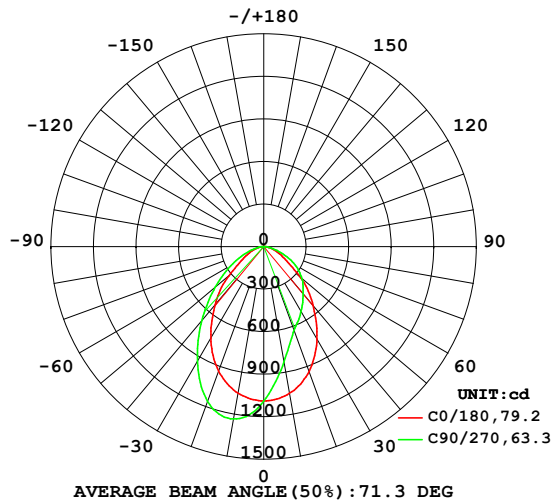


LUMINAIRE PHOTOMETRIC TEST REPORT

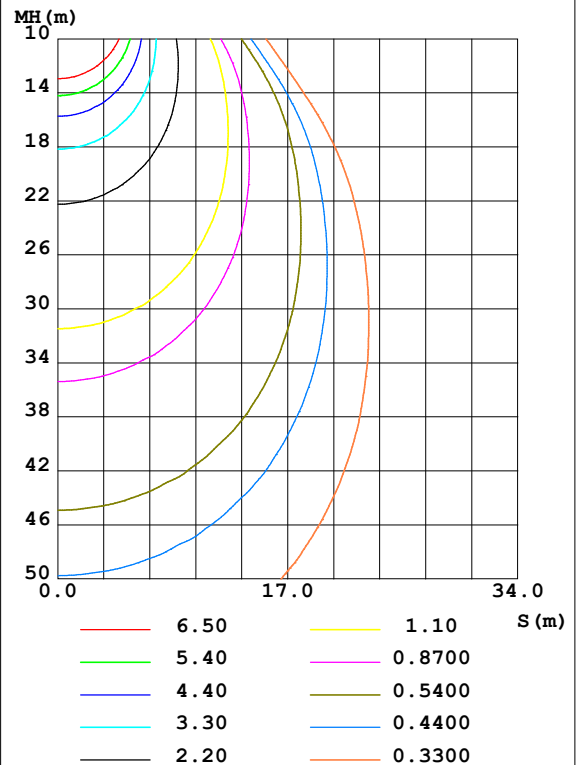
Test:U:240.0V I:0.1176A P:26.64W PF:0.9437 Lamp Flux:2167.02x1 lm		
NAME: SLIM C_1160_x_WHT_WHT_ASYMMETRIC_HE_500mA_4000KPERI90_x_x	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 81.35 lm/W			
MODEL: 2000A	1300lm 940 HV ADV6	Imax(cd)	1236	S/MH(C0/180)	1.06
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	2167.0	η UP,DN(C0-180)	0.0,41.0
NOMINAL FLUX(lm)	2167.02	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,59.0
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	240	η down(%)	100.0	CIBSE SHR MAX	1.10

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	1050	885.7	826.3	886.1	1050	1200	1234	1203	0- 10	101.7	101.7	4.69,4.69
20	938.2	677.9	627.6	683.6	933.9	1173	1161	1171	10- 20	277.7	379.4	17.5,17.5
30	752.3	562.4	527.3	565.5	747.8	1026	935.4	1019	20- 30	389.8	769.2	35.5,35.5
40	541.4	462.0	433.6	465.6	532.6	797.0	679.6	789.7	30- 40	423.5	1193	55,55
50	341.1	348.2	353.2	350.7	323.3	543.3	447.9	540.6	40- 50	386.0	1579	72.9,72.9
60	169.4	233.6	253.1	234.5	162.1	317.1	267.3	318.2	50- 60	296.2	1875	86.5,86.5
70	90.91	122.7	132.9	122.4	86.69	152.8	129.4	154.8	60- 70	189.6	2065	95.3,95.3
80	30.29	36.97	39.47	36.98	28.02	44.06	41.42	44.81	70- 80	84.96	2149	99.2,99.2
90	0.8558	0.4202	0.3529	0.4223	0.2988	0.3649	0.4227	0.4223	80- 90	17.56	2167	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): 1394.2 lm

%lum = 64.3%

%lamp = 64.3%

Conical surface Flux(120deg): 1874.9 lm

%lum = 86.5%

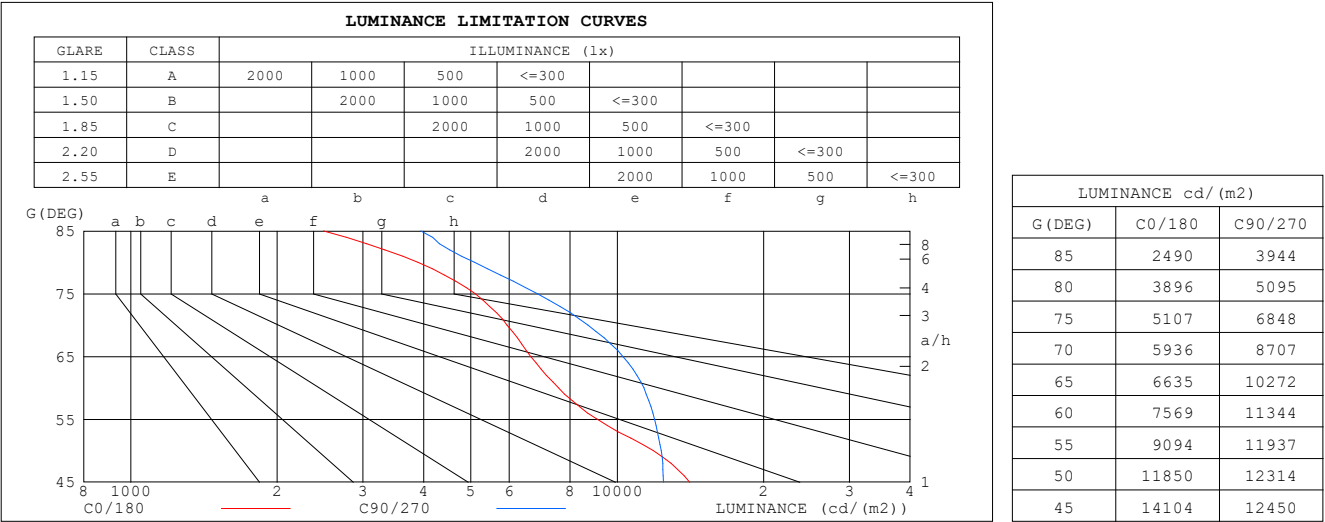
%lamp = 86.5%

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:0.1176A P:26.64W PF:0.9437 Lamp Flux:2167.02x1 lm		
NAME: SLIM C_1160_x_WHT_WHT_ASYMMETRIC_HE_500mA_4000KPERI90_x_x		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:



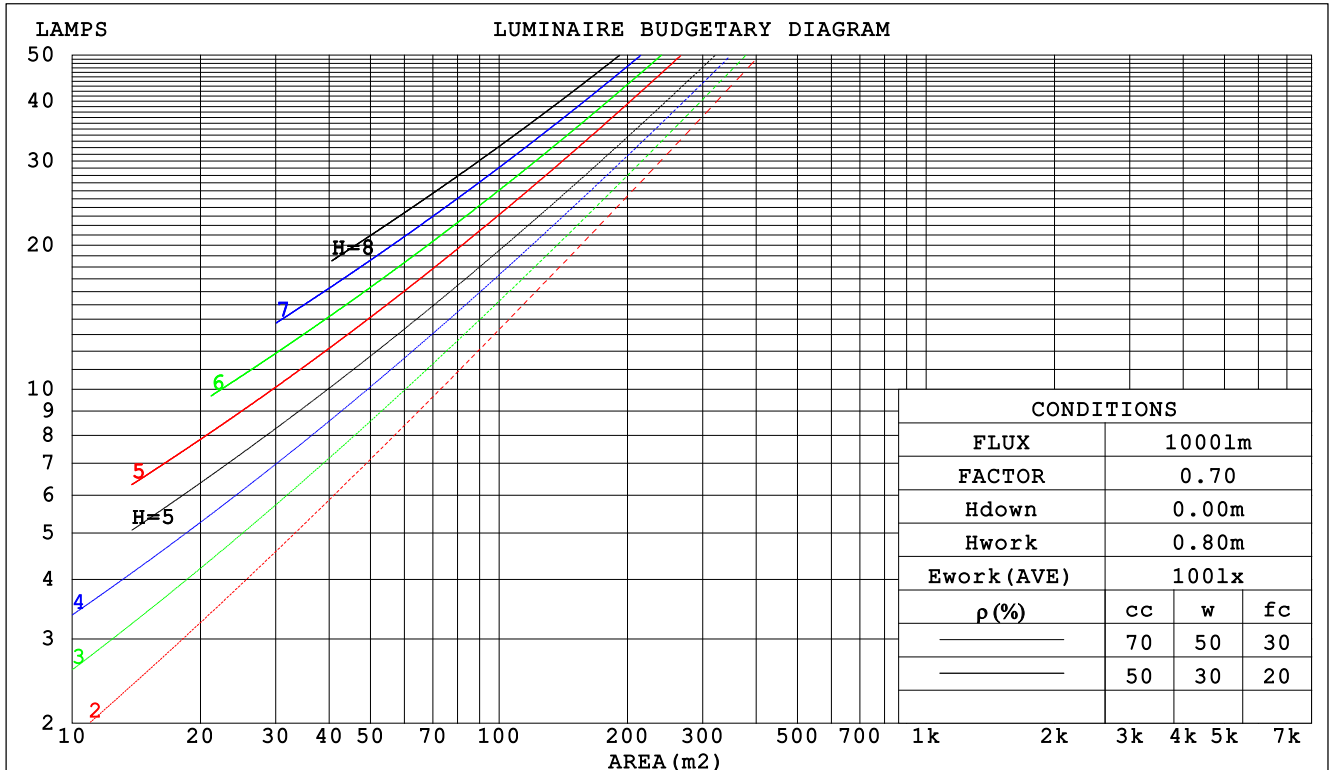
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:21 July 2026

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:0.1176A P:26.64W PF:0.9437 Lamp Flux:2167.02x1 lm		
NAME: SLIM C_1160_x_WHT_WHT_ASYMMETRIC_HE_500mA_4000KPERI90_x_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	1.06	1.02	.99	1.04	1.01	.97	.90	.97	.94	.96	.94	.92	.92	.91	.89	.87
2.0	.94	.88	.83	.92	.87	.82	.89	.84	.80	.86	.82	.78	.83	.80	.77	.75
3.0	.84	.77	.71	.82	.76	.70	.79	.74	.69	.77	.72	.68	.74	.70	.67	.65
4.0	.75	.67	.61	.74	.67	.61	.72	.65	.60	.69	.64	.59	.67	.62	.58	.56
5.0	.68	.60	.54	.67	.59	.53	.65	.58	.53	.63	.57	.52	.61	.56	.52	.50
6.0	.62	.53	.48	.61	.53	.47	.59	.52	.47	.57	.51	.47	.56	.50	.46	.44
7.0	.56	.48	.43	.56	.48	.42	.54	.47	.42	.53	.46	.42	.51	.46	.42	.40
8.0	.52	.44	.38	.51	.44	.38	.50	.43	.38	.49	.42	.38	.48	.42	.38	.36
9.0	.48	.40	.35	.47	.40	.35	.46	.39	.35	.45	.39	.34	.44	.38	.34	.33
10.0	.44	.37	.32	.44	.37	.32	.43	.36	.32	.42	.36	.32	.41	.35	.31	.30



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:0.1176A P:26.64W PF:0.9437 Lamp Flux:2167.02x1 lm		
NAME: SLIM C_1160_x_WHT_WHT_ASYMMETRIC_HE_500mA_4000KPERI90_x_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	.267	.152	.048	.260	.148	.047	.247	.141	.045	.235	.135	.043	.224	.130	.042		
2.0	.256	.140	.043	.250	.138	.042	.239	.133	.041	.228	.128	.040	.218	.124	.039		
3.0	.241	.128	.038	.235	.126	.038	.225	.122	.037	.216	.118	.036	.208	.115	.036		
4.0	.225	.117	.034	.220	.115	.034	.211	.112	.033	.203	.109	.033	.196	.106	.032		
5.0	.210	.107	.031	.206	.106	.031	.198	.103	.030	.191	.101	.030	.184	.098	.030		
6.0	.197	.099	.028	.193	.097	.028	.186	.095	.028	.179	.093	.027	.173	.091	.027		
7.0	.184	.091	.026	.181	.090	.026	.175	.088	.025	.169	.087	.025	.164	.085	.025		
8.0	.173	.085	.024	.170	.084	.024	.165	.082	.024	.160	.081	.023	.155	.079	.023		
9.0	.163	.079	.022	.161	.078	.022	.156	.077	.022	.151	.076	.022	.146	.074	.021		
10.0	.154	.074	.021	.152	.073	.020	.147	.072	.020	.143	.071	.020	.139	.070	.020		

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	.177	.157	.138	.152	.134	.119	.104	.092	.082	.060	.053	.048	.019	.017	.015	
2.0	.167	.132	.102	.143	.114	.088	.098	.079	.062	.057	.046	.036	.018	.015	.012	
3.0	.159	.114	.078	.136	.098	.068	.093	.068	.048	.054	.040	.028	.017	.013	.009	
4.0	.151	.100	.062	.129	.087	.054	.089	.060	.038	.052	.035	.022	.017	.012	.007	
5.0	.143	.090	.050	.123	.078	.044	.085	.054	.031	.049	.032	.018	.016	.010	.006	
6.0	.136	.081	.042	.117	.070	.036	.081	.049	.026	.047	.029	.015	.015	.009	.005	
7.0	.130	.074	.035	.112	.064	.031	.077	.045	.022	.045	.027	.013	.014	.009	.004	
8.0	.124	.068	.030	.107	.059	.026	.074	.042	.019	.043	.025	.011	.014	.008	.004	
9.0	.118	.063	.026	.102	.055	.023	.070	.039	.016	.041	.023	.010	.013	.007	.003	
10.0	.113	.059	.023	.097	.051	.020	.067	.036	.015	.039	.021	.009	.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:0.1176A P:26.64W PF:0.9437 Lamp Flux:2167.02x1 lm										
NAME: SLIM C_1160_x_WHT_WHT_ASYMMETRIC_HE_500mA_4000KPERI90_x_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	19.9	21.3	20.2	21.5	21.7	20.4	21.8	20.7	22.0	22.2
3H	20.8	22.1	21.1	22.3	22.5	21.6	22.9	21.9	23.1	23.4
4H	21.1	22.3	21.4	22.5	22.8	22.0	23.2	22.3	23.4	23.7
6H	21.2	22.4	21.5	22.6	22.9	22.2	23.3	22.5	23.6	23.8
8H	21.2	22.3	21.6	22.6	22.9	22.2	23.3	22.5	23.6	23.8
12H	21.2	22.3	21.6	22.6	22.8	22.2	23.2	22.5	23.5	23.8
4H 2H	20.5	21.7	20.8	21.9	22.2	20.9	22.1	21.2	22.3	22.6
3H	21.6	22.7	21.9	22.9	23.2	22.3	23.3	22.6	23.6	23.9
4H	22.0	22.9	22.4	23.3	23.6	22.7	23.7	23.1	24.0	24.3
6H	22.2	23.0	22.6	23.4	23.7	22.9	23.8	23.3	24.1	24.5
8H	22.2	23.0	22.6	23.4	23.8	23.0	23.8	23.4	24.2	24.5
12H	22.2	22.9	22.6	23.3	23.7	23.0	23.8	23.5	24.1	24.5
8H 4H	22.1	22.9	22.6	23.3	23.7	22.8	23.6	23.2	23.9	24.3
6H	22.4	23.1	22.9	23.5	23.9	23.1	23.8	23.6	24.2	24.6
8H	22.5	23.1	23.0	23.5	24.0	23.2	23.8	23.7	24.2	24.7
12H	22.6	23.0	23.0	23.5	24.0	23.3	23.8	23.8	24.3	24.7
12H 4H	22.1	22.8	22.6	23.2	23.6	22.8	23.5	23.2	23.9	24.3
6H	22.5	23.0	22.9	23.4	23.9	23.1	23.7	23.6	24.1	24.6
8H	22.6	23.0	23.0	23.5	24.0	23.3	23.7	23.7	24.2	24.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.5					+ 0.2 / - 0.3				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.4 / - 1.3					+ 0.4 / - 0.4				

CIE Pub.117 Corrected 2167 lm Total Lamp Luminous Flux. (8log(F/F0) = 2.7)

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:0.1176A P:26.64W PF:0.9437 Lamp Flux:2167.02x1 lm		
NAME: SLIM C_1160_x_WHT_WHT_ASYMMETRIC_HE_500mA_4000KPERI90_x_x	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:

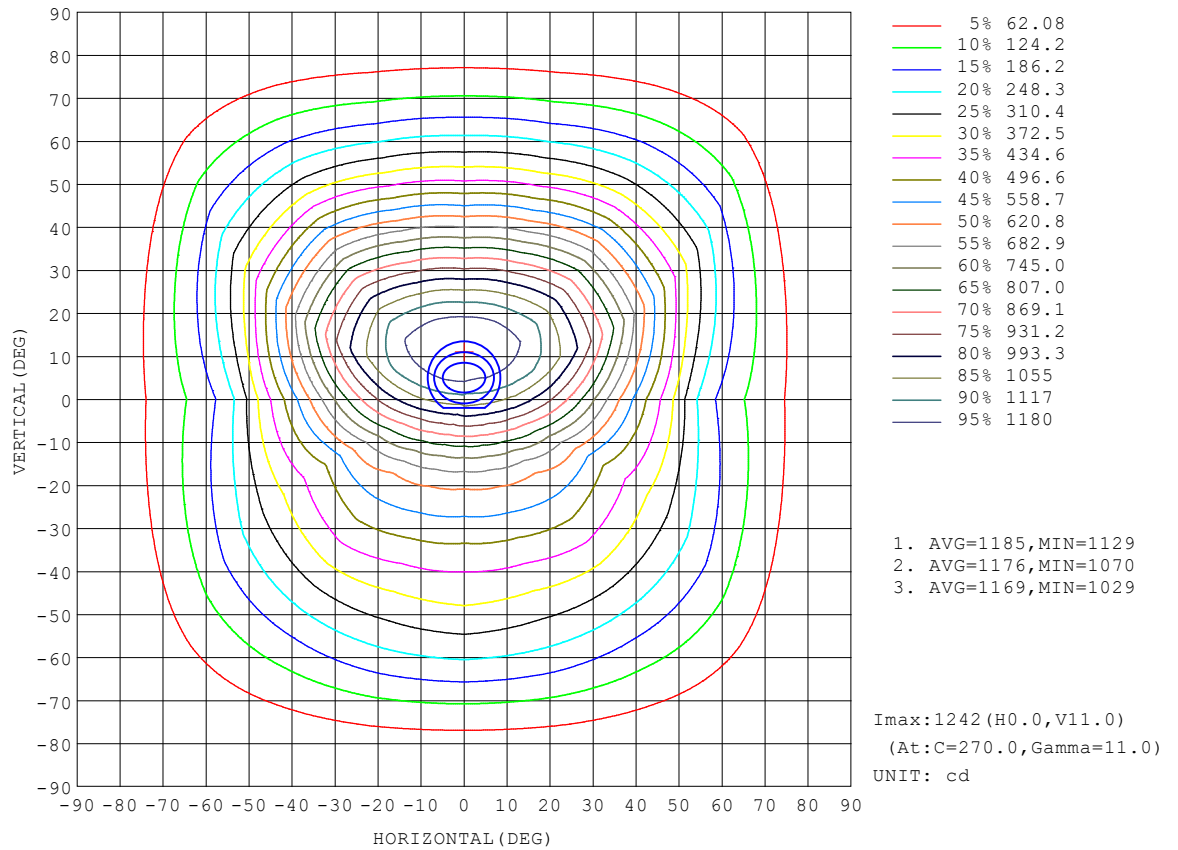
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	63	53	47	63	53	46	62	52	46	40
0.80	73	63	56	73	63	56	71	62	56	50
1.00	82	72	65	80	71	65	78	72	64	58
1.25	88	79	73	87	78	72	84	77	72	65
1.50	93	84	78	91	83	78	88	82	77	70
2.00	99	91	86	97	90	85	94	88	84	77
2.50	102	95	90	100	94	89	97	92	87	80
3.00	105	99	94	103	98	93	99	95	91	83
4.00	108	104	100	106	102	98	102	99	96	87
5.00	110	106	103	108	104	101	104	101	98	90
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:0.1176A P:26.64W PF:0.9437 Lamp Flux:2167.02x1 lm		
NAME: SLIM C_1160_x_WHT_WHT_ASYMMETRIC_HE_500mA_4000KPERI90_x_x	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:

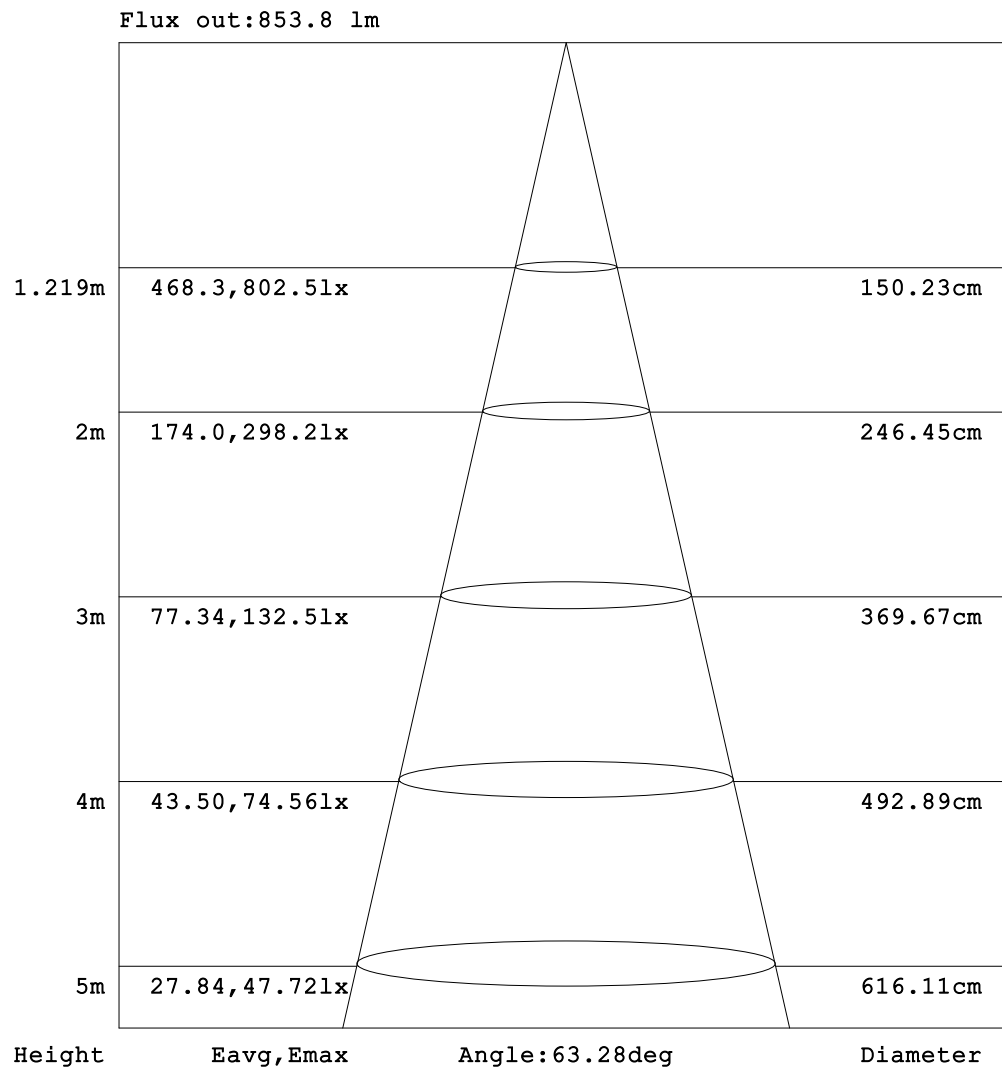


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:21 July 2026

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:0.1176A P:26.64W PF:0.9437 Lamp Flux:2167.02x1 lm		
NAME: SLIM C_1160_x_WHT_WHT_ASYMMETRIC_HE_500mA_4000KPERI90_x_x	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:



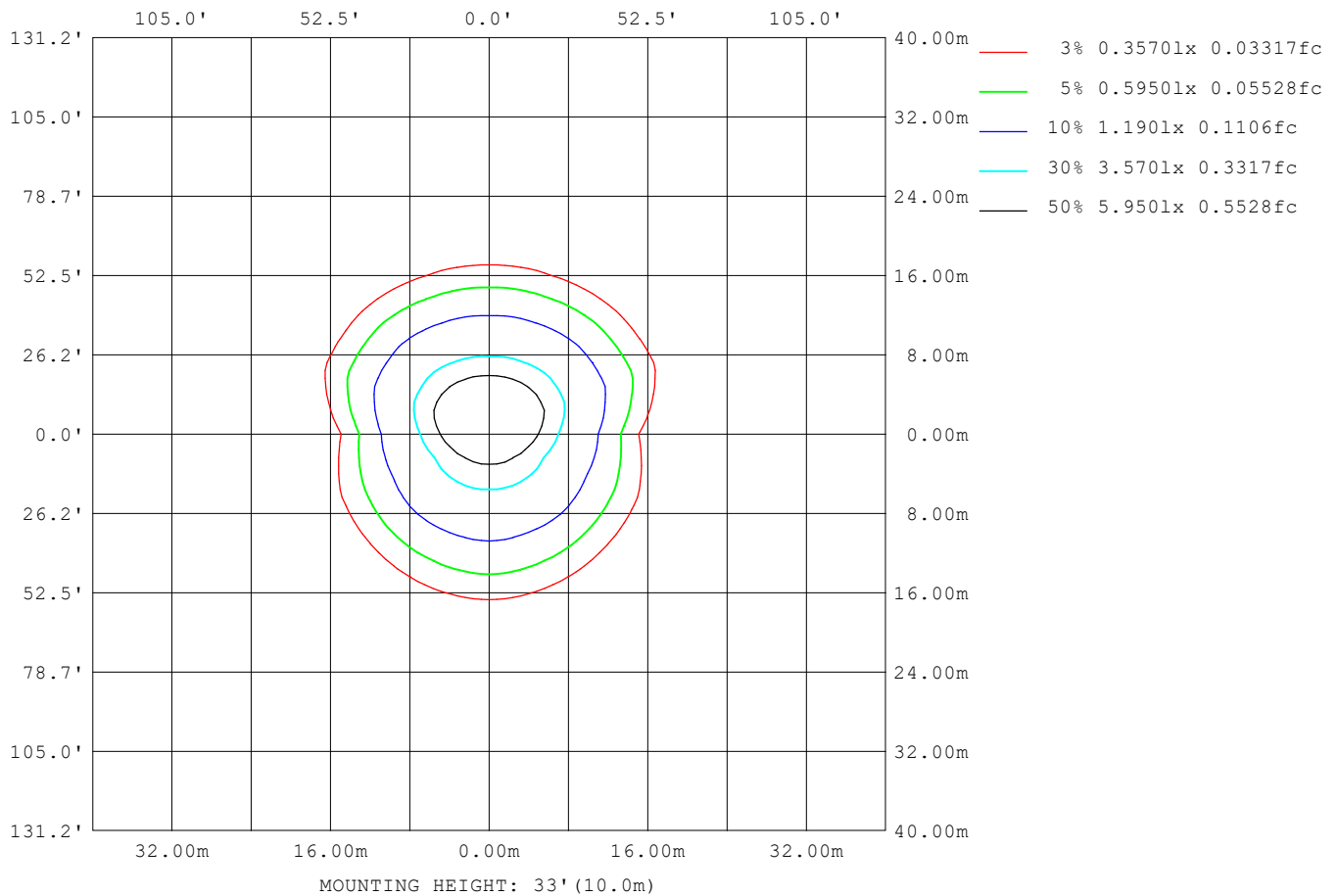
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1176A P:26.64W PF:0.9437 Lamp Flux:2167.02x1 lm		
NAME: SLIM C_1160_x_WHT_WHT_ASYMMETRIC_HE_500mA_4000KPERI90_x_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:0.1176A P:26.64W PF:0.9437 Lamp Flux:2167.02x1 lm		
NAME: SLIM C_1160_x_WHT_WHT_ASYMMETRIC_HE_500mA_4000KPERI90_x_x		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:

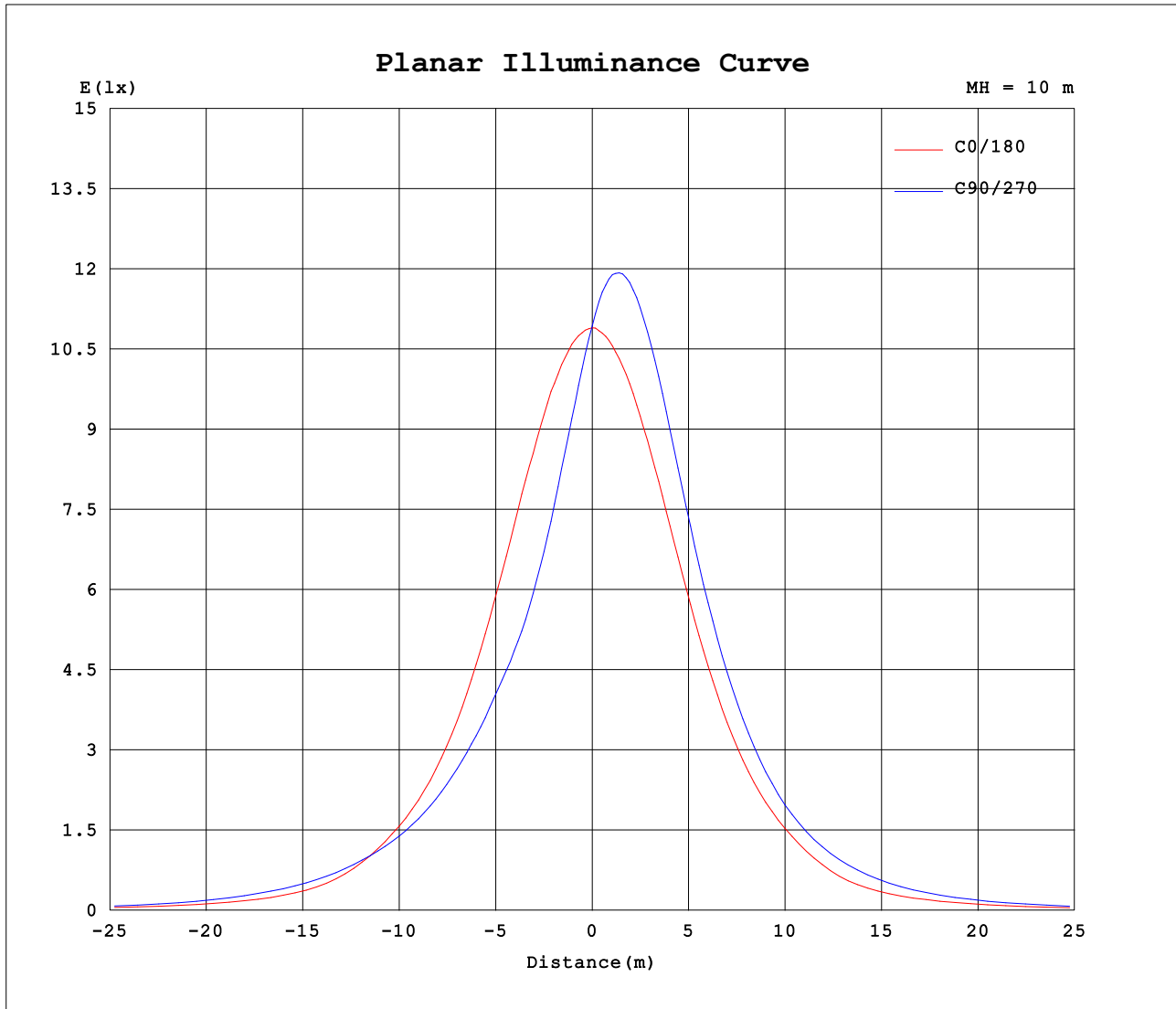
AvgL	cd/m2
L_0~180 (65) av	6498
L_0~180 (75) av	4965
L_0~180 (85) av	2350
L_90~270 (65) av	10204
L_90~270 (75) av	6805
L_90~270 (85) av	4124
L_45 (65) av	10740
L_45 (75) av	7079
L_45 (85) av	4010

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:

```