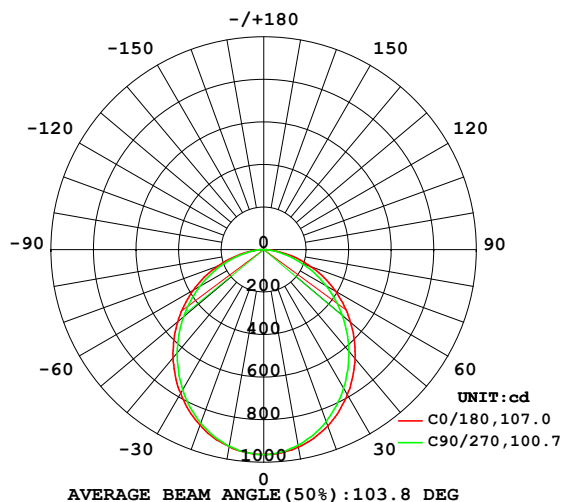


LUMINAIRE PHOTOMETRIC TEST REPORT

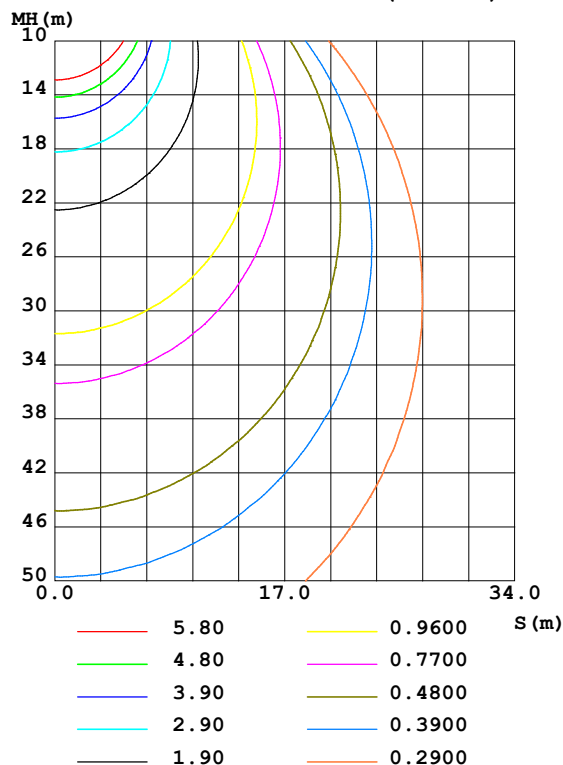
Test:U:240.0V I:0.1179A P:26.71W PF:0.9441 Lamp Flux:2480.06x1 lm		
NAME: SLIM C_1160_x_WHT_WHT_OPAL_HE_500mA_4000K_CRI90PR:x	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 92.85 lm/W			
MODEL: LLE 20000mm	1300lm 940 HV ADV6	Imax(cd)	963.9	S/MH(C0/180)	1.21
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.18
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	2480.1	η UP,DN(C0-180)	0.0,49.6
NOMINAL FLUX(lm)	2480.06	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)	240	η down(%)	100.0	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:21 July 2026

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.917m [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
10	942.3	936.7	933.4	934.7	940.4	939.8	937.8	941.7	0- 10	90.71	90.71	3.66,3.66
20	882.1	867.8	860.0	864.4	878.0	872.9	867.9	876.3	10- 20	256.3	347.0	14,14
30	787.7	765.9	751.5	761.9	780.8	771.3	761.7	775.3	20- 30	379.3	726.3	29.3,29.3
40	668.3	641.7	622.5	637.8	662.9	649.3	634.0	651.7	30- 40	443.9	1170	47.2,47.2
50	533.9	504.0	481.7	500.9	527.6	511.2	492.2	515.0	40- 50	445.9	1616	65.2,65.2
60	389.0	358.7	337.7	356.5	383.6	365.7	347.7	368.9	50- 60	389.9	2006	80.9,80.9
70	238.0	210.9	193.6	209.1	232.5	218.3	203.9	220.4	60- 70	286.3	2292	92.4,92.4
80	91.10	75.07	66.64	74.55	86.55	81.11	74.23	82.29	70- 80	153.1	2445	98.6,98.6
90	1.531	0.6376	0.5647	0.6429	0.6290	0.6044	0.6311	0.6503	80- 90	34.80	2480	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): 1396.6 lm

%lum = 56.3%

%lamp = 56.3%

Conical surface Flux(120deg): 2005.9 lm

%lum = 80.9%

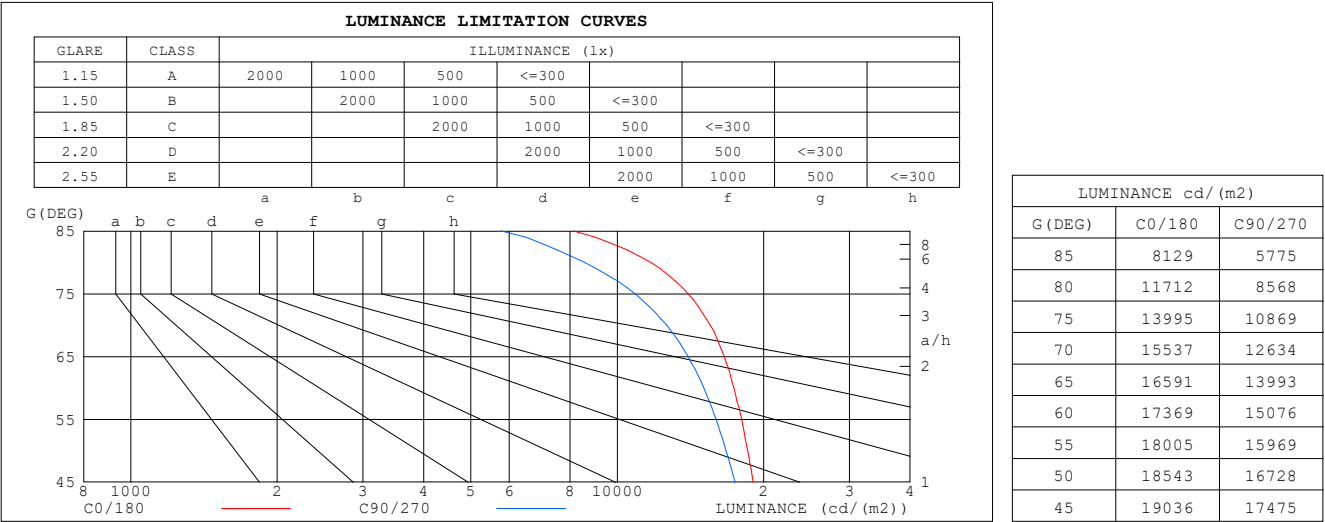
%lamp = 80.9%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:21 July 2026

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.917m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:240.0V I:0.1179A P:26.71W PF:0.9441 Lamp Flux:2480.06x1 lm		
NAME: SLIM C_1160_x_WHT_WHT_OPAL_HE_500mA_4000K_CRT50PR:x	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:



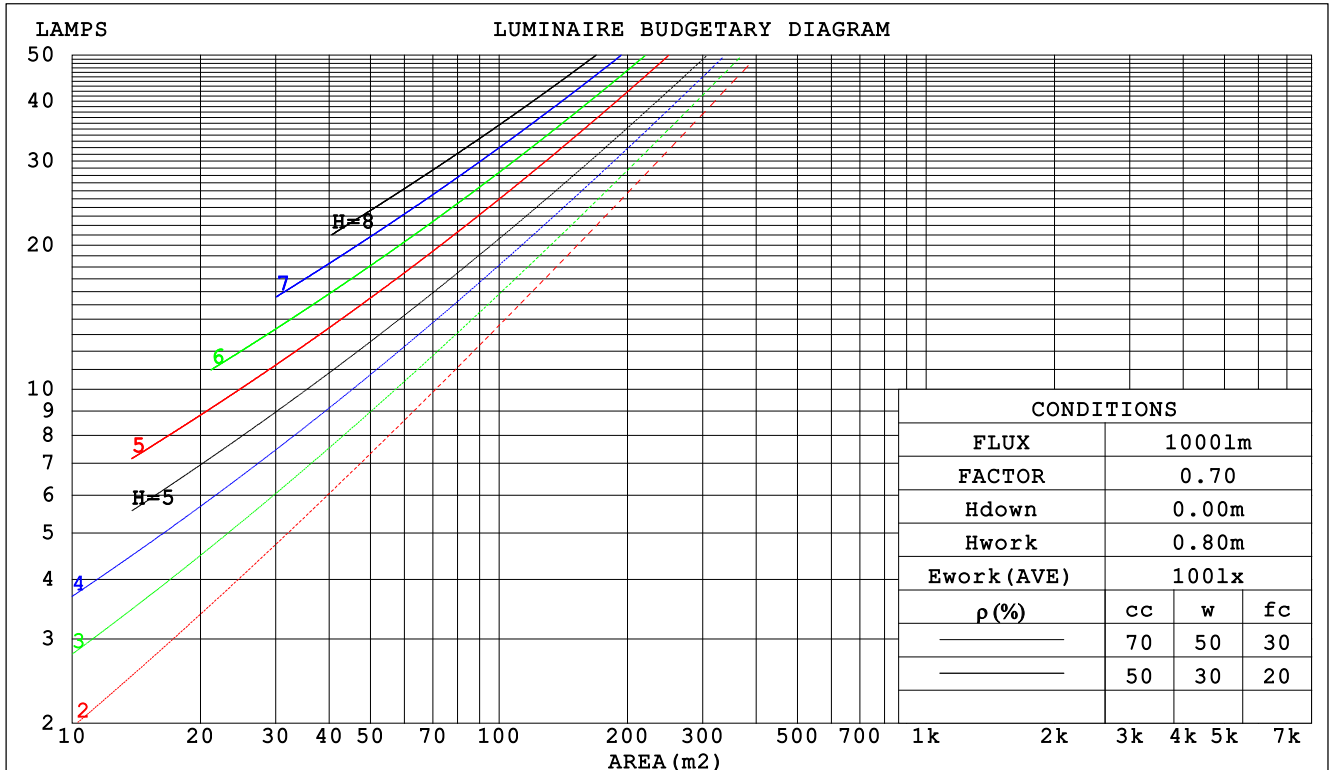
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:21 July 2026

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.917m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.0V I:0.1179A P:26.71W PF:0.9441 Lamp Flux:2480.06x1 lm		
NAME: SLIM C_1160_x_WHT_WHT_OPAL_HE_500mA_4000K_CRTDPR:x		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
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	1.05	1.00	.97	1.02	.99	.95	.98	.95	.92	.94	.92	.89	.91	.89	.87	.85
2.0	.91	.85	.79	.90	.83	.78	.86	.81	.76	.83	.78	.75	.80	.76	.73	.71
3.0	.81	.73	.66	.79	.72	.66	.76	.70	.64	.73	.68	.63	.71	.66	.62	.60
4.0	.72	.63	.56	.70	.62	.56	.68	.61	.55	.65	.59	.54	.63	.58	.54	.52
5.0	.64	.55	.49	.63	.55	.48	.61	.54	.48	.59	.52	.47	.57	.51	.47	.45
6.0	.58	.49	.43	.57	.49	.42	.55	.48	.42	.53	.47	.42	.52	.46	.41	.39
7.0	.52	.44	.38	.52	.43	.38	.50	.43	.37	.49	.42	.37	.47	.41	.37	.35
8.0	.48	.40	.34	.47	.39	.34	.46	.39	.33	.45	.38	.33	.44	.38	.33	.31
9.0	.44	.36	.30	.43	.36	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28
10.0	.41	.33	.28	.40	.33	.28	.39	.32	.27	.38	.32	.27	.37	.31	.27	.26



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:21 July 2026

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.917m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:240.0V I:0.1179A P:26.71W PF:0.9441 Lamp Flux:2480.06x1 lm		
NAME: SLIM C_1160_x_WHT_WHT_OPAL_HE_500mA_4000K_CRTDPR:x	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.297	.169	.053	.290	.165	.053	.277	.159	.051	.265	.153	.049	.253	.147	.047		
2.0	.282	.154	.047	.276	.152	.047	.264	.147	.046	.253	.142	.044	.243	.138	.043		
3.0	.262	.140	.042	.257	.138	.041	.247	.134	.041	.237	.130	.040	.228	.126	.039		
4.0	.243	.126	.037	.238	.125	.037	.229	.121	.036	.221	.118	.036	.213	.116	.035		
5.0	.225	.115	.033	.221	.113	.033	.213	.111	.033	.205	.108	.032	.198	.106	.032		
6.0	.209	.105	.030	.206	.104	.030	.198	.102	.030	.192	.100	.029	.185	.098	.029		
7.0	.195	.097	.027	.192	.096	.027	.185	.094	.027	.179	.092	.027	.174	.090	.027		
8.0	.183	.089	.025	.180	.088	.025	.174	.087	.025	.168	.085	.025	.163	.084	.024		
9.0	.171	.083	.023	.169	.082	.023	.164	.081	.023	.159	.080	.023	.154	.078	.023		
10.0	.161	.077	.021	.159	.077	.021	.154	.076	.021	.150	.074	.021	.146	.073	.021		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	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	.179	.156	.135	.154	.134	.117	.105	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.171	.132	.099	.146	.114	.086	.100	.079	.060	.058	.046	.035	.019	.015	.011	
3.0	.163	.114	.075	.140	.099	.065	.096	.068	.046	.055	.040	.027	.018	.013	.009	
4.0	.155	.101	.059	.133	.087	.051	.092	.061	.036	.053	.036	.021	.017	.012	.007	
5.0	.148	.090	.048	.127	.078	.042	.087	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.141	.082	.040	.121	.071	.035	.083	.050	.024	.048	.029	.015	.016	.010	.005	
7.0	.134	.075	.034	.115	.065	.029	.080	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.128	.069	.029	.110	.060	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.122	.064	.026	.105	.056	.022	.073	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.116	.060	.023	.100	.052	.020	.069	.037	.014	.040	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:21 July 2026

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.917m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:240.0V I:0.1179A P:26.71W PF:0.9441 Lamp Flux:2480.06x1 lm											
NAME: SLIM C_1160_x_WHT_WHT_OPAL_HE_500mA_4000K_CRI90PR:x							WEIGHT:				
SPEC.:			DIM.:				SERIAL No.:				
MFR.: DARKON			SUR.:				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	2H	22.9	24.4	23.1	24.6	24.8	22.3	23.8	22.6	24.0	24.2
	3H	24.3	25.7	24.6	25.9	26.2	23.6	24.9	23.9	25.2	25.4
	4H	24.9	26.2	25.2	26.5	26.7	24.0	25.3	24.3	25.6	25.8
	6H	25.3	26.5	25.6	26.8	27.0	24.3	25.5	24.6	25.8	26.1
	8H	25.4	26.5	25.7	26.8	27.1	24.3	25.5	24.7	25.8	26.1
	12H	25.4	26.5	25.7	26.8	27.1	24.3	25.5	24.7	25.8	26.1
4H	2H	23.4	24.7	23.7	24.9	25.2	22.9	24.2	23.2	24.5	24.7
	3H	25.0	26.2	25.4	26.5	26.8	24.4	25.5	24.7	25.8	26.1
	4H	25.7	26.7	26.1	27.1	27.4	24.9	26.0	25.3	26.3	26.6
	6H	26.2	27.1	26.6	27.4	27.8	25.3	26.2	25.7	26.5	26.9
	8H	26.3	27.2	26.7	27.5	27.9	25.3	26.2	25.8	26.6	27.0
	12H	26.4	27.2	26.8	27.5	27.9	25.4	26.2	25.8	26.6	27.0
8H	4H	25.9	26.7	26.3	27.1	27.5	25.2	26.0	25.6	26.4	26.8
	6H	26.5	27.2	26.9	27.6	28.0	25.6	26.3	26.1	26.7	27.2
	8H	26.7	27.3	27.1	27.7	28.2	25.8	26.4	26.2	26.8	27.3
	12H	26.8	27.3	27.2	27.8	28.2	25.8	26.4	26.3	26.8	27.3
12H	4H	25.8	26.6	26.3	27.0	27.4	25.2	25.9	25.6	26.3	26.7
	6H	26.5	27.1	26.9	27.5	28.0	25.7	26.3	26.1	26.7	27.2
	8H	26.7	27.2	27.2	27.7	28.2	25.8	26.4	26.3	26.8	27.3
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.3					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.3 / - 0.3					+ 0.2 / - 0.3					

CIE Pub.117 Corrected 2480 lm Total Lamp Luminous Flux. (8log(F/F0) = 3.2)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:21 July 2026

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.917m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:240.0V I:0.1179A P:26.71W PF:0.9441 Lamp Flux:2480.06x1 lm		
NAME: SLIM C_1160_x_WHT_WHT_OPAL_HE_500mA_4000K_CRT100P_x	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:

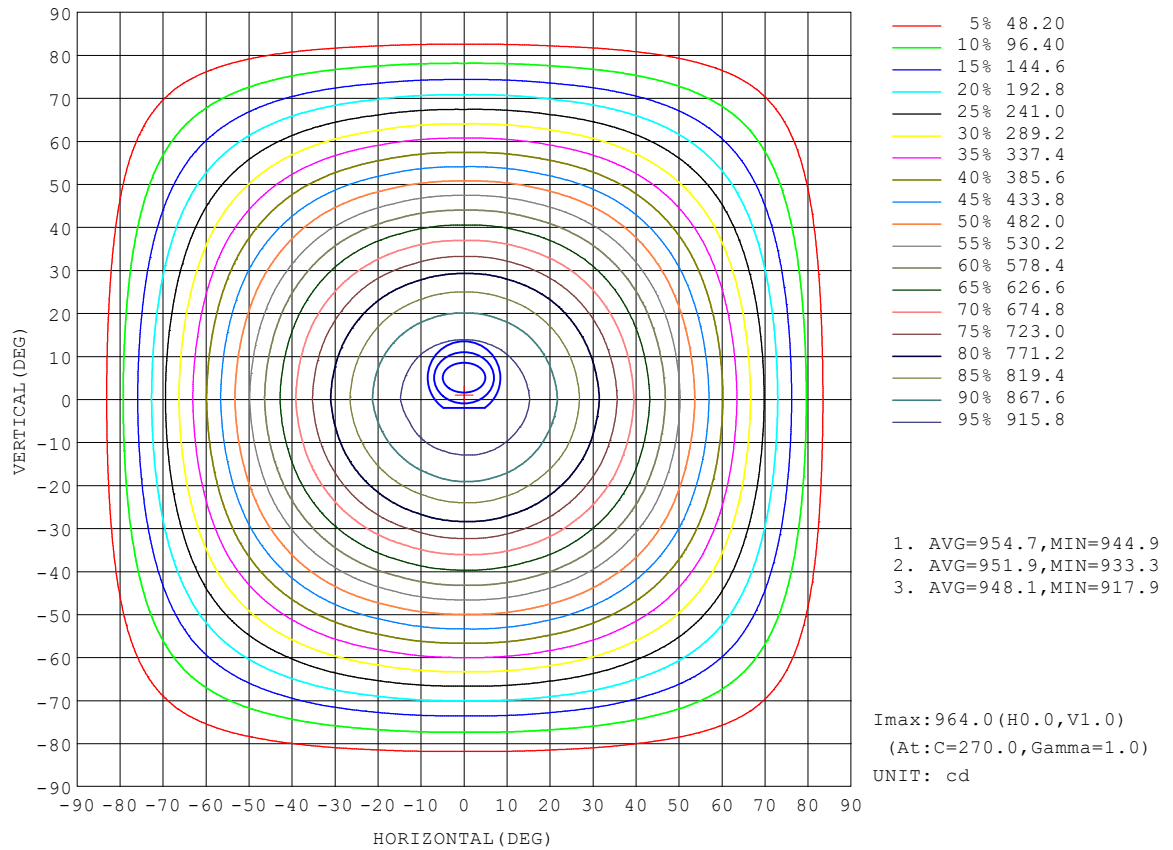
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	59	48	41	58	47	41	57	47	41	34
0.80	69	58	51	68	57	50	66	56	50	43
1.00	77	67	59	76	66	59	74	67	59	52
1.25	84	74	67	83	74	67	80	72	66	59
1.50	89	80	73	88	79	72	85	77	71	64
2.00	96	88	82	94	87	81	91	84	79	72
2.50	100	92	86	98	91	86	94	88	84	76
3.00	103	96	91	101	95	90	97	92	88	80
4.00	107	101	97	105	100	96	100	96	93	84
5.00	109	105	101	107	103	99	102	99	96	87
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JEFF
Test Date: 21 July 2026

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 7.917m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:240.0V I:0.1179A P:26.71W PF:0.9441 Lamp Flux:2480.06x1 lm		
NAME: SLIM C_1160_x_WHT_WHT_OPAL_HE_500mA_4000K_CRT10PR:x	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:

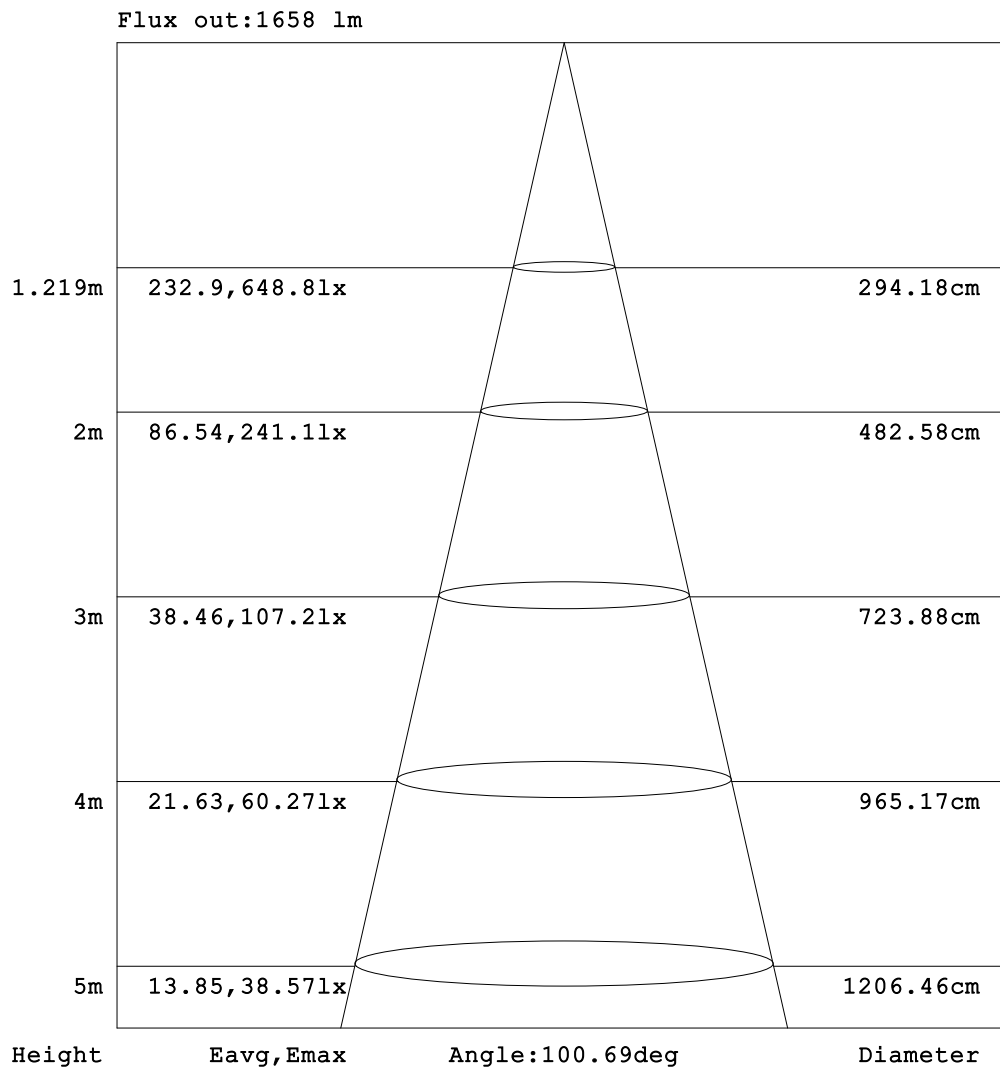


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:21 July 2026

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.917m [K=1.0000]
Remarks:

AAI Figure

Test:U:240.0V I:0.1179A P:26.71W PF:0.9441 Lamp Flux:2480.06x1 lm		
NAME: SLIM C_1160_x_WHT_WHT_OPAL_HE_500mA_4000K_CRT100PR:x	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:



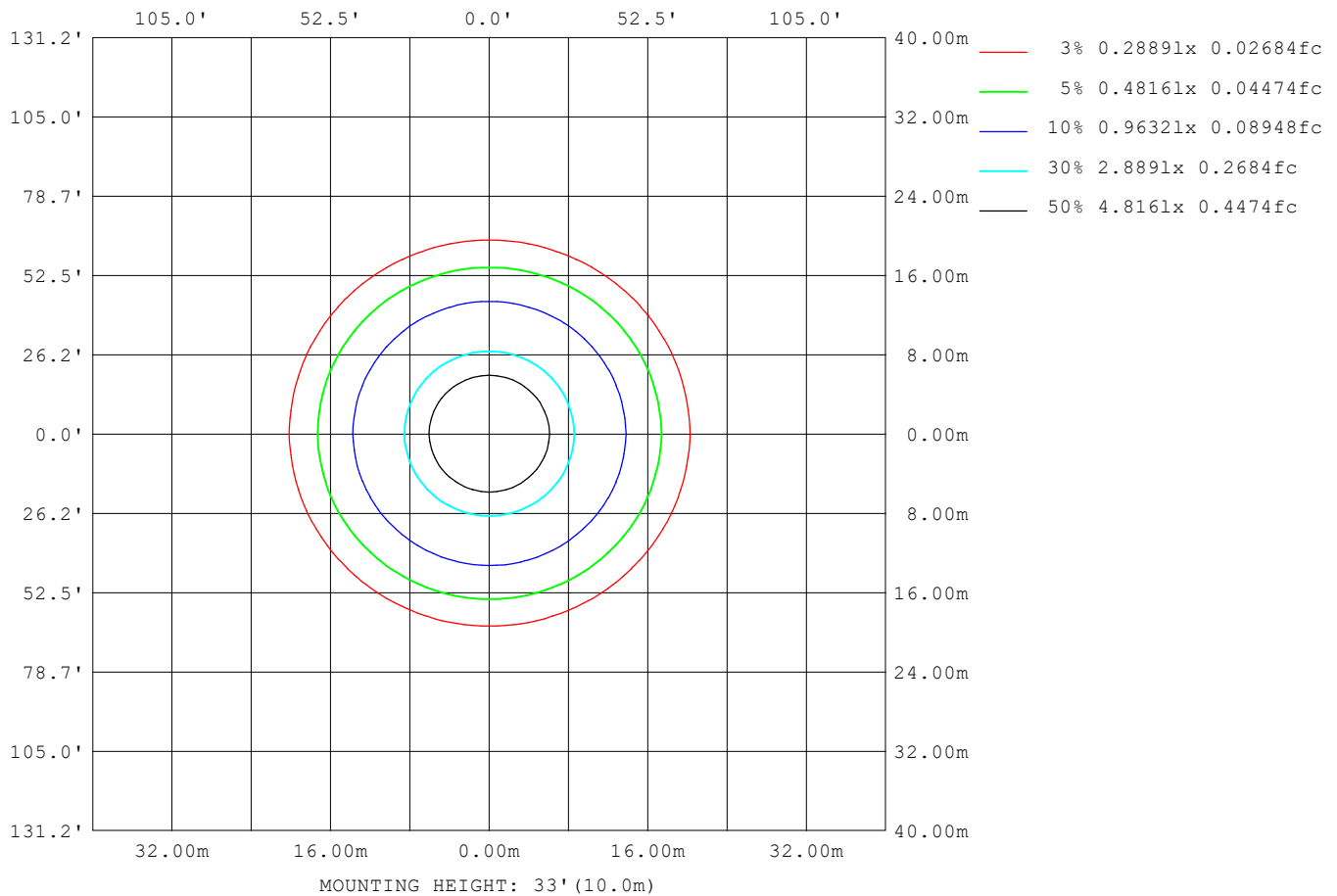
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:21 July 2026

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.917m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:240.0V I:0.1179A P:26.71W PF:0.9441 Lamp Flux:2480.06x1 lm		
NAME: SLIM C_1160_x_WHT_WHT_OPAL_HE_500mA_4000K_CRT50PR:x	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:21 July 2026

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.917m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:240.0V I:0.1179A P:26.71W PF:0.9441 Lamp Flux:2480.06x1 lm		
NAME: SLIM C_1160_x_WHT_WHT_OPAL_HE_500mA_4000K_CRT50PR:x		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:

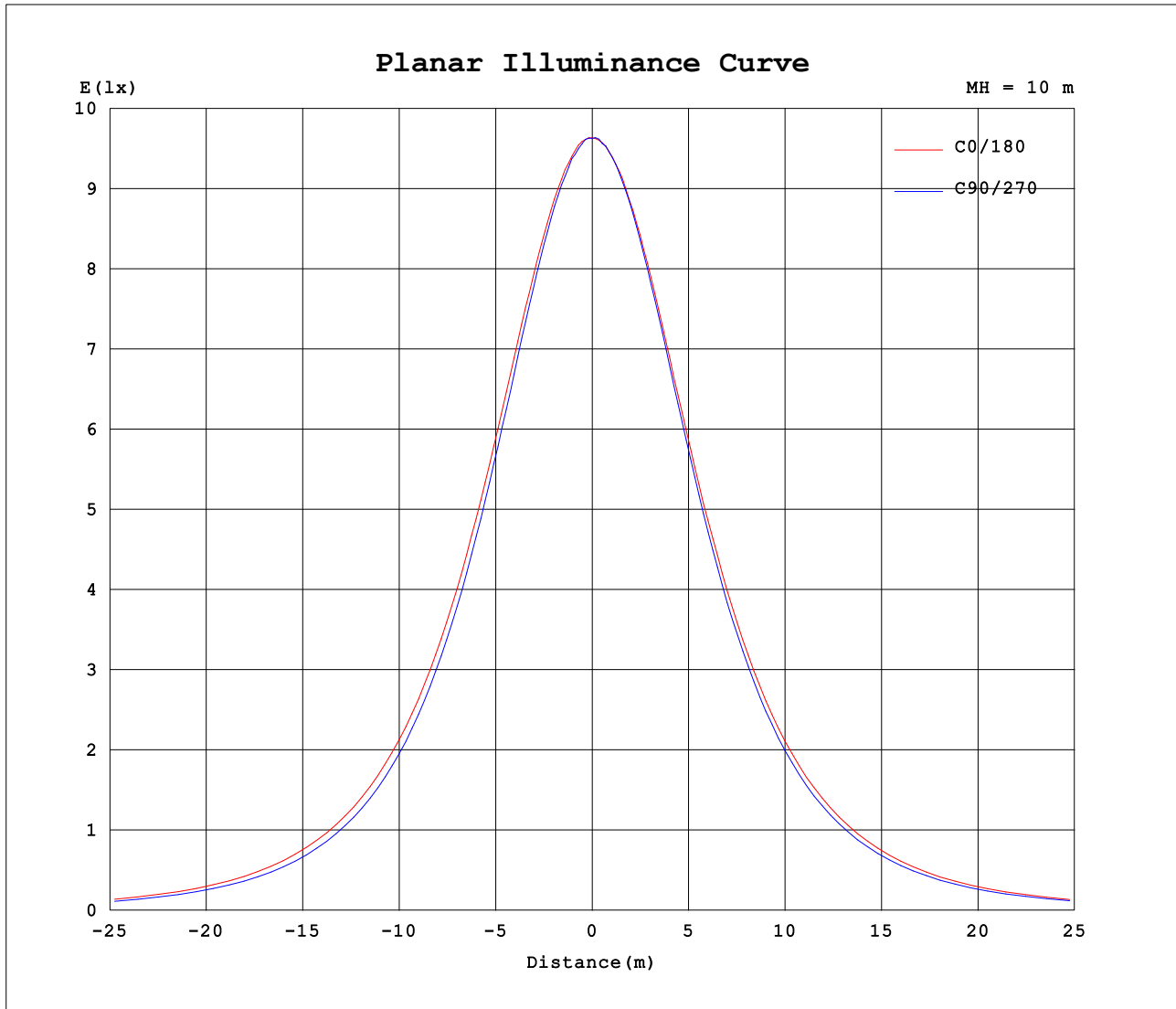
AvgL	cd/m2
L_0~180 (65) av	16457
L_0~180 (75) av	13791
L_0~180 (85) av	7712
L_90~270 (65) av	14248
L_90~270 (75) av	11279
L_90~270 (85) av	6466
L_45 (65) av	15221
L_45 (75) av	12343
L_45 (85) av	7202

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:21 July 2026

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.917m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JEFF
Test Date: 21 July 2026

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 7.917m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.917m [K=1.0000]
Remarks:

```