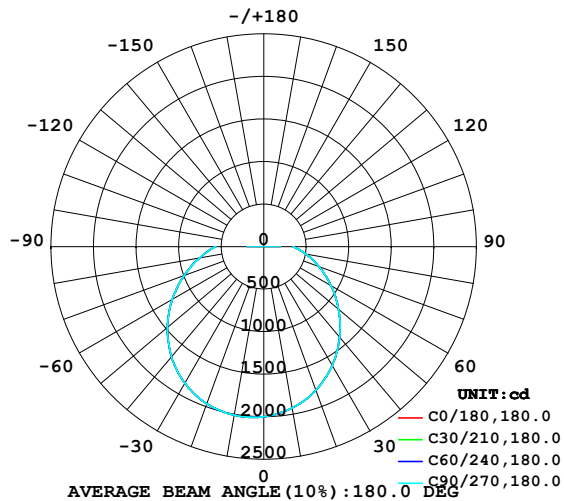


LUMINAIRE PHOTOMETRIC TEST REPORT

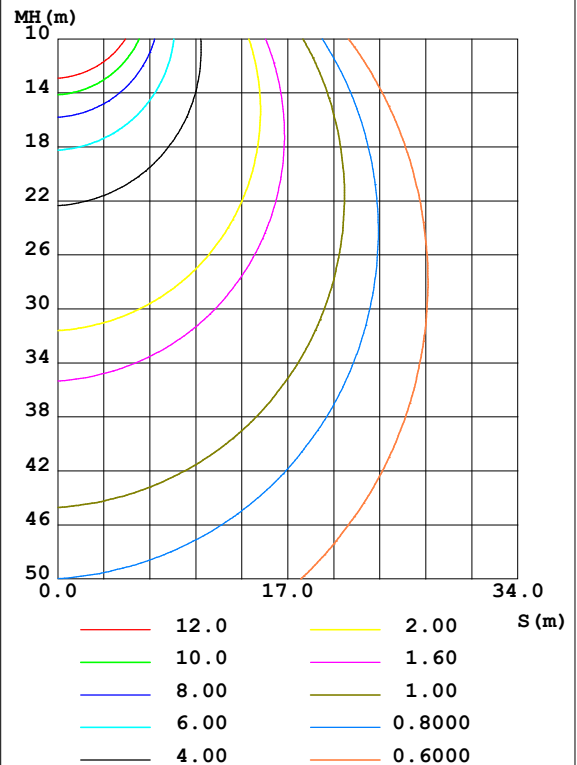
NAME: LT10S-50W	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1.212X0.1	SERIAL No.:2026052001
MFR.: Linmore LED Labs,Inc.	SUR.:1.212x0.1	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 145.34 lm/W			
MODEL		I <sub>max</sub> (cd)	2014	S/MH (C0/180)	1.38
NOMINAL POWER(W)	50	LOR(%)	100.0	S/MH (C90/270)	1.38
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	7092.6	□ UP, DN (C0-180)	0.0, 43.8
NOMINAL FLUX(lm)	7092.58	CIE CLASS	DIRECT	□ UP, DN (C180-360)	0.0, 56.2
LAMPS INSIDE	1	□ up (%)	0.0	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	220	□ down (%)	100.0	CIBSE SHR MAX	1.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Z  
Test Date:2026-5-20

□ Range: 0 - 90DEG  
□ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:5.800m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum, lamp
10	1926	1926	1926	1926	2011	2011	2011	2011	0- 10	189.3	189.3	2.67,2.67
20	1796	1796	1796	1796	1965	1965	1965	1965	10- 20	545.5	734.8	10.4,10.4
30	1611	1611	1611	1611	1854	1854	1854	1854	20- 30	836.1	1571	22.1,22.1
40	1387	1387	1387	1387	1688	1688	1688	1688	30- 40	1027	2598	36.6,36.6
50	1148	1148	1148	1148	1481	1481	1481	1481	40- 50	1103	3701	52.2,52.2
60	911.6	911.6	911.6	911.6	1242	1242	1242	1242	50- 60	1071	4772	67.3,67.3
70	690.2	690.2	690.2	690.2	997.7	997.7	997.7	997.7	60- 70	951.1	5723	80.7,80.7
80	500.6	500.6	500.6	500.6	767.1	767.1	767.1	767.1	70- 80	779.5	6502	91.7,91.7
90	343.4	343.4	343.4	343.4	564.3	564.3	564.3	564.3	80- 90	590.2	7093	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 3146.9 lm

%lum = 44.4%

%lamp = 44.4%

Conical surface Flux(120deg): 4771.8 lm

%lum = 67.3%

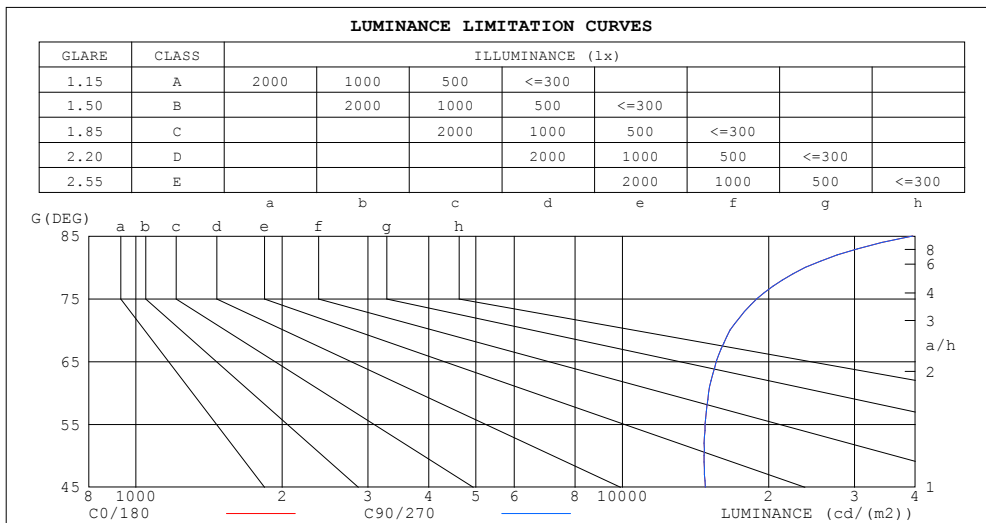
%lamp = 67.3%

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Z  
 Test Date:2026-5-20

□ Range: 0 - 90DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:5.800m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

NAME: LT10S-50W	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1.212X0.1	SERIAL No.:2026052001
MFR.: Linmore LED Labs, Inc.	SUR.:1.212x0.1	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	39572	39572
80	23786	23786
75	18900	18900
70	16650	16650
65	15598	15598
60	15042	15042
55	14801	14801
50	14738	14738
45	14807	14807

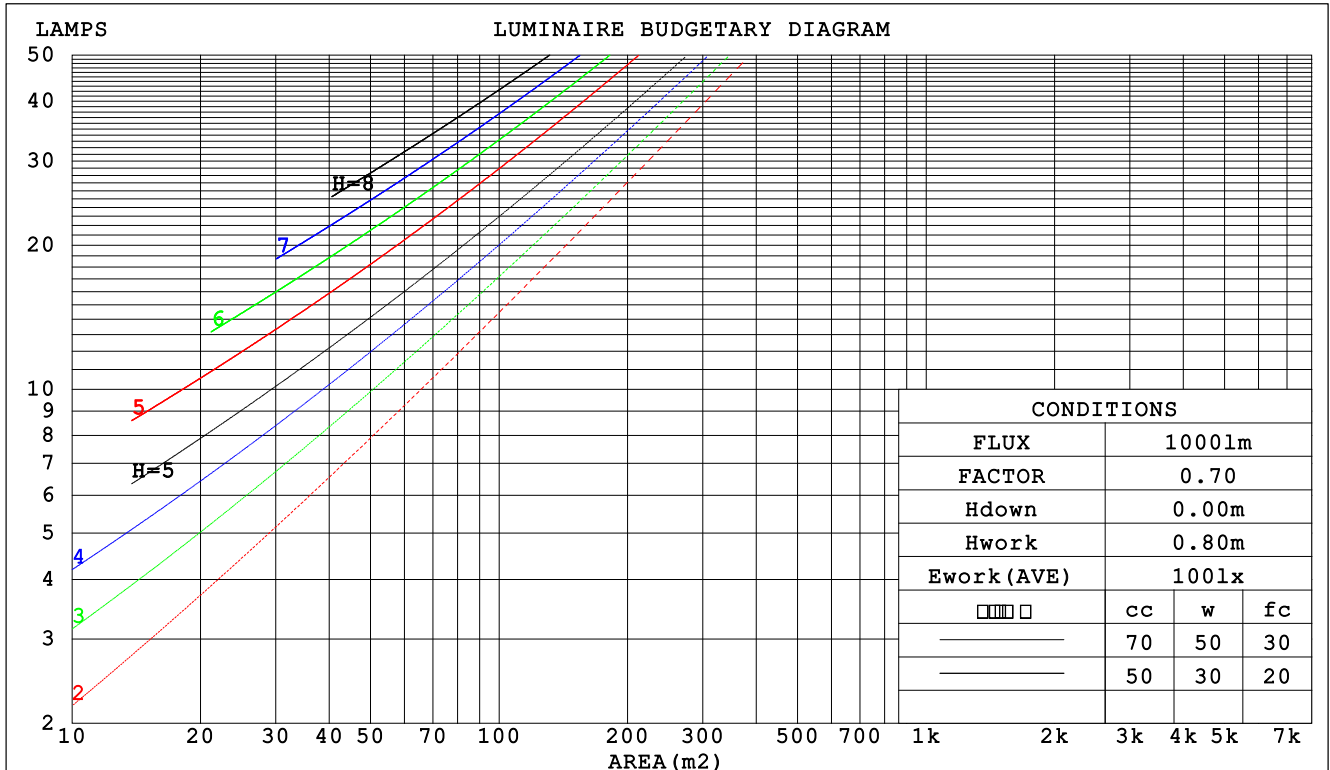
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Z  
Test Date:2026-5-20

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:5.800m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: LT10S-50W	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1.212X0.1	SERIAL No.:2026052001
MFR.: Linmore LED Labs,Inc.	SUR.:1.212x0.1	Shielding Angle:

□cc	80%			70%			50%			30%			10%			0
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
□fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Z  
Test Date:2026-5-20

□ Range: 0 - 90DEG  
□ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:5.800m [K=1.0000]  
Remarks:

### WEC AND CCEC

NAME: LT10S-50W	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1.212X0.1	SERIAL No.:2026052001
MFR.: Linmore LED Labs,Inc.	SUR.:1.212x0.1	Shielding Angle:

<input type="checkbox"/> cc	80%	70%	50%	30%	10%	0
<input type="checkbox"/> w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
<input type="checkbox"/> fc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC)					
0.0						
1.0	.400 .228 .072	.393 .224 .071	.379 .218 .069	.367 .211 .068	.355 .206 .066	
2.0	.346 .190 .058	.340 .187 .058	.327 .182 .057	.316 .177 .056	.306 .173 .055	
3.0	.307 .163 .049	.301 .161 .049	.291 .157 .048	.281 .154 .047	.271 .150 .046	
4.0	.276 .143 .042	.271 .142 .042	.261 .139 .041	.252 .136 .041	.244 .133 .040	
5.0	.251 .128 .037	.246 .126 .037	.238 .124 .036	.230 .121 .036	.222 .119 .036	
6.0	.229 .115 .033	.225 .114 .033	.218 .112 .032	.211 .110 .032	.204 .108 .032	
7.0	.211 .104 .030	.208 .104 .030	.201 .102 .029	.195 .100 .029	.189 .098 .029	
8.0	.196 .096 .027	.193 .095 .027	.187 .093 .027	.181 .092 .026	.176 .090 .026	
9.0	.182 .088 .025	.180 .088 .025	.174 .086 .024	.169 .085 .024	.164 .084 .024	
10.0	.171 .082 .023	.168 .081 .023	.163 .080 .023	.159 .079 .022	.154 .078 .022	

<input type="checkbox"/> cc	80%	70%	50%	30%	10%	0
<input type="checkbox"/> w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
<input type="checkbox"/> fc	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	.187 .155 .127	.160 .133 .109	.109 .092 .076	.063 .053 .044	.020 .017 .014	
2.0	.180 .132 .091	.154 .113 .079	.105 .078 .055	.061 .046 .032	.019 .015 .011	
3.0	.172 .115 .069	.147 .099 .060	.101 .069 .042	.058 .040 .025	.019 .013 .008	
4.0	.163 .102 .054	.140 .088 .047	.096 .061 .033	.056 .036 .020	.018 .012 .006	
5.0	.155 .091 .044	.133 .079 .038	.092 .055 .027	.053 .032 .016	.017 .011 .005	
6.0	.148 .083 .037	.127 .072 .032	.088 .050 .023	.051 .030 .014	.016 .010 .004	
7.0	.140 .076 .031	.121 .066 .027	.083 .046 .019	.048 .027 .012	.016 .009 .004	
8.0	.133 .070 .027	.115 .061 .024	.079 .043 .017	.046 .025 .010	.015 .008 .003	
9.0	.127 .065 .024	.109 .057 .021	.076 .040 .015	.044 .024 .009	.014 .008 .003	
10.0	.120 .061 .022	.104 .053 .019	.072 .037 .013	.042 .022 .008	.014 .007 .003	

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Z  
Test Date:2026-5-20

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:5.800m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

NAME: LT10S-50W					TYPE:LED					WEIGHT:				
SPEC.:					DIM.: 1.212X0.1					SERIAL No.:2026052001				
MFR.: Linmore LED Labs,Inc.					SUR.:1.212x0.1					Shielding 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					21.6	23.2	21.9	23.4	23.7	21.6	23.2	21.9	23.4	23.7
3H					23.6	25.2	23.9	25.4	25.7	23.6	25.2	23.9	25.4	25.7
4H					24.7	26.2	25.0	26.5	26.7	24.7	26.2	25.0	26.5	26.7
6H					25.9	27.3	26.2	27.6	27.9	25.9	27.3	26.2	27.6	27.9
8H					26.5	27.9	26.9	28.2	28.5	26.5	27.9	26.9	28.2	28.5
12H					27.2	28.6	27.6	28.9	29.2	27.2	28.6	27.6	28.9	29.2
4H 2H					22.3	23.8	22.6	24.1	24.3	22.3	23.8	22.6	24.1	24.3
3H					24.6	25.9	25.0	26.2	26.5	24.6	25.9	25.0	26.2	26.5
4H					25.9	27.1	26.2	27.4	27.8	25.9	27.1	26.2	27.4	27.8
6H					27.2	28.3	27.6	28.7	29.1	27.2	28.3	27.6	28.7	29.1
8H					28.0	29.0	28.4	29.4	29.8	28.0	29.0	28.4	29.4	29.8
12H					28.8	29.8	29.3	30.2	30.6	28.8	29.8	29.3	30.2	30.6
8H 4H					26.4	27.4	26.8	27.8	28.2	26.4	27.4	26.8	27.8	28.2
6H					28.0	28.9	28.5	29.3	29.8	28.0	28.9	28.5	29.3	29.8
8H					29.0	29.8	29.4	30.2	30.6	29.0	29.8	29.4	30.2	30.6
12H					30.0	30.7	30.5	31.2	31.7	30.0	30.7	30.5	31.2	31.7
12H 4H					26.5	27.5	26.9	27.9	28.3	26.5	27.5	26.9	27.9	28.3
6H					28.3	29.1	28.7	29.5	29.9	28.3	29.1	28.7	29.5	29.9
8H					29.3	30.0	29.8	30.4	30.9	29.3	30.0	29.8	30.4	30.9
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					+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 7093 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.8)

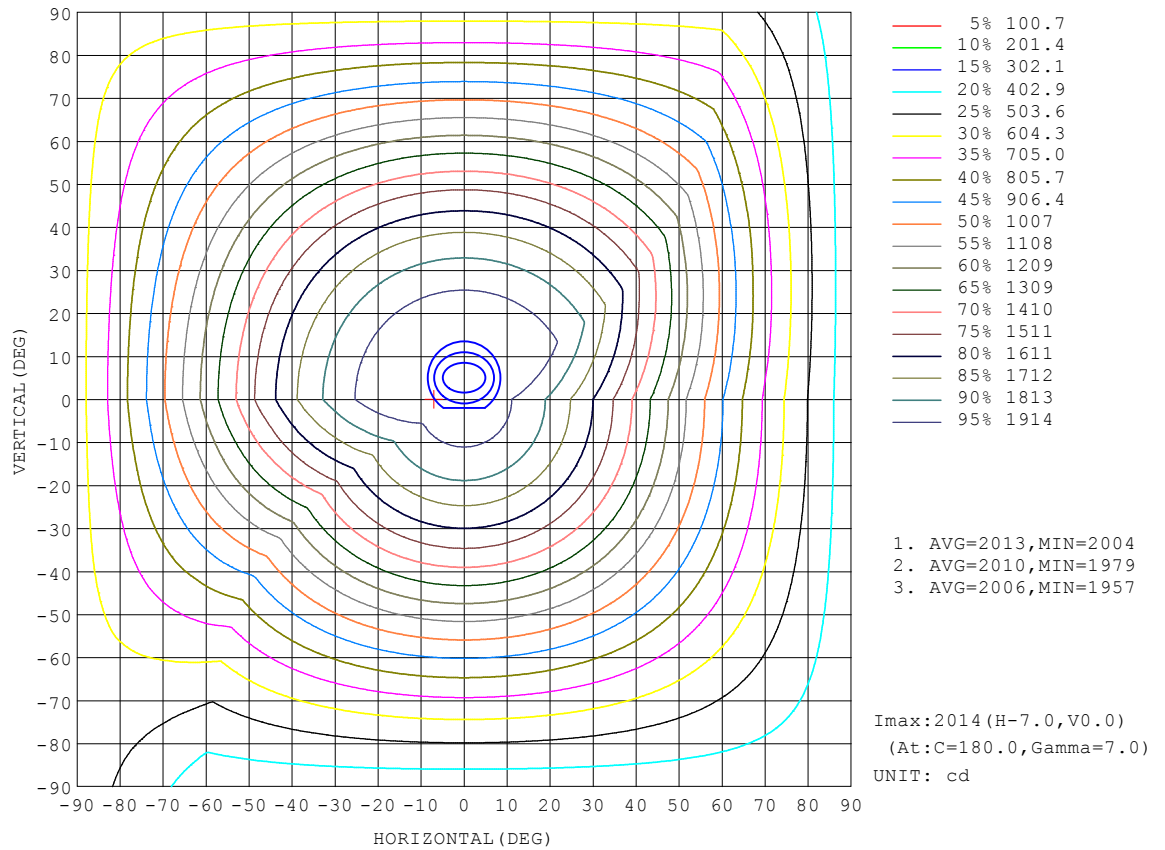
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Z  
Test Date:2026-5-20

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:5.800m [K=1.0000]  
Remarks:

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:5.800m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

NAME: LT10S-50W	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1.212X0.1	SERIAL No.:2026052001
MFR.: Linmore LED Labs,Inc.	SUR.:1.212x0.1	Shielding Angle:



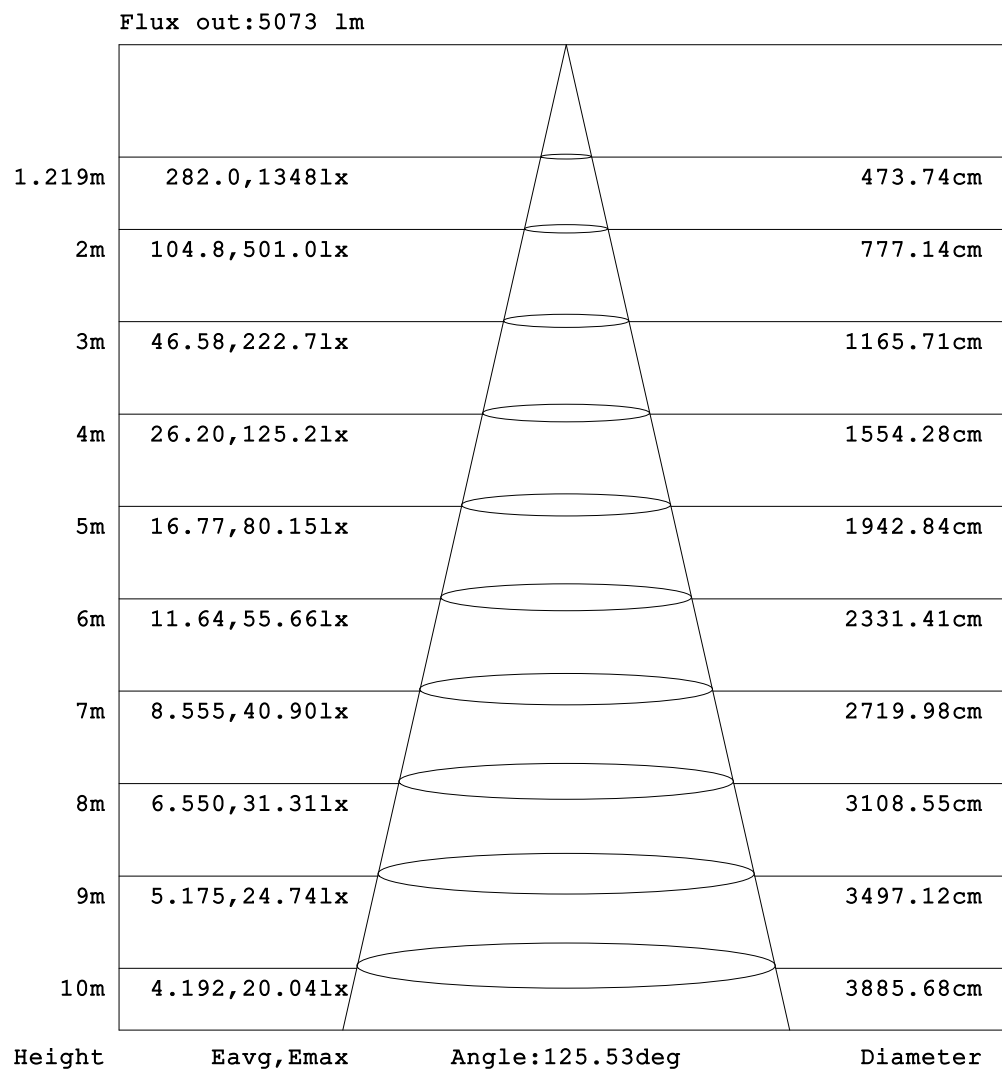
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Z  
Test Date:2026-5-20

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:5.800m [K=1.0000]  
Remarks:



### AAI Figure

NAME: LT10S-50W	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1.212X0.1	SERIAL No.:2026052001
MFR.: Linmore LED Labs,Inc.	SUR.:1.212x0.1	Shielding Angle:



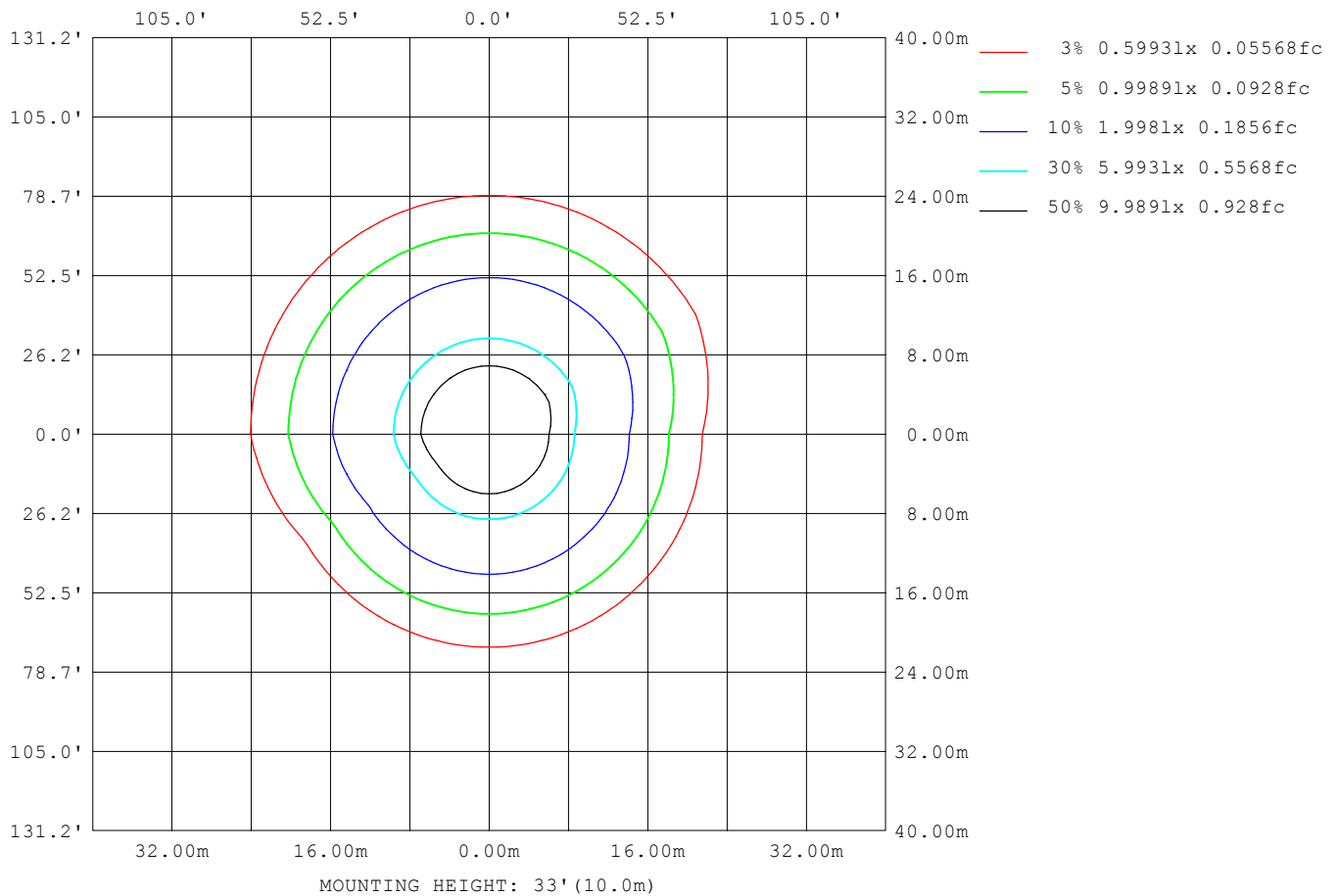
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Z  
 Test Date:2026-5-20

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:5.800m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

NAME: LT10S-50W	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1.212X0.1	SERIAL No.:2026052001
MFR.: Linmore LED Labs,Inc.	SUR.:1.212x0.1	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Z  
 Test Date:2026-5-20

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:5.800m [K=1.0000]  
 Remarks:

### LED Avg.L Report

NAME: LT10S-50W	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1.212X0.1	SERIAL No.:2026052001
MFR.: Linmore LED Labs,Inc.	SUR.:1.212x0.1	Shielding Angle:

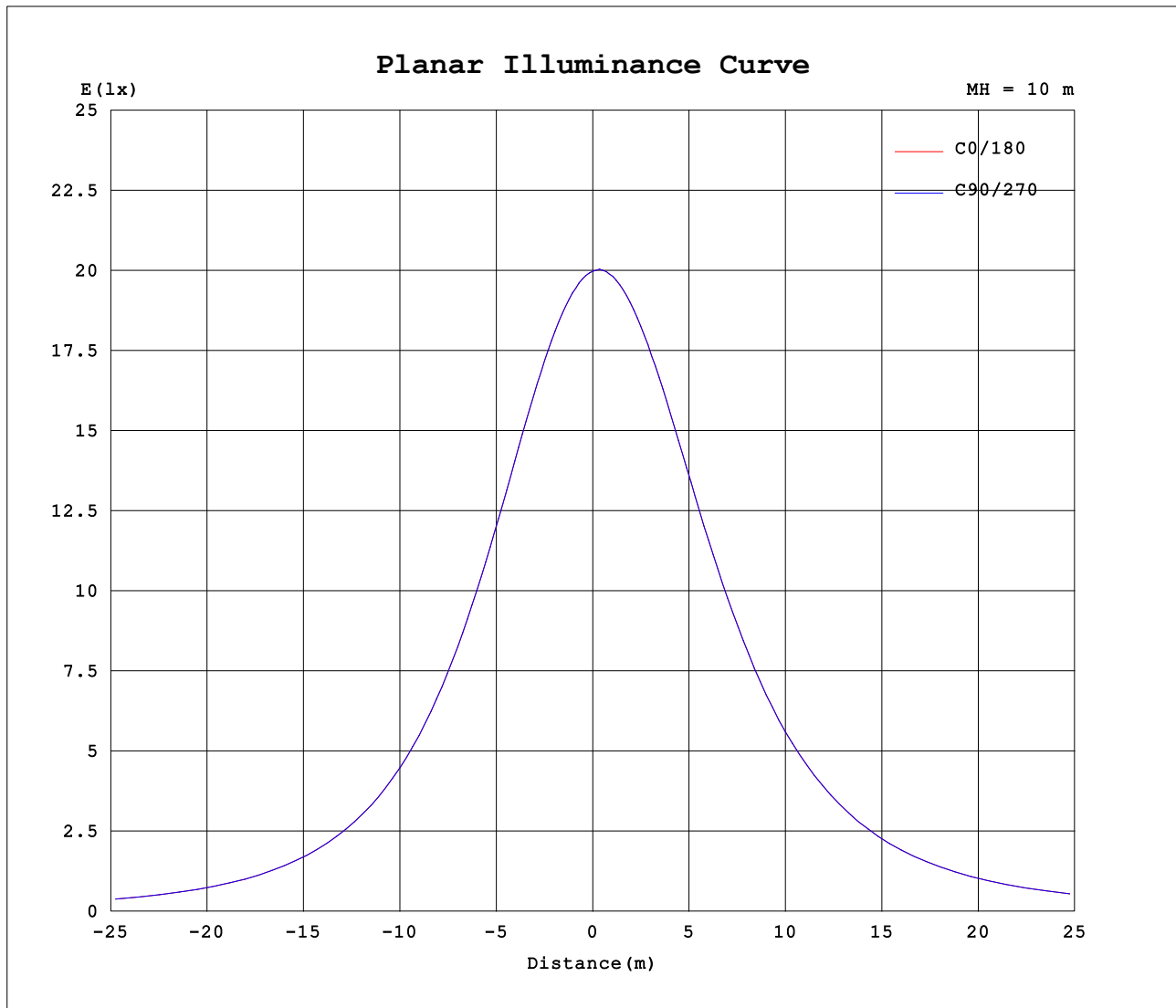
AvgL	cd/m2
L_0~180 (65) av	18725
L_0~180 (75) av	23472
L_0~180 (85) av	51152
L_90~270 (65) av	18725
L_90~270 (75) av	23472
L_90~270 (85) av	51152
L_45 (65) av	18725
L_45 (75) av	23472
L_45 (85) av	51152

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Z  
Test Date:2026-5-20

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:5.800m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Z  
 Test Date: 2026-5-20

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
 Humidity: 65.0%  
 Test Distance: 5.800m [K=1.0000]  
 Remarks:

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:5.800m [K=1.0000]  
 Remarks: