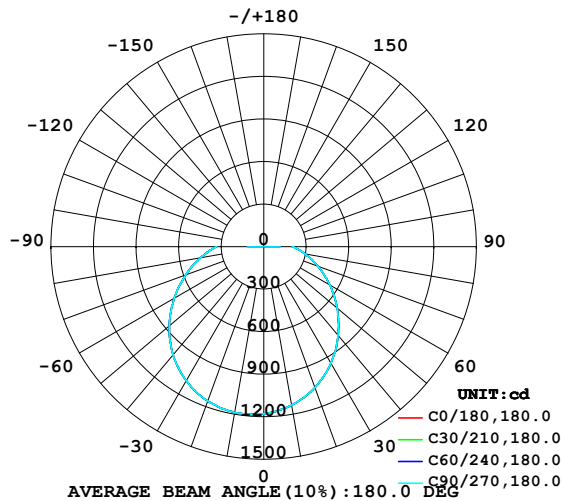


## LUMINAIRE PHOTOMETRIC TEST REPORT

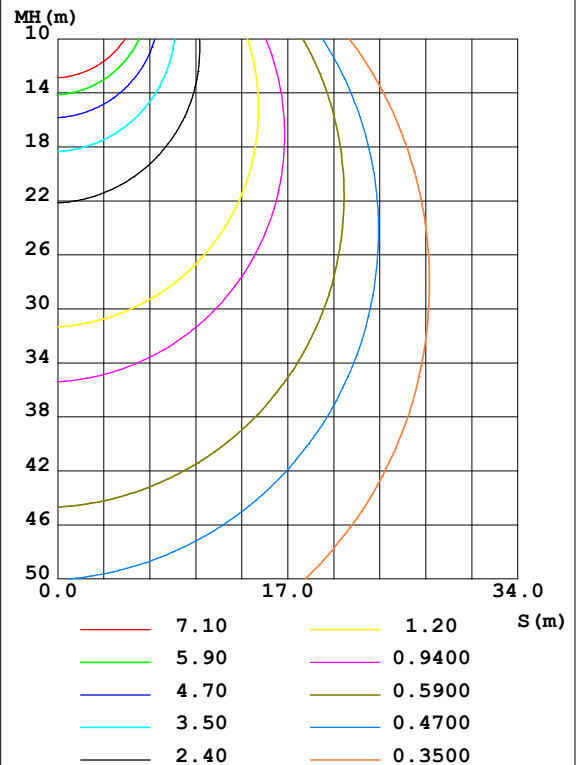
NAME: LT10S-30W	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1.212X0.1	SERIAL No.:2026052003
MFR.: Linmore LED Labs,Inc.	SUR.:1.212x0.1	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 147.04 lm/W			
MODEL		I <sub>max</sub> (cd)	1189	S/MH(C0/180)	1.38
NOMINAL POWER(W)	30	LOR(%)	90.9	S/MH(C90/270)	1.38
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	4175.9	□ UP,DN(C0-180)	0.0,39.8
NOMINAL FLUX(lm)	4596	CIE CLASS	DIRECT	□ UP,DN(C180-360)	0.0,51.0
LAMPS INSIDE	1	□ up(%)	0.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	220	□ down(%)	90.9	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	1135	1135	1135	1135	1187	1187	1187	1187	0- 10	111.7	111.7	2.67,2.43
20	1057	1057	1057	1057	1158	1158	1158	1158	10- 20	321.5	433.1	10.4,9.42
30	947.4	947.4	947.4	947.4	1093	1093	1093	1093	20- 30	492.6	925.7	22.2,20.1
40	816.2	816.2	816.2	816.2	995.3	995.3	995.3	995.3	30- 40	605.0	1531	36.7,33.3
50	676.0	676.0	676.0	676.0	869.7	869.7	869.7	869.7	40- 50	649.3	2180	52.2,47.4
60	537.3	537.3	537.3	537.3	730.3	730.3	730.3	730.3	50- 60	629.7	2810	67.3,61.1
70	406.4	406.4	406.4	406.4	587.2	587.2	587.2	587.2	60- 70	559.7	3369	80.7,73.3
80	294.1	294.1	294.1	294.1	452.9	452.9	452.9	452.9	70- 80	458.8	3828	91.7,83.3
90	201.6	201.6	201.6	201.6	333.2	333.2	333.2	333.2	80- 90	347.7	4176	100,90.9
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): 1854 lm

%lum = 44.4%

%lamp = 40.3%

Conical surface Flux(120deg): 2809.7 lm

%lum = 67.3%

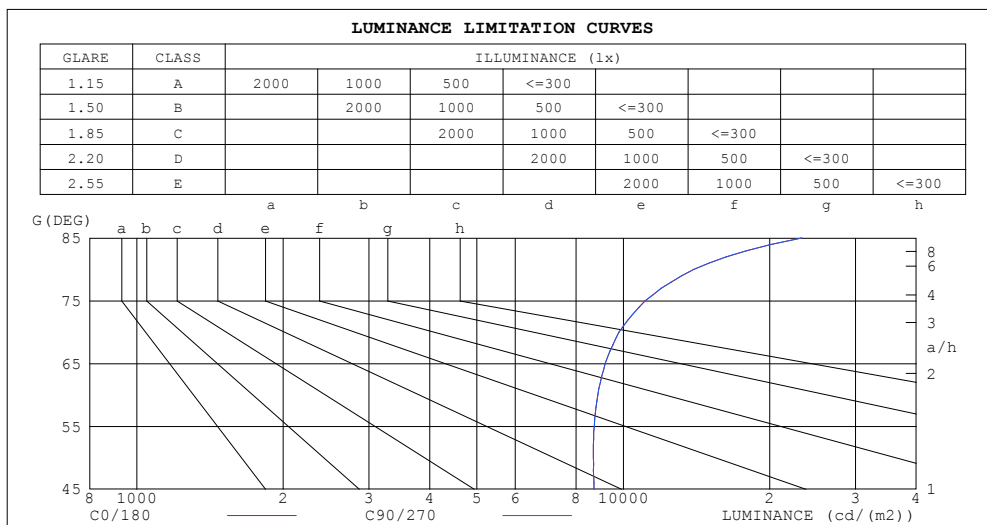
%lamp = 61.1%

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-30W	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1.212X0.1	SERIAL No.:2026052003
MFR.: Linmore LED Labs,Inc.	SUR.:1.212x0.1	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	23288	23288
80	13976	13976
75	11093	11093
70	9805	9805
65	9181	9181
60	8866	8866
55	8722	8722
50	8677	8677
45	8709	8709

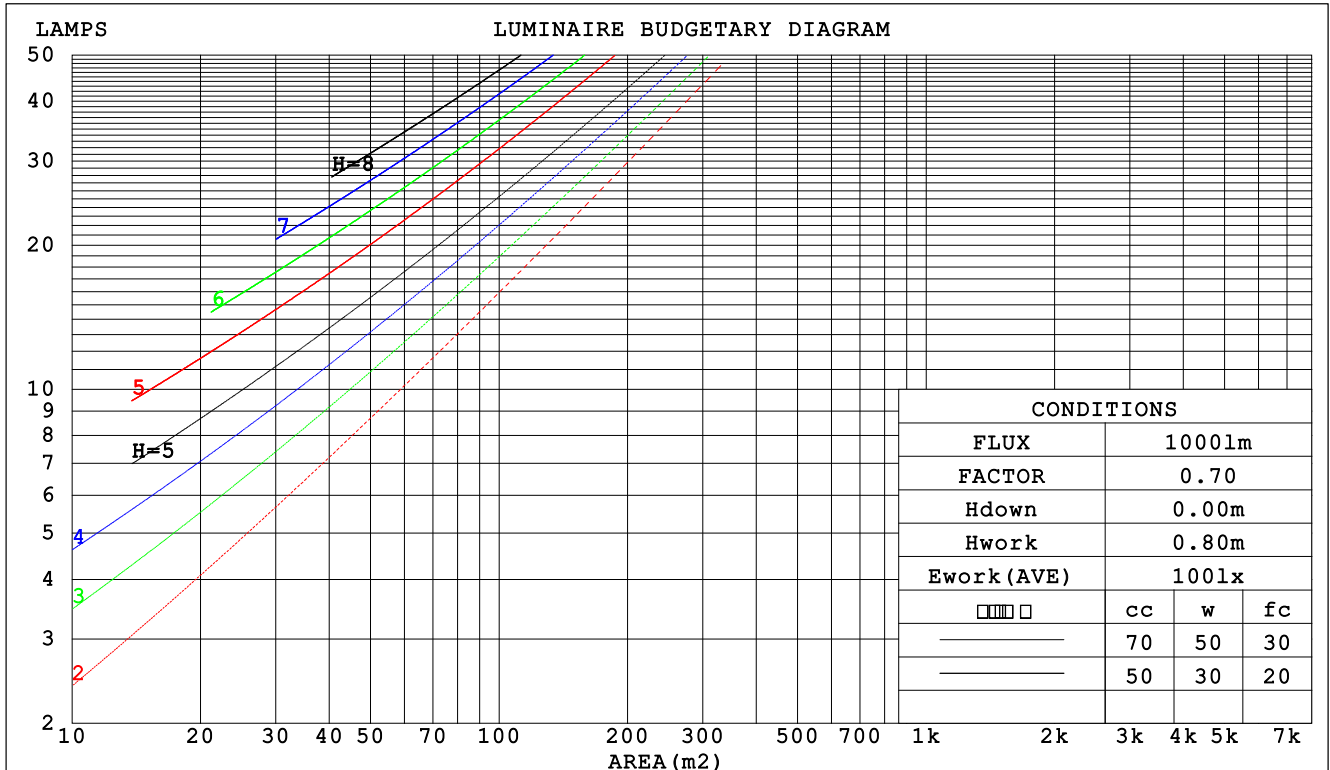
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Z  
Test Date:2026-5-20

☐ 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-30W	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1.212X0.1	SERIAL No.:2026052003
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-30W	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1.212X0.1	SERIAL No.:2026052003
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	.364 .207 .066	.357 .204 .065	.345 .198 .063	.333 .192 .062	.323 .187 .060	
2.0	.314 .172 .053	.309 .170 .052	.298 .165 .051	.287 .161 .050	.278 .157 .050	
3.0	.279 .148 .044	.274 .147 .044	.264 .143 .043	.255 .140 .043	.246 .136 .042	
4.0	.251 .130 .038	.246 .129 .038	.237 .126 .038	.229 .123 .037	.222 .121 .037	
5.0	.228 .116 .034	.224 .115 .033	.216 .112 .033	.209 .110 .033	.202 .108 .032	
6.0	.208 .104 .030	.205 .103 .030	.198 .101 .030	.191 .100 .029	.186 .098 .029	
7.0	.192 .095 .027	.189 .094 .027	.183 .092 .027	.177 .091 .026	.172 .089 .026	
8.0	.178 .087 .024	.175 .086 .024	.170 .085 .024	.165 .083 .024	.160 .082 .024	
9.0	.166 .080 .022	.163 .080 .022	.158 .078 .022	.154 .077 .022	.149 .076 .022	
10.0	.155 .074 .021	.153 .074 .021	.148 .073 .020	.144 .072 .020	.140 .071 .020	

<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	.173 .173 .173	.148 .148 .148	.101 .101 .101	.058 .058 .058	.019 .019 .019	
1.0	.170 .141 .116	.145 .121 .099	.099 .083 .069	.057 .048 .040	.018 .016 .013	
2.0	.163 .120 .083	.140 .103 .072	.096 .071 .050	.055 .041 .029	.018 .013 .010	
3.0	.156 .104 .063	.134 .090 .054	.092 .062 .038	.053 .036 .022	.017 .012 .007	
4.0	.149 .092 .049	.127 .080 .043	.088 .056 .030	.051 .033 .018	.016 .011 .006	
5.0	.141 .083 .040	.121 .072 .035	.084 .050 .025	.048 .029 .015	.016 .010 .005	
6.0	.134 .076 .034	.115 .065 .029	.079 .046 .021	.046 .027 .012	.015 .009 .004	
7.0	.127 .069 .029	.110 .060 .025	.076 .042 .018	.044 .025 .011	.014 .008 .003	
8.0	.121 .064 .025	.104 .056 .022	.072 .039 .015	.042 .023 .009	.014 .008 .003	
9.0	.115 .059 .022	.099 .052 .019	.069 .036 .014	.040 .021 .008	.013 .007 .003	
10.0	.109 .056 .020	.094 .048 .017	.065 .034 .012	.038 .020 .007	.012 .007 .002	

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-30W					TYPE:LED					WEIGHT:				
SPEC.:					DIM.: 1.212X0.1					SERIAL No.:2026052003				
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					19.7	21.4	20.0	21.6	21.8	19.7	21.4	20.0	21.6	21.8
3H					21.8	23.3	22.1	23.6	23.8	21.8	23.3	22.1	23.6	23.8
4H					22.9	24.4	23.2	24.6	24.9	22.9	24.4	23.2	24.6	24.9
6H					24.0	25.4	24.4	25.7	26.0	24.0	25.4	24.4	25.7	26.0
8H					24.7	26.0	25.0	26.3	26.6	24.7	26.0	25.0	26.3	26.6
12H					25.4	26.7	25.8	27.0	27.3	25.4	26.7	25.8	27.0	27.3
4H 2H					20.5	22.0	20.8	22.2	22.5	20.5	22.0	20.8	22.2	22.5
3H					22.8	24.1	23.1	24.4	24.7	22.8	24.1	23.1	24.4	24.7
4H					24.0	25.2	24.4	25.6	25.9	24.0	25.2	24.4	25.6	25.9
6H					25.4	26.5	25.8	26.8	27.2	25.4	26.5	25.8	26.8	27.2
8H					26.1	27.2	26.5	27.5	27.9	26.1	27.2	26.5	27.5	27.9
12H					27.0	27.9	27.4	28.3	28.7	27.0	27.9	27.4	28.3	28.7
8H 4H					24.5	25.6	25.0	25.9	26.3	24.5	25.6	25.0	25.9	26.3
6H					26.2	27.1	26.6	27.5	27.9	26.2	27.1	26.6	27.5	27.9
8H					27.1	27.9	27.6	28.3	28.8	27.1	27.9	27.6	28.3	28.8
12H					28.2	28.9	28.7	29.3	29.8	28.2	28.9	28.7	29.3	29.8
12H 4H					24.7	25.6	25.1	26.0	26.4	24.7	25.6	25.1	26.0	26.4
6H					26.4	27.2	26.9	27.6	28.1	26.4	27.2	26.9	27.6	28.1
8H					27.4	28.1	27.9	28.6	29.1	27.4	28.1	27.9	28.6	29.1
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					+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 4596 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.3)

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:

### UTILIZATION FACTORS TABLE

NAME: LT10S-30W	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1.212x0.1	SERIAL No.:2026052003
MFR.: Linmore LED Labs,Inc.	SUR.:1.212x0.1	Shielding Angle:

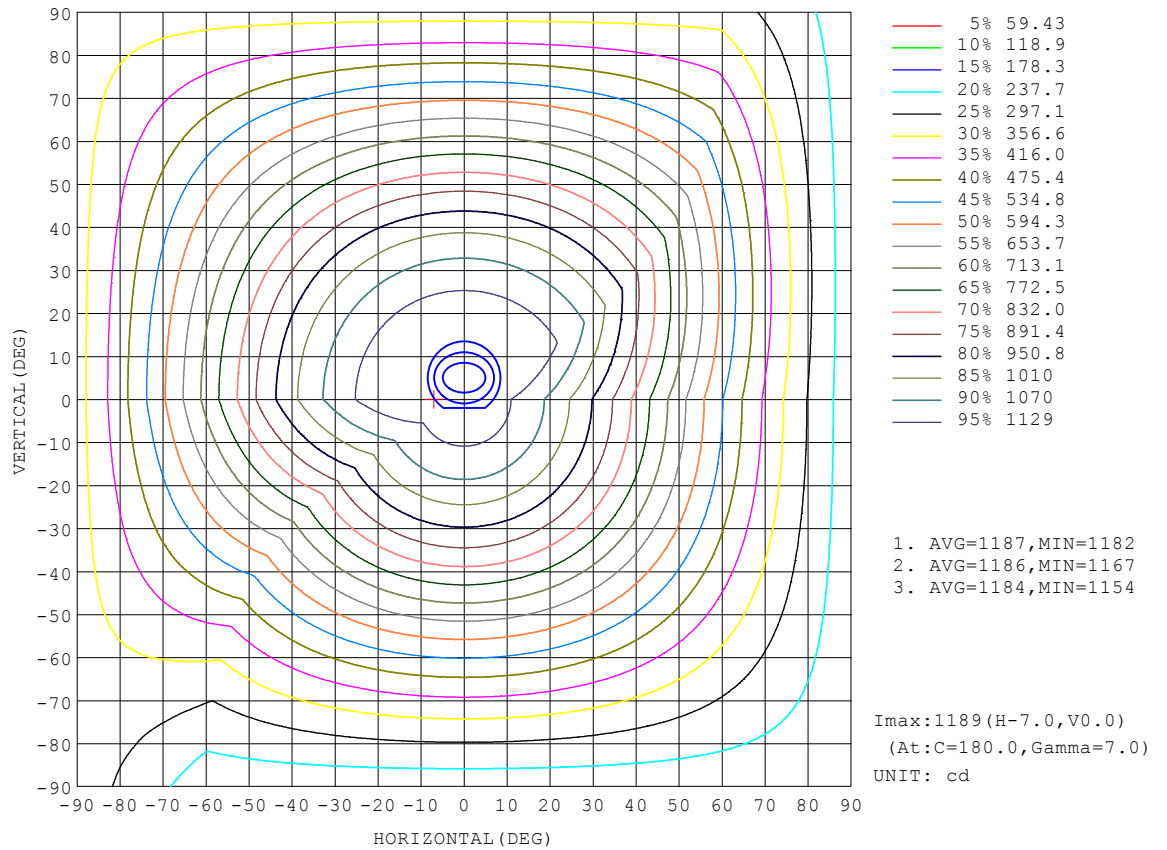
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	48	37	31	48	37	30	47	37	30	24
0.80	57	46	38	56	45	38	54	44	38	31
1.00	64	53	46	63	52	45	61	54	45	38
1.25	71	60	52	69	59	52	67	58	51	44
1.50	75	65	57	74	64	57	71	62	56	48
2.00	82	72	65	80	71	65	76	69	63	55
2.50	86	77	70	84	76	69	80	73	68	59
3.00	89	81	75	87	80	74	83	77	72	63
4.00	93	86	81	91	85	80	86	82	77	68
5.00	95	90	85	93	88	84	89	85	81	72
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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:

ISOCANDELA DIAGRAM

NAME: LT10S-30W	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1.212X0.1	SERIAL No.:2026052003
MFR.: Linmore LED Labs,Inc.	SUR.:1.212x0.1	Shielding Angle:



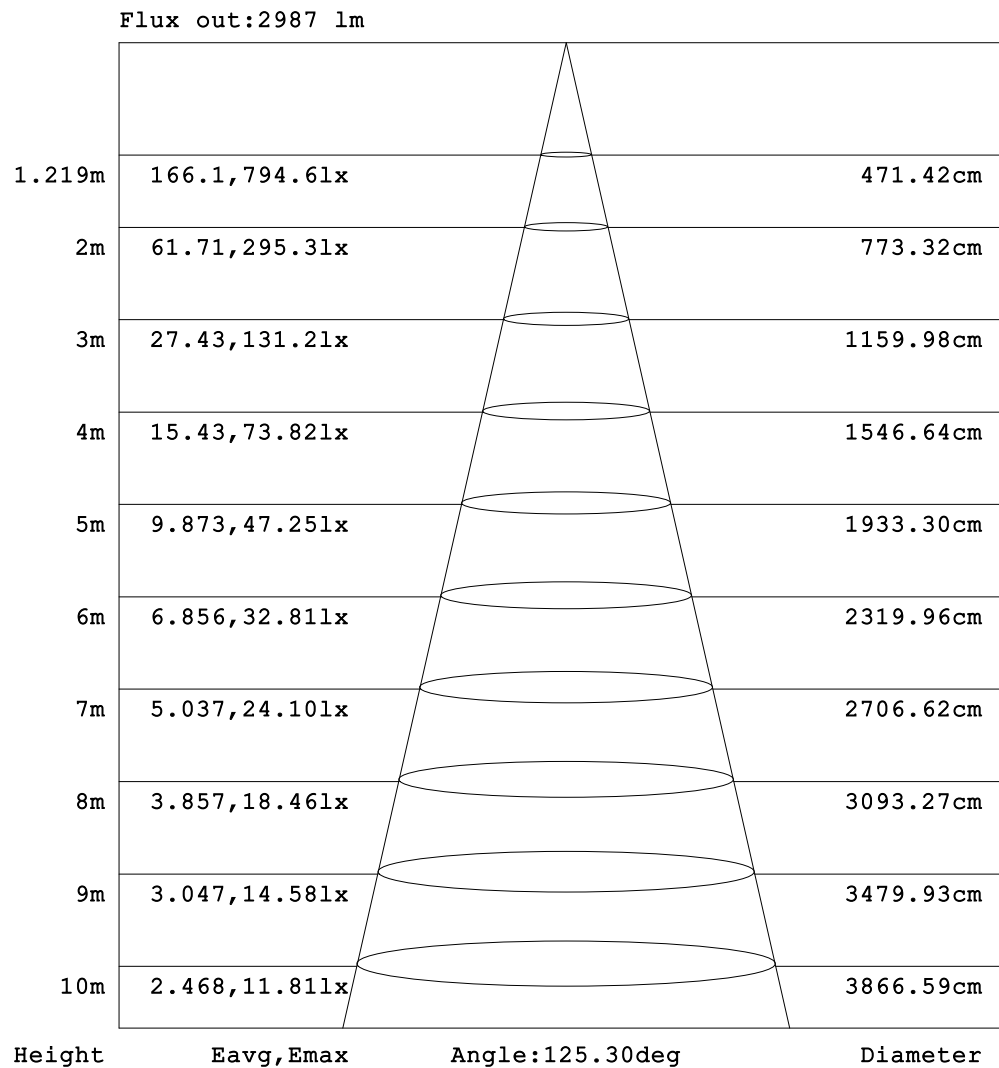
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Z  
Test Date:2026-5-20

☐ 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-30W	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1.212X0.1	SERIAL No.:2026052003
MFR.: Linmore LED Labs,Inc.	SUR.:1.212x0.1	Shielding Angle:



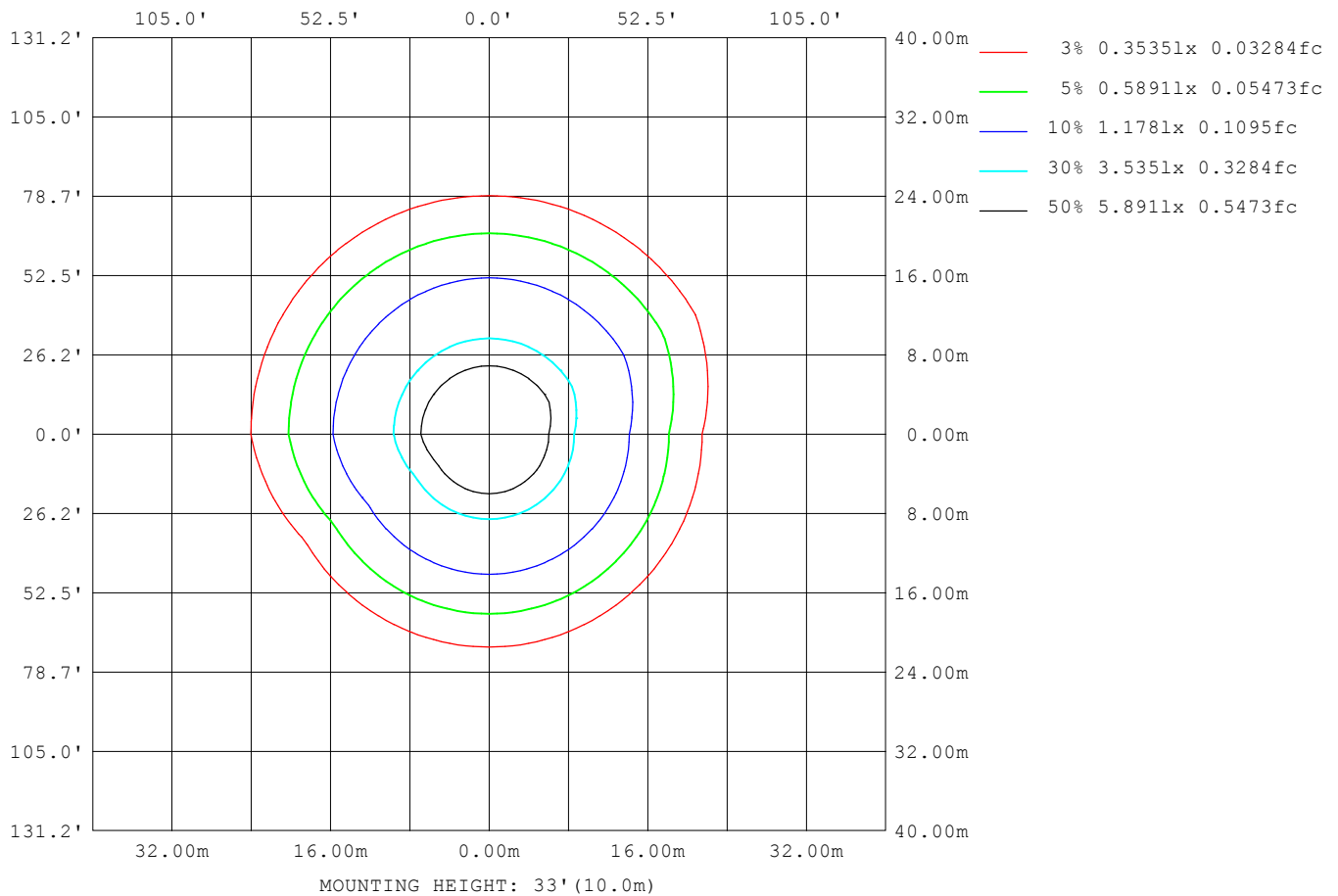
**Note:**The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-30W	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1.212x0.1	SERIAL No.:2026052003
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-30W	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1.212x0.1	SERIAL No.:2026052003
MFR.: Linmore LED Labs,Inc.	SUR.:1.212x0.1	Shielding Angle:

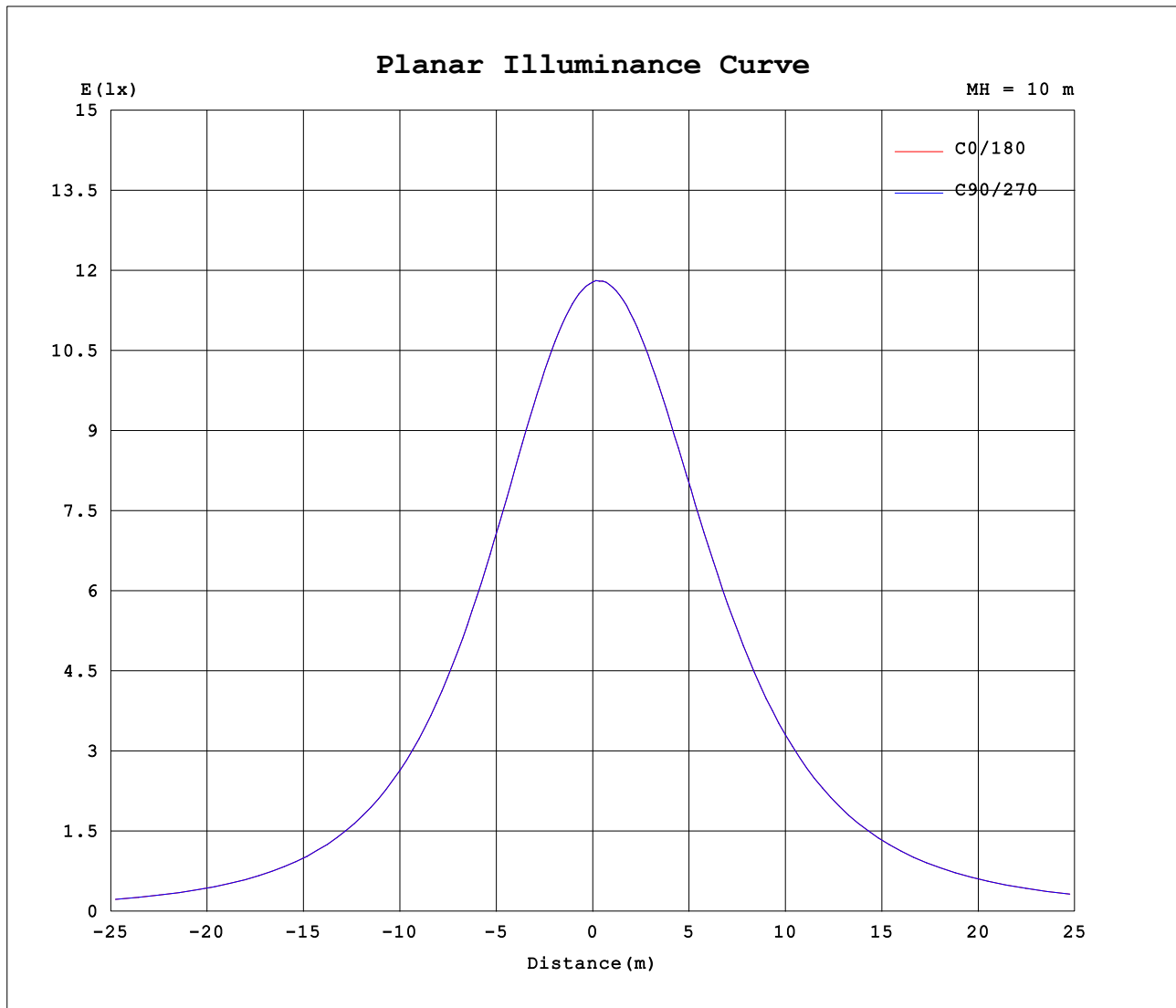
AvgL	cd/m2
L_0~180 (65) av	11016
L_0~180 (75) av	13817
L_0~180 (85) av	30113
L_90~270 (65) av	11016
L_90~270 (75) av	13817
L_90~270 (85) av	30113
L_45 (65) av	11016
L_45 (75) av	13817
L_45 (85) av	30113

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: