	32.2
12H	24.9	26.2	25.3	26.5	26.8	31.1	32.4	31.5	32.7	33.0
4H 2H	23.8	25.2	24.1	25.5	25.8	25.2	26.6	25.5	26.9	27.1
3H	25.3	26.6	25.7	26.9	27.2	27.7	29.0	28.1	29.3	29.6
4H	26.0	27.1	26.3	27.4	27.8	29.2	30.3	29.6	30.6	31.0
6H	26.4	27.4	26.8	27.8	28.1	30.7	31.8	31.1	32.1	32.5
8H	26.5	27.5	26.9	27.8	28.2	31.6	32.6	32.0	33.0	33.3
12H	26.5	27.4	26.9	27.8	28.2	32.6	33.5	33.0	33.9	34.3
8H 4H	26.8	27.8	27.2	28.1	28.5	29.5	30.4	29.9	30.8	31.2
6H	27.5	28.3	28.0	28.8	29.2	31.3	32.1	31.8	32.5	33.0
8H	27.8	28.5	28.3	29.0	29.4	32.4	33.1	32.9	33.6	34.0
12H	28.0	28.6	28.4	29.0	29.5	33.7	34.3	34.1	34.7	35.2
12H 4H	27.1	28.0	27.5	28.3	28.8	29.5	30.4	29.9	30.8	31.2
6H	28.0	28.7	28.4	29.1	29.6	31.4	32.1	31.9	32.6	33.0
8H	28.4	29.0	28.9	29.5	30.0	32.6	33.2	33.1	33.7	34.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.1 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 3741 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.6)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-06-02

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:8.900m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.3V I:0.2379A P:28.49W PF:0.9959 Lamp Flux:3740.53x1 lm		
NAME: MLSN2-28/D10/U/35	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:665*65.5	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	44	36	55	43	36	54	43	36	30
0.80	65	53	45	64	53	45	62	52	45	38
1.00	73	62	54	72	61	54	70	63	53	45
1.25	80	69	61	79	68	61	76	67	60	52
1.50	85	74	67	83	74	66	80	72	65	57
2.00	92	83	75	90	81	75	86	79	73	65
2.50	96	87	81	94	86	80	90	83	78	69
3.00	100	92	86	97	90	84	93	87	82	73
4.00	104	97	92	101	95	91	97	92	88	78
5.00	107	101	96	104	99	94	99	95	91	82
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-06-02

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:8.900m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

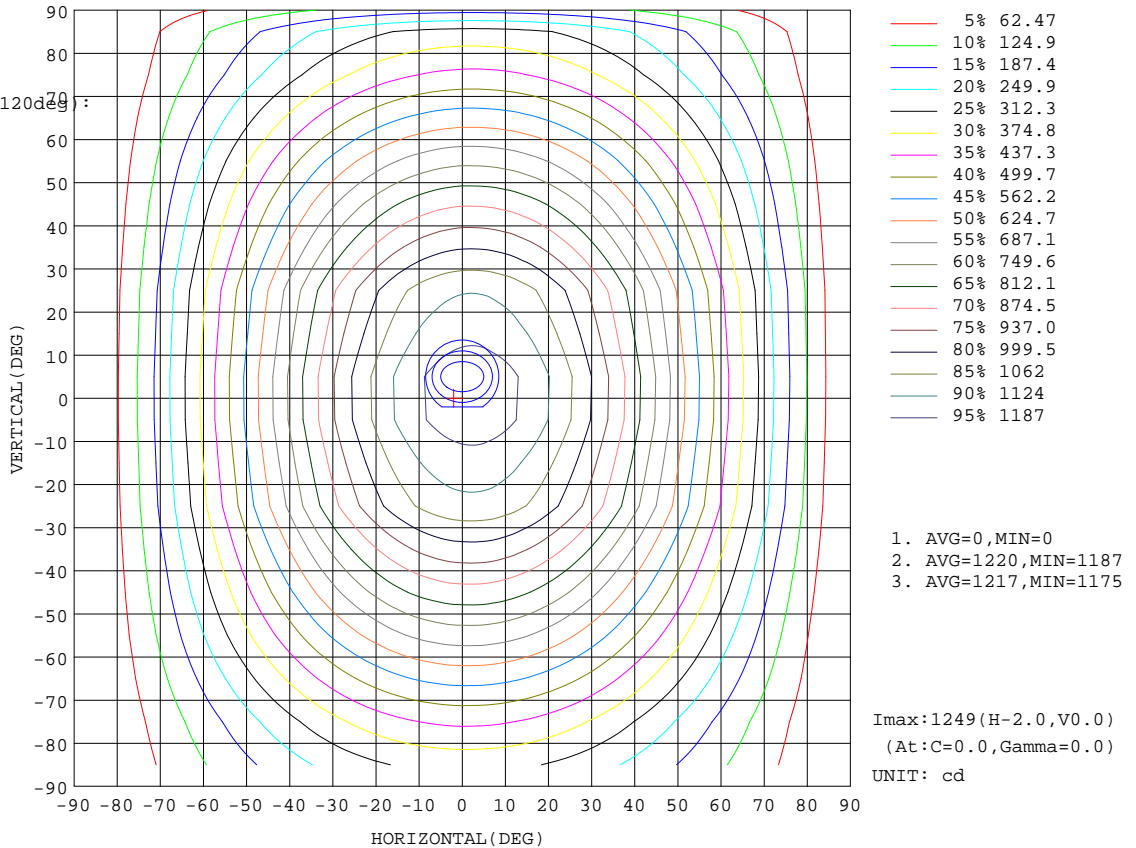
Test:U:120.3V I:0.2379A P:28.49W PF:0.9959 Lamp Flux:3740.53x1 lm		
NAME: MLSN2-28/D10/U/35	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:665*65.5	PROTECTION ANGLE:

Conical surface Flux(90deg):

1832.7 lm
%lum = 49.0%
%lamp = 49.0%

Conical surface Flux(120deg):

2699.8 lm
%lum = 72.2%
%lamp = 72.2%

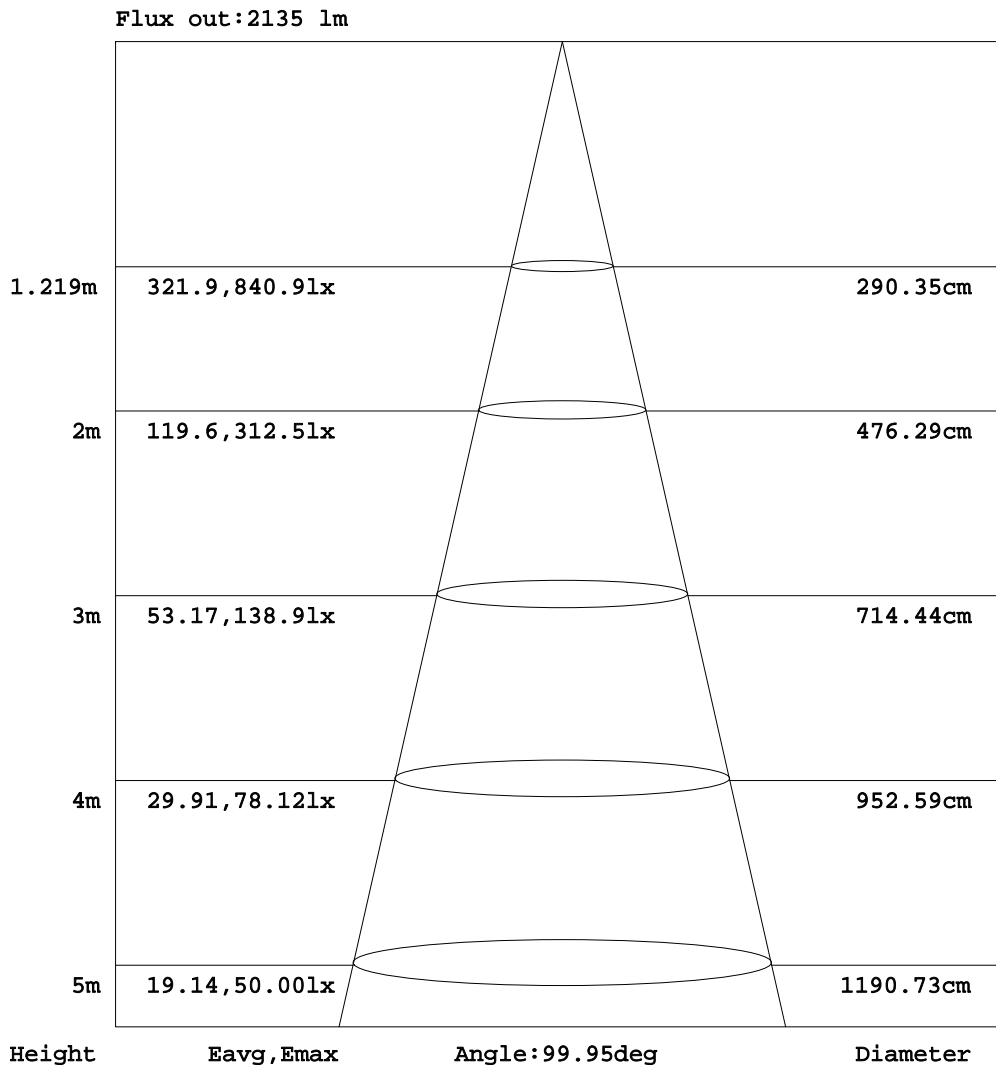


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-06-02

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:8.900m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.3V I:0.2379A P:28.49W PF:0.9959 Lamp Flux:3740.53x1 lm		
NAME: MLSN2-28/D10/U/35	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:665*65.5	PROTECTION ANGLE:



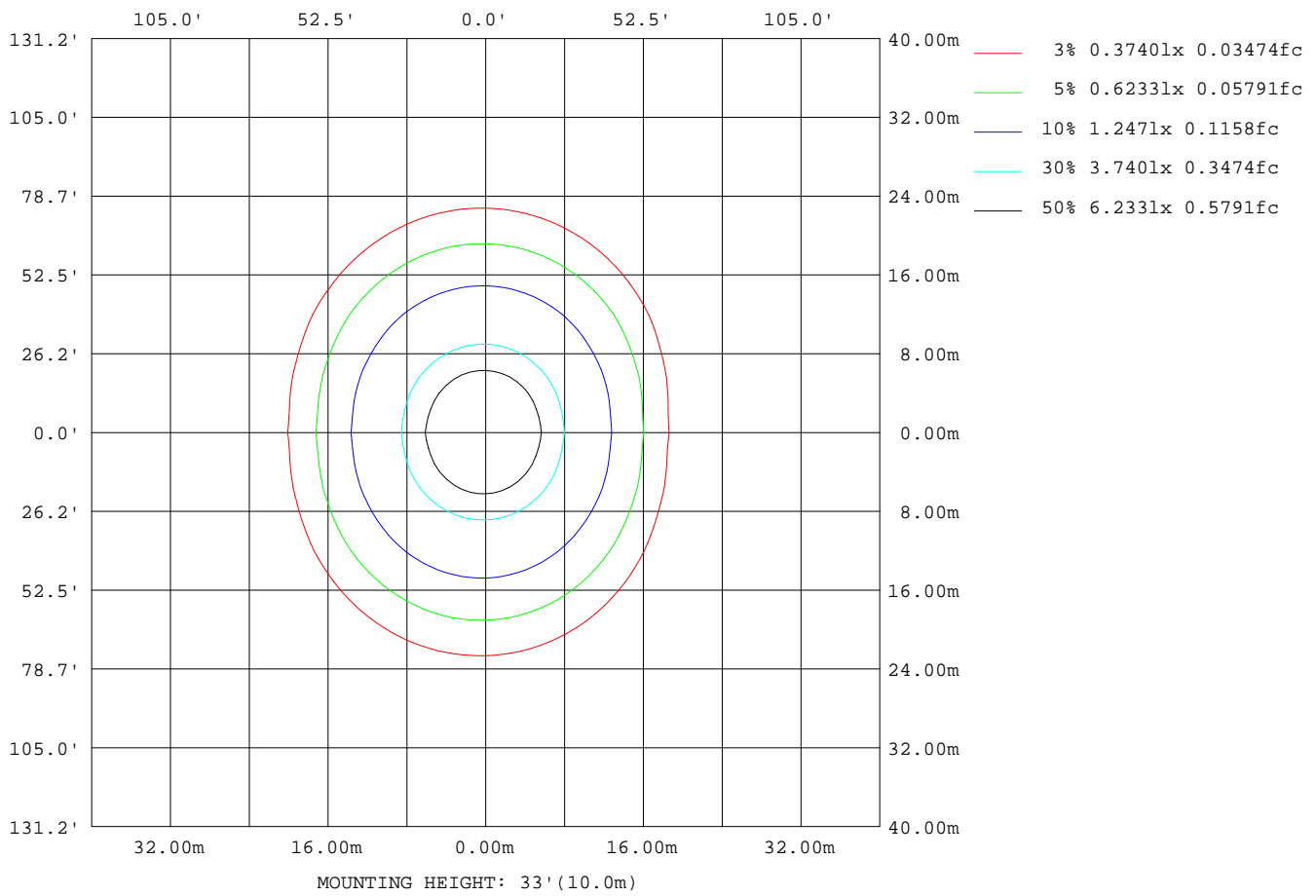
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-06-02

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:8.900m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.3V I:0.2379A P:28.49W PF:0.9959 Lamp Flux:3740.53x1 lm		
NAME: MLSN2-28/D10/U/35	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:665*65.5	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-06-02

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:8.900m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.3V I:0.2379A P:28.49W PF:0.9959 Lamp Flux:3740.53x1 lm		
NAME: MLSN2-28/D10/U/35	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:665*65.5	PROTECTION ANGLE:

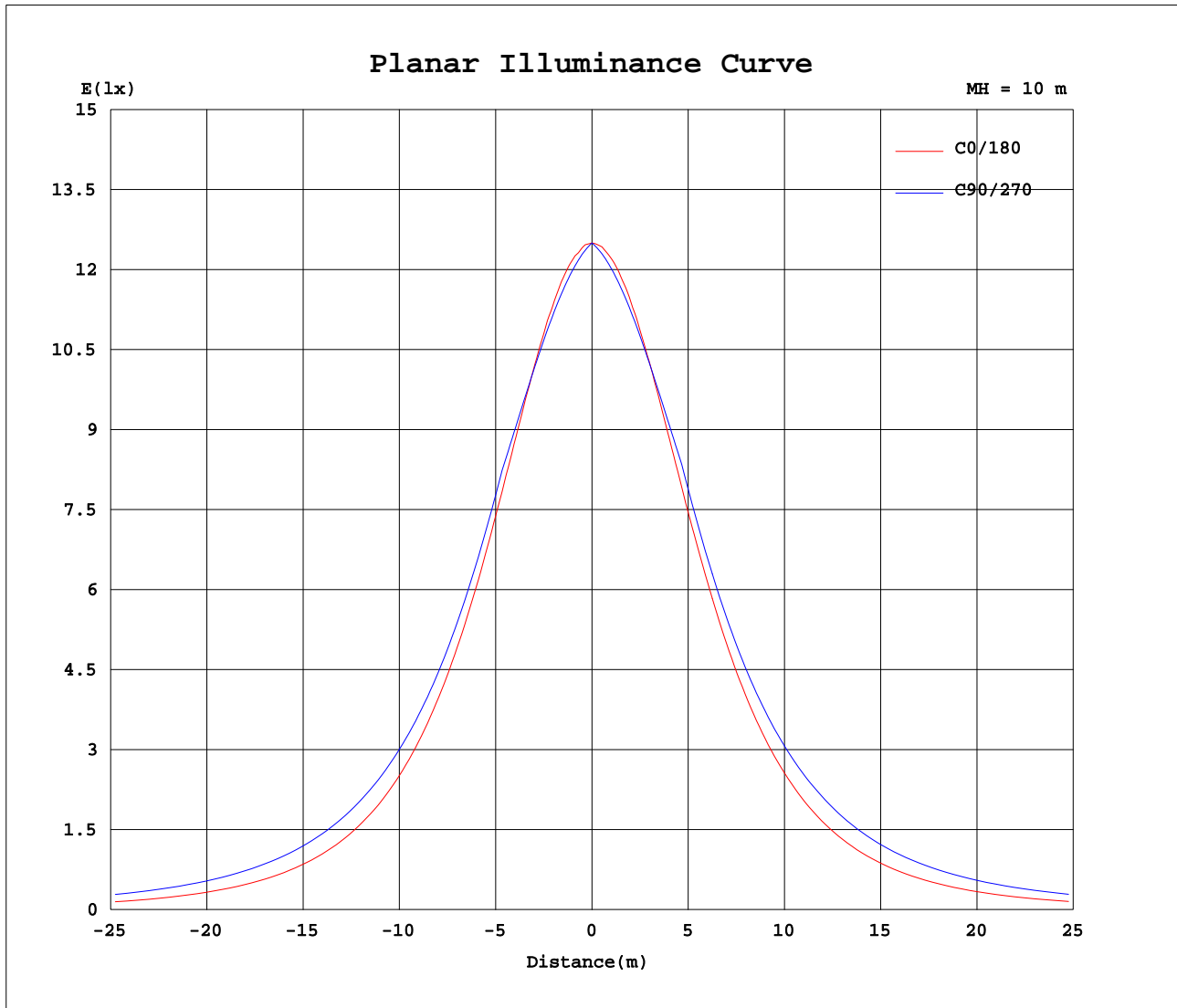
AvgL	cd/m2
L_0~180(65)av	18960
L_0~180(75)av	15163
L_0~180(85)av	7704
L_90~270(65)av	32484
L_90~270(75)av	40641
L_90~270(85)av	89477
L_45(65)av	26550
L_45(75)av	30381
L_45(85)av	59495

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-06-02

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:8.900m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-06-02

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity: 65.0%
 Test Distance: 8.900m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.3V I:0.2379A P:28.49W PF:0.9959 Lamp Flux:3740.53x1 lm		
NAME: MLSN2-28/D10/U/35	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:665*65.5	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) \ γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250
5	1240	1237	1235	1233	1231	1229	1227	1225	1224	1223	1223	1223	1222	1222	1222	1221	1221	1221	1221
10	1214	1210	1206	1203	1200	1198	1196	1194	1193	1192	1191	1191	1191	1190	1191	1192	1192	1192	1193
15	1176	1169	1163	1158	1155	1153	1153	1151	1150	1152	1154	1155	1156	1158	1160	1161	1162	1163	1164
20	1120	1112	1106	1103	1100	1098	1099	1101	1104	1107	1111	1114	1119	1124	1127	1131	1133	1134	1135
25	1053	1044	1038	1036	1034	1035	1039	1044	1050	1057	1065	1072	1079	1087	1093	1098	1104	1105	1106
30	976	967	962	960	961	966	973	981	992	1003	1015	1025	1028	1030	1035	1037	1041	1042	1042
35	894	884	879	878	883	891	902	916	932	938	944	949	955	961	965	971	975	978	978
40	805	795	792	794	801	814	829	845	849	855	863	873	881	890	897	904	909	913	914
45	711	702	701	707	718	735	748	754	763	773	785	796	809	820	830	837	844	849	850
50	619	610	609	618	635	649	656	666	678	692	707	723	737	750	761	772	779	784	786
55	523	515	519	531	548	555	566	580	597	614	632	650	666	680	692	703	711	716	719
60	430	423	429	447	454	464	480	498	519	538	557	576	593	609	623	634	643	649	651
65	338	333	343	355	364	380	400	421	442	463	483	503	522	539	554	566	575	582	584
70	249	246	259	266	281	301	323	345	368	391	413	434	453	471	486	498	507	514	517
75	164	163	172	185	205	228	252	276	300	323	346	367	386	404	418	431	440	447	449
80	87.3	89.4	97.3	117	140	164	188	212	236	261	285	307	327	345	360	373	382	389	391
85	26.6	27.8	43.9	64.5	87.2	113	139	164	189	213	235	256	274	291	305	316	325	331	333
90	0.58	5.30	18.7	36.8	57.6	79.5	102	124	146	167	187	206	222	237	250	260	268	273	275

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-06-02

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:8.900m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.3V I:0.2379A P:28.49W PF:0.9959 Lamp Flux:3740.53x1 lm		
NAME: MLSN2-28/D10/U/35	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:665*65.5	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250
5	1221	1221	1221	1222	1222	1223	1224	1225	1226	1226	1228	1229	1231	1233	1235	1237	1239	1241	1239
10	1192	1192	1193	1193	1192	1193	1193	1194	1195	1196	1197	1199	1201	1204	1207	1211	1215	1220	1216
15	1164	1163	1163	1162	1161	1160	1159	1158	1158	1157	1157	1159	1160	1161	1165	1169	1175	1181	1176
20	1135	1134	1133	1131	1127	1124	1121	1117	1114	1111	1108	1108	1107	1108	1111	1115	1121	1129	1122
25	1106	1105	1102	1097	1092	1086	1079	1072	1066	1059	1053	1049	1046	1045	1046	1049	1055	1064	1056
30	1042	1043	1041	1039	1038	1036	1033	1024	1013	1003	992	984	977	974	972	974	980	990	982
35	979	979	976	973	969	964	959	955	950	943	929	916	905	897	892	892	896	906	897
40	915	914	910	906	900	893	885	877	870	864	859	844	829	815	807	805	807	817	809
45	851	849	845	840	831	822	811	801	790	779	771	763	750	732	720	714	716	725	718
50	787	785	781	774	764	752	739	725	711	698	684	672	664	650	633	624	622	630	624
55	720	717	713	704	695	683	669	653	636	617	600	585	572	565	547	533	528	536	530
60	652	649	643	635	623	610	595	578	561	541	521	501	485	471	462	443	436	442	438
65	585	581	575	566	553	539	522	505	485	465	446	424	402	384	371	357	345	349	347
70	517	513	507	497	484	469	452	433	412	391	369	348	327	303	284	272	257	259	259
75	450	446	439	429	417	401	384	364	343	321	298	274	252	230	206	188	174	173	176
80	391	387	381	370	357	341	323	302	279	256	232	209	185	161	138	116	100	94.2	101
85	333	330	323	314	302	287	269	250	228	206	181	156	131	105	81.7	59.9	40.6	31.1	38.4
90	275	272	266	258	247	233	217	200	180	159	138	115	92.4	69.6	47.7	27.5	10.6	0.64	7.65

C Range: 0 - 360DEG γ Range: 0 - 90DEG
 C Interval: 5.0DEG γ Interval: 0.5DEG
 Test Speed: HIGH Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Temperature:25.3DEG Humidity:65.0%
 Operators: Test Distance:8.900m [K=1.0000]
 Test Date:2022-06-02 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.3V I:0.2379A P:28.49W PF:0.9959 Lamp Flux:3740.53x1 lm		
NAME: MLSN2-28/D10/U/35	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:665*65.5	PROTECTION ANGLE:

Table--3

UNIT: cd

C(DEG)\ γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250
5	1237	1235	1234	1232	1231	1229	1228	1228	1227	1227	1226	1225	1224	1224	1224	1224	1224	1224	1224
10	1212	1209	1206	1203	1201	1200	1200	1199	1199	1198	1198	1198	1198	1198	1198	1198	1199	1198	1198
15	1171	1167	1164	1163	1163	1162	1163	1164	1164	1165	1167	1169	1170	1171	1172	1172	1173	1172	1171
20	1117	1114	1112	1112	1114	1114	1118	1120	1126	1130	1134	1137	1141	1143	1146	1146	1147	1146	1145
25	1051	1049	1049	1051	1055	1060	1067	1076	1082	1089	1098	1105	1110	1116	1119	1121	1121	1120	1118
30	977	976	978	983	991	1000	1012	1024	1036	1047	1049	1052	1054	1056	1057	1058	1058	1057	1055
35	894	896	902	912	924	938	954	961	967	972	978	982	987	991	994	995	995	994	992
40	807	812	821	835	853	869	874	881	888	897	906	913	920	925	930	933	931	931	927
45	718	726	739	758	772	780	789	801	812	823	835	845	853	860	866	869	868	867	863
50	627	638	657	673	681	692	707	721	737	752	765	777	788	795	802	806	805	804	800
55	536	551	572	579	593	609	626	645	663	681	695	707	717	725	732	735	735	733	730
60	447	468	478	491	509	529	551	571	589	604	619	633	643	653	660	664	664	663	659
65	361	376	389	408	431	454	473	491	510	527	544	559	571	581	589	593	594	592	588
70	276	287	307	332	352	373	394	415	435	454	471	487	500	510	518	522	524	522	517
75	190	209	232	254	276	299	321	343	363	383	400	416	429	440	447	451	453	451	447
80	116	138	160	184	207	230	253	276	299	320	339	355	369	380	388	393	395	393	388
85	56.6	77.8	101	127	152	178	202	224	246	266	284	299	312	323	330	334	336	334	330
90	23.6	43.4	65.2	87.7	110	133	155	176	195	213	230	244	256	265	272	276	277	276	272

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-06-02

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:8.900m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.3V I:0.2379A P:28.49W PF:0.9959 Lamp Flux:3740.53x1 lm		
NAME: MLSN2-28/D10/U/35	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:665*65.5	PROTECTION ANGLE:

Table--4

UNIT: cd

C(DEG) / γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250				
5	1224	1225	1225	1225	1225	1225	1225	1226	1226	1228	1230	1232	1233	1236	1238				
10	1197	1196	1195	1196	1196	1196	1196	1197	1197	1199	1201	1202	1204	1207	1210				
15	1169	1168	1166	1165	1163	1161	1158	1157	1157	1158	1158	1158	1161	1165	1170				
20	1141	1138	1135	1131	1124	1122	1116	1112	1109	1106	1104	1105	1106	1109	1113				
25	1113	1108	1101	1094	1086	1077	1069	1061	1053	1048	1043	1040	1041	1042	1046				
30	1053	1051	1048	1045	1042	1030	1018	1005	994	984	975	968	965	965	969				
35	989	983	979	973	967	962	956	948	930	915	901	891	885	883	886				
40	924	917	910	901	893	883	874	867	860	843	826	811	801	797	797				
45	858	851	842	830	818	806	794	782	772	765	749	730	716	707	705				
50	793	784	774	760	746	731	715	700	686	674	665	649	628	616	613				
55	722	714	702	690	675	658	639	621	603	586	572	564	544	527	519				
60	651	642	629	615	600	583	566	545	523	503	485	470	460	439	428				
65	580	570	556	541	524	506	487	466	448	425	402	383	371	354	338				
70	509	499	485	469	452	433	412	391	369	348	327	302	282	271	251				
75	439	428	415	399	381	362	341	319	296	273	250	228	204	185	170				
80	380	368	355	338	319	298	276	252	229	206	182	158	135	112	97.1				
85	322	312	299	283	265	246	224	201	178	153	127	101	78.0	55.9	36.7				
90	265	255	244	229	213	195	176	155	133	111	88.4	66.1	44.5	24.7	8.57				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-06-02

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:8.900m [K=1.0000]
 Remarks: