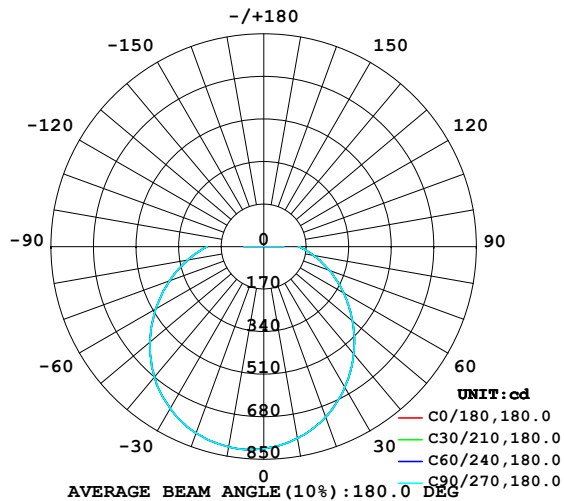


LUMINAIRE PHOTOMETRIC TEST REPORT

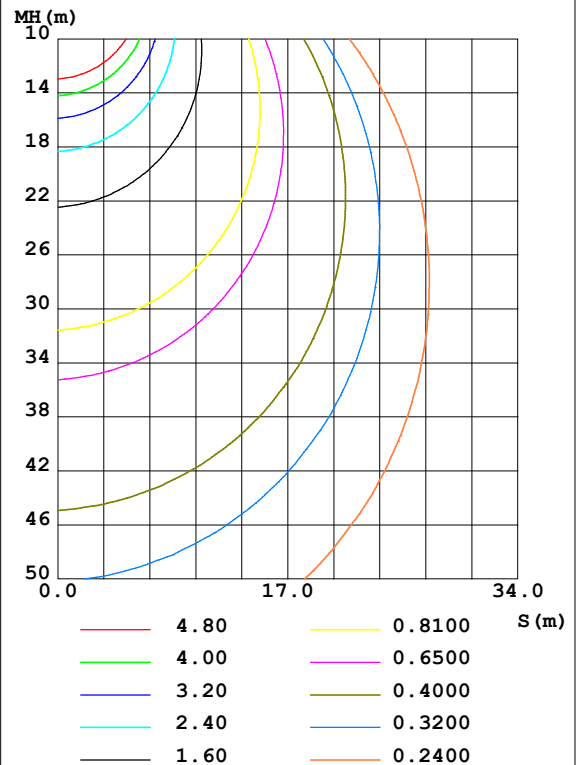
NAME: LT10S-20W	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1.212x0.1	SERIAL No.:2026052005
MFR.: Linmore LED Labs,Inc.	SUR.:1.212x0.1	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 148.79 lm/W			
MODEL		Imax(cd)	814.0	S/MH(C0/180)	1.37
NOMINAL POWER(W)	20	LOR(%)	90.6	S/MH(C90/270)	1.37
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	2856.7	□ UP,DN(C0-180)	0.0,39.8
NOMINAL FLUX(lm)	3154.57	CIE CLASS	DIRECT	□ UP,DN(C180-360)	0.0,50.8
LAMPS INSIDE	1	□ up(%)	0.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	220	□ down(%)	90.6	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	778.5	778.5	778.5	778.5	812.2	812.2	812.2	812.2	0- 10	76.49	76.49	2.68,2.42
20	724.0	724.0	724.0	724.0	792.9	792.9	792.9	792.9	10- 20	220.2	296.7	10.4,9.4
30	649.3	649.3	649.3	649.3	747.5	747.5	747.5	747.5	20- 30	337.1	633.8	22.2,20.1
40	559.2	559.2	559.2	559.2	680.8	680.8	680.8	680.8	30- 40	413.8	1048	36.7,33.2
50	463.4	463.4	463.4	463.4	593.9	593.9	593.9	593.9	40- 50	444.1	1492	52.2,47.3
60	367.8	367.8	367.8	367.8	499.0	499.0	499.0	499.0	50- 60	430.5	1922	67.3,60.9
70	278.9	278.9	278.9	278.9	400.7	400.7	400.7	400.7	60- 70	382.6	2305	80.7,73.1
80	202.1	202.1	202.1	202.1	308.3	308.3	308.3	308.3	70- 80	313.9	2619	91.7,83
90	138.7	138.7	138.7	138.7	227.3	227.3	227.3	227.3	80- 90	237.9	2857	100,90.6
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): 1268.8 lm

%lum = 44.4%

%lamp = 40.2%

Conical surface Flux(120deg): 1922.2 lm

%lum = 67.3%

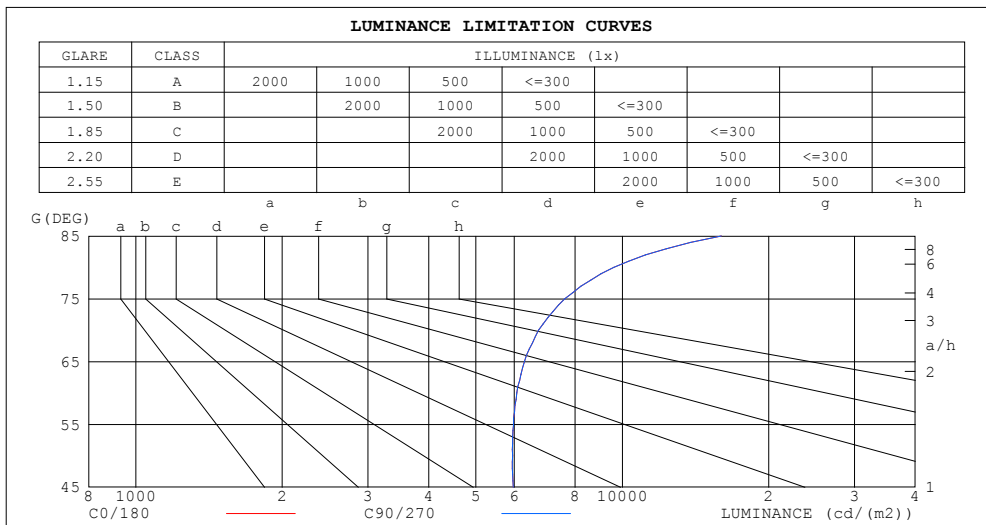
%lamp = 60.9%

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-20W	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1.212x0.1	SERIAL No.:2026052005
MFR.: Linmore LED Labs, Inc.	SUR.:1.212x0.1	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	15989	15989
80	9603	9603
75	7624	7624
70	6729	6729
65	6293	6293
60	6069	6069
55	5974	5974
50	5948	5948
45	5972	5972

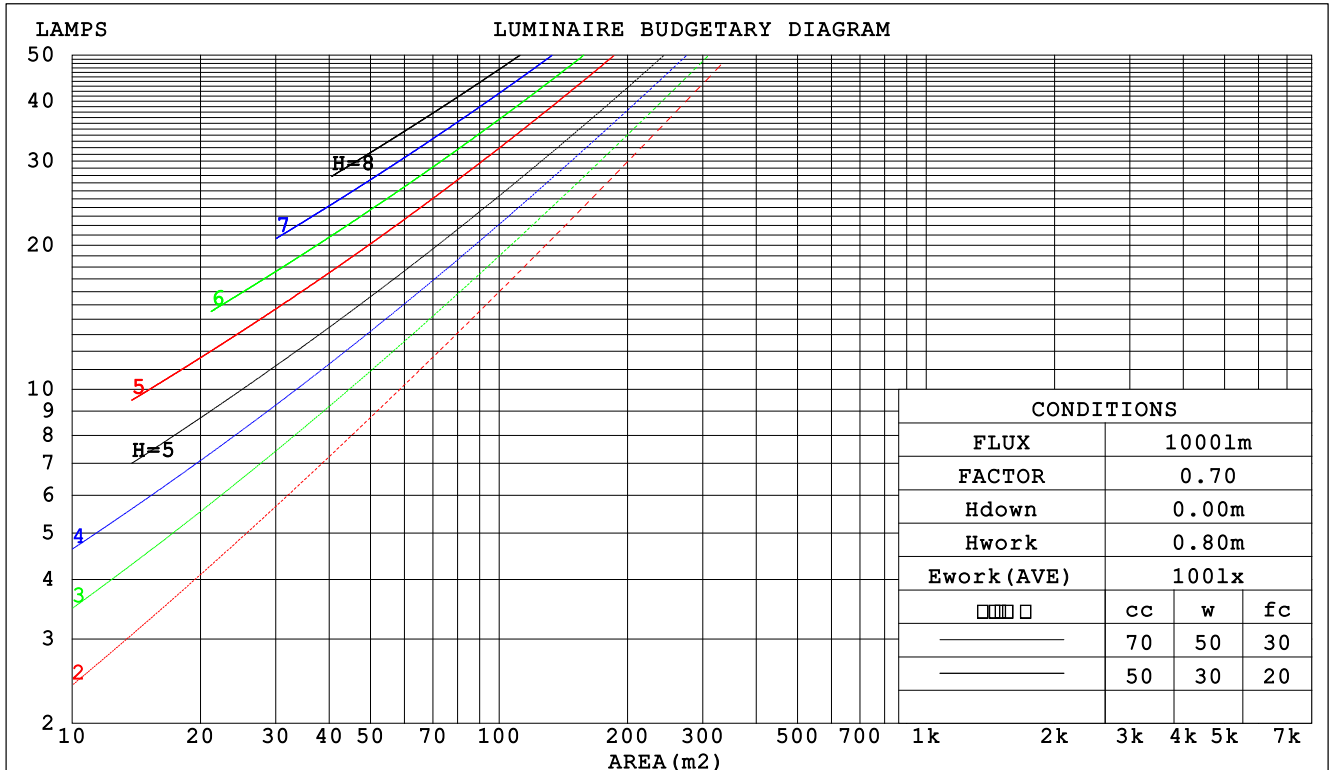
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Z
Test Date:2026-5-20

☐ 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-20W	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1.212x0.1	SERIAL No.:2026052005
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-20W	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1.212x0.1	SERIAL No.:2026052005
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						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.362	.206	.065	.356	.203	.064	.343	.197	.063	.332	.191	.061	.321	.186	.060		
2.0	.313	.172	.053	.308	.169	.052	.297	.165	.051	.286	.161	.050	.277	.157	.049		
3.0	.278	.148	.044	.273	.146	.044	.263	.143	.043	.254	.139	.043	.246	.136	.042		
4.0	.250	.130	.038	.245	.128	.038	.237	.125	.037	.229	.123	.037	.221	.120	.037		
5.0	.227	.116	.033	.223	.114	.033	.215	.112	.033	.208	.110	.033	.201	.108	.032		
6.0	.208	.104	.030	.204	.103	.030	.197	.101	.029	.191	.099	.029	.185	.097	.029		
7.0	.191	.095	.027	.188	.094	.027	.182	.092	.027	.176	.090	.026	.171	.089	.026		
8.0	.177	.087	.024	.174	.086	.024	.169	.084	.024	.164	.083	.024	.159	.082	.024		
9.0	.165	.080	.022	.163	.079	.022	.158	.078	.022	.153	.077	.022	.149	.076	.022		
10.0	.155	.074	.021	.152	.074	.021	.148	.072	.020	.144	.071	.020	.140	.070	.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	.172	.172	.172	.147	.147	.147	.101	.101	.101	.058	.058	.058	.018	.018	.018	
1.0	.169	.141	.115	.145	.121	.099	.099	.083	.069	.057	.048	.040	.018	.015	.013	
2.0	.163	.119	.083	.139	.103	.072	.095	.071	.050	.055	.041	.029	.018	.013	.010	
3.0	.155	.104	.063	.133	.089	.054	.091	.062	.038	.053	.036	.022	.017	.012	.007	
4.0	.148	.092	.049	.127	.079	.043	.087	.055	.030	.051	.032	.018	.016	.011	.006	
5.0	.141	.083	.040	.121	.072	.035	.083	.050	.025	.048	.029	.015	.016	.010	.005	
6.0	.134	.075	.033	.115	.065	.029	.079	.046	.021	.046	.027	.012	.015	.009	.004	
7.0	.127	.069	.029	.109	.060	.025	.075	.042	.018	.044	.025	.010	.014	.008	.003	
8.0	.121	.064	.025	.104	.055	.022	.072	.039	.015	.042	.023	.009	.014	.008	.003	
9.0	.115	.059	.022	.099	.051	.019	.068	.036	.014	.040	.021	.008	.013	.007	.003	
10.0	.109	.055	.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-20W					TYPE:LED					WEIGHT:				
SPEC.:					DIM.: 1.212x0.1					SERIAL No.:2026052005				
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					18.4	20.1	18.7	20.3	20.5	18.4	20.1	18.7	20.3	20.5
3H					20.5	22.0	20.8	22.3	22.5	20.5	22.0	20.8	22.3	22.5
4H					21.6	23.1	21.9	23.3	23.6	21.6	23.1	21.9	23.3	23.6
6H					22.7	24.1	23.1	24.4	24.7	22.7	24.1	23.1	24.4	24.7
8H					23.4	24.7	23.7	25.0	25.3	23.4	24.7	23.7	25.0	25.3
12H					24.1	25.4	24.5	25.7	26.0	24.1	25.4	24.5	25.7	26.0
4H 2H					19.2	20.6	19.5	20.9	21.2	19.2	20.6	19.5	20.9	21.2
3H					21.5	22.8	21.8	23.1	23.4	21.5	22.8	21.8	23.1	23.4
4H					22.7	23.9	23.1	24.3	24.6	22.7	23.9	23.1	24.3	24.6
6H					24.1	25.2	24.5	25.5	25.9	24.1	25.2	24.5	25.5	25.9
8H					24.8	25.9	25.2	26.2	26.6	24.8	25.9	25.2	26.2	26.6
12H					25.7	26.6	26.1	27.0	27.4	25.7	26.6	26.1	27.0	27.4
8H 4H					23.2	24.3	23.7	24.7	25.0	23.2	24.3	23.7	24.7	25.0
6H					24.9	25.8	25.3	26.2	26.6	24.9	25.8	25.3	26.2	26.6
8H					25.8	26.6	26.3	27.0	27.5	25.8	26.6	26.3	27.0	27.5
12H					26.9	27.6	27.4	28.1	28.5	26.9	27.6	27.4	28.1	28.5
12H 4H					23.4	24.3	23.8	24.7	25.1	23.4	24.3	23.8	24.7	25.1
6H					25.1	25.9	25.6	26.3	26.8	25.1	25.9	25.6	26.3	26.8
8H					26.2	26.9	26.6	27.3	27.8	26.2	26.9	26.6	27.3	27.8
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 3155 lm Total Lamp Luminous Flux. (8log(F/F0) = 4.0)

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-20W	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1.212x0.1	SERIAL No.:2026052005
MFR.: Linmore LED Labs,Inc.	SUR.:1.212x0.1	Shielding Angle:

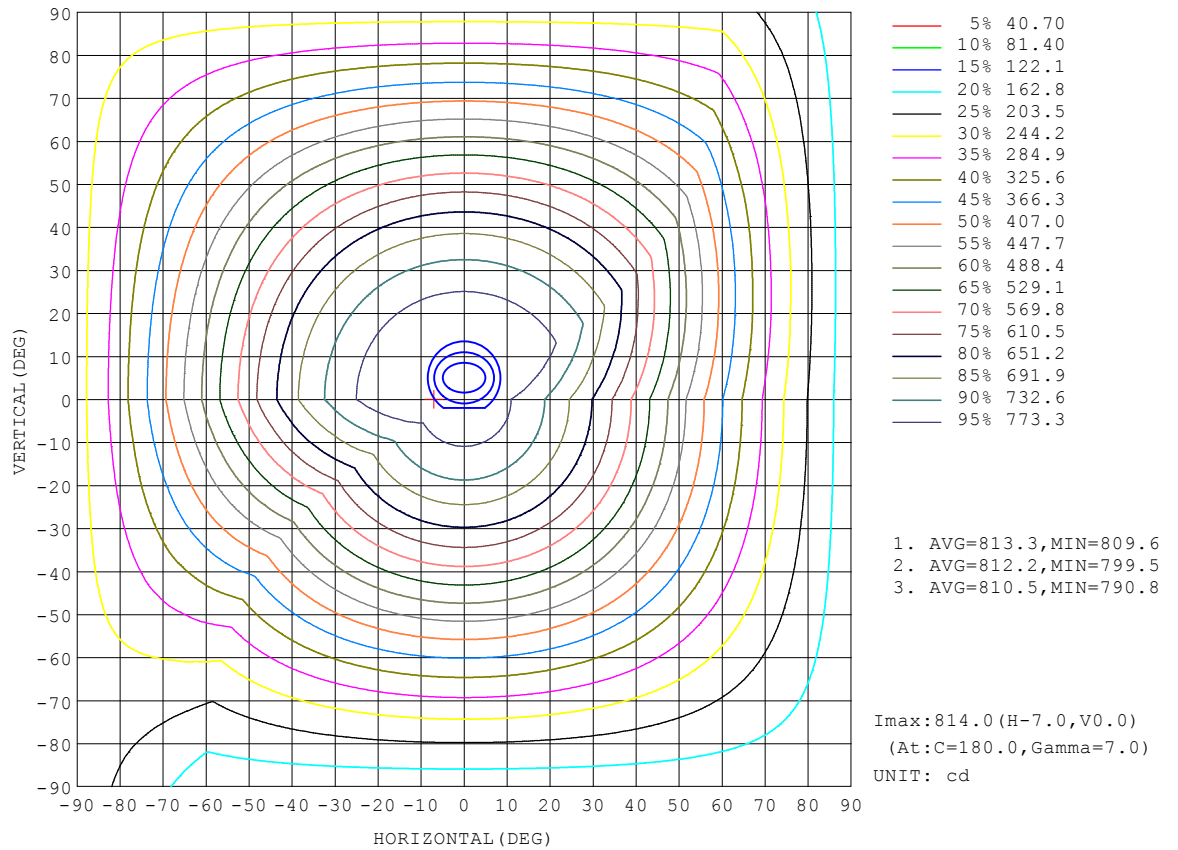
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	48	37	30	48	37	30	47	36	30	24
0.80	57	45	38	56	45	38	54	44	38	31
1.00	64	53	45	63	52	45	61	54	45	38
1.25	70	60	52	69	59	52	66	58	51	44
1.50	75	65	57	73	64	57	70	62	56	48
2.00	81	72	65	80	71	64	76	69	63	55
2.50	85	77	70	83	75	69	79	73	68	59
3.00	89	81	75	86	79	74	82	77	72	63
4.00	93	86	81	90	84	79	86	81	77	68
5.00	95	90	85	93	88	83	88	84	81	71
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-20W	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1.212x0.1	SERIAL No.:2026052005
MFR.: Linmore LED Labs,Inc.	SUR.:1.212x0.1	Shielding Angle:

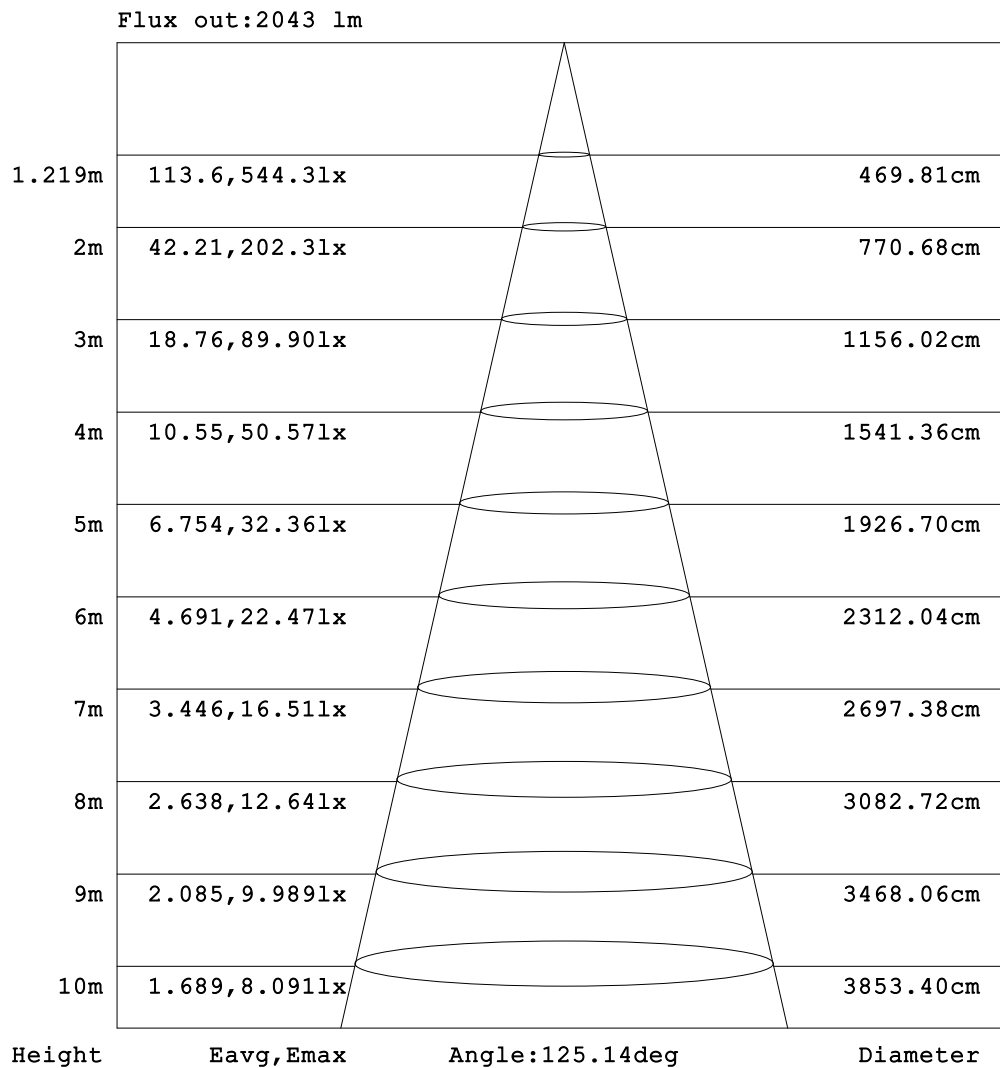


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Z
Test Date:2026-5-20

□ 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-20W	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1.212x0.1	SERIAL No.:2026052005
MFR.: Linmore LED Labs,Inc.	SUR.:1.212x0.1	Shielding Angle:



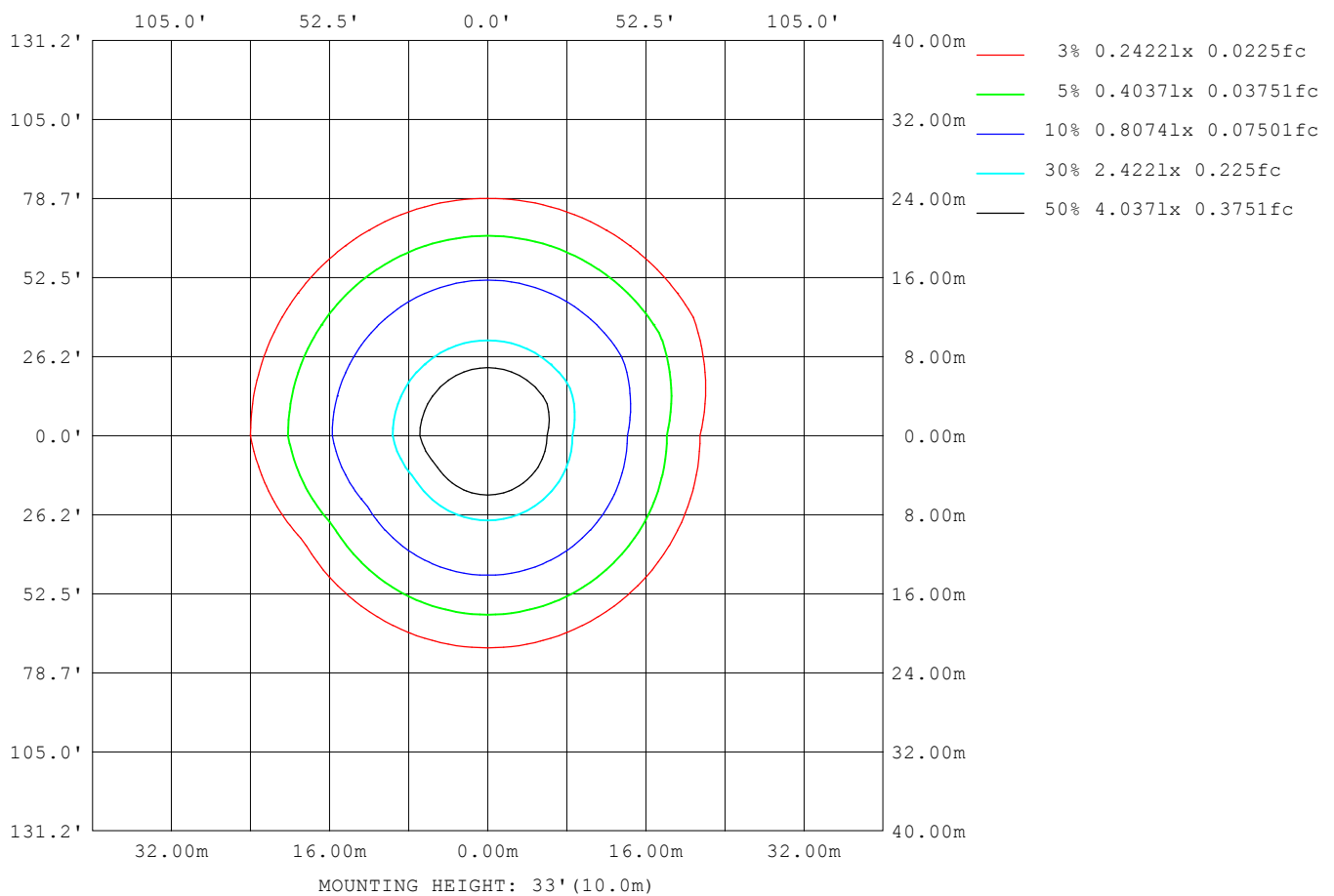
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-20W	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1.212x0.1	SERIAL No.:2026052005
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-20W	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1.212x0.1	SERIAL No.:2026052005
MFR.: Linmore LED Labs,Inc.	SUR.:1.212x0.1	Shielding Angle:

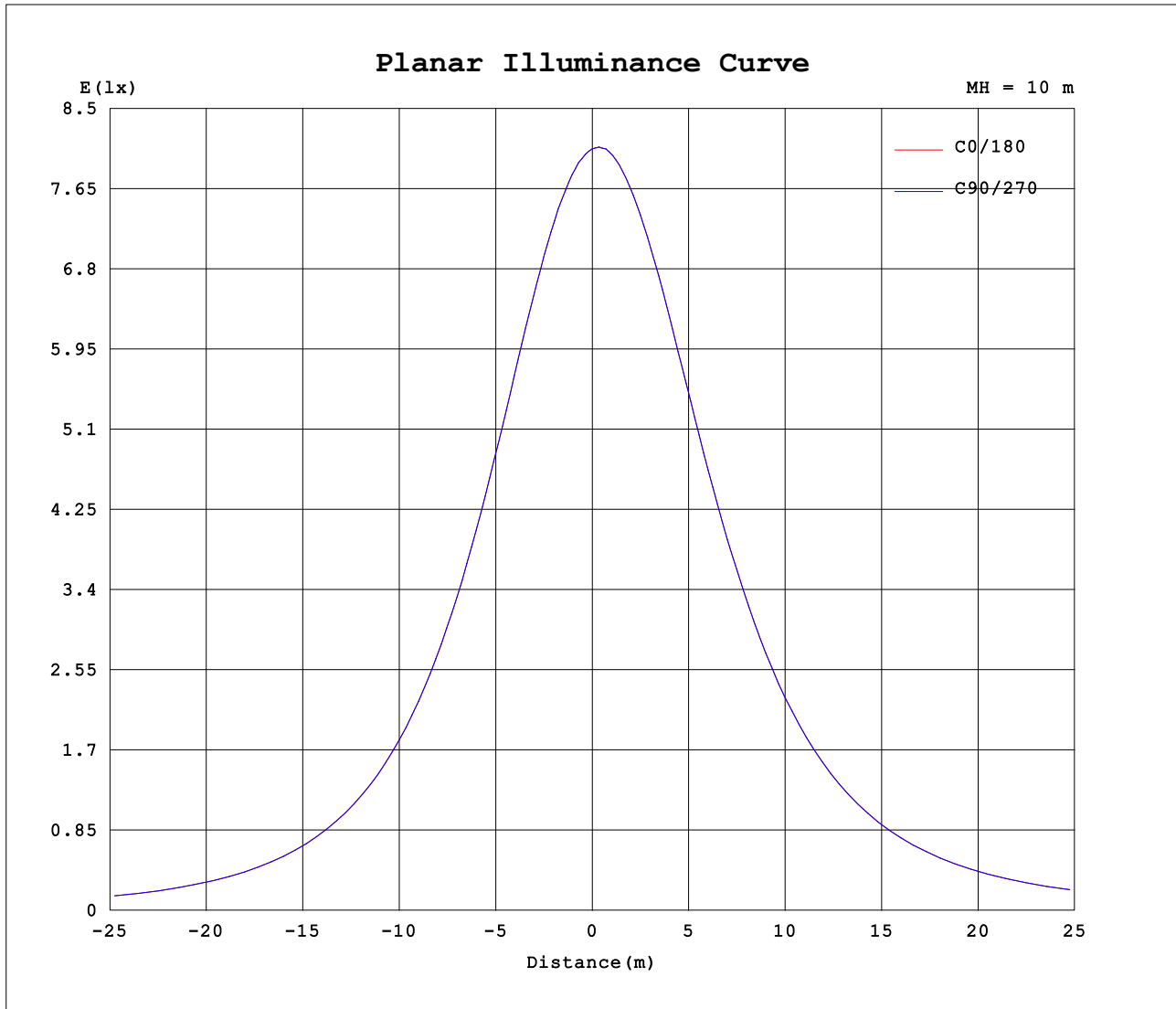
AvgL	cd/m2
L_0~180 (65) av	7530
L_0~180 (75) av	9450
L_0~180 (85) av	20616
L_90~270 (65) av	7530
L_90~270 (75) av	9450
L_90~270 (85) av	20616
L_45 (65) av	7530
L_45 (75) av	9450
L_45 (85) av	20616

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: