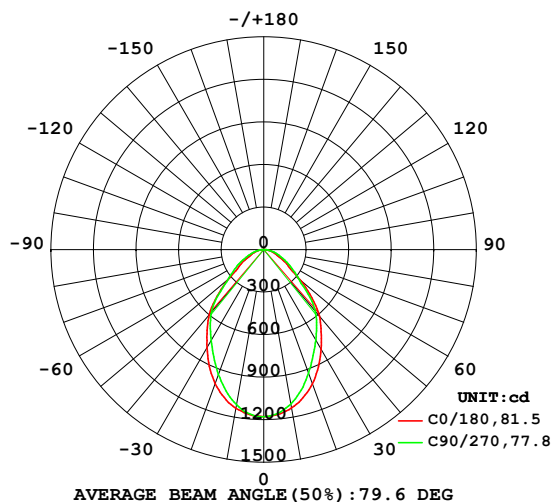


LUMINAIRE PHOTOMETRIC TEST REPORT

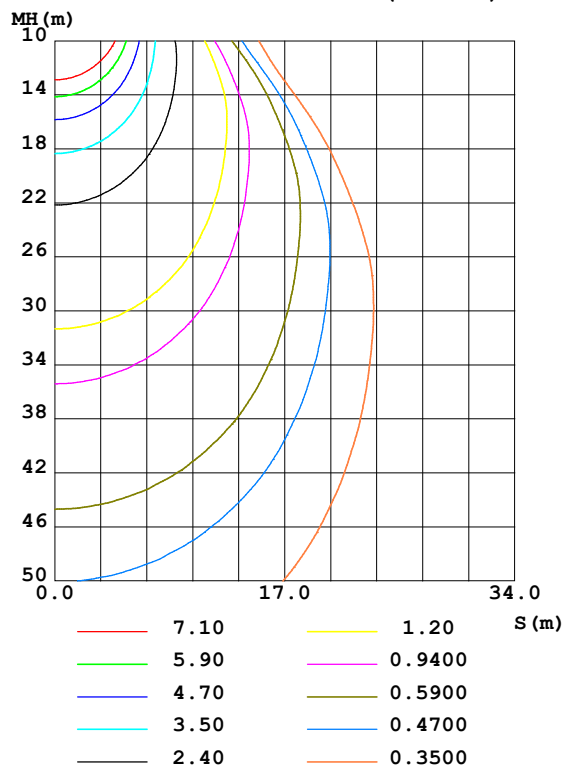
Test:U:240.1V I:0.1176A P:26.65W PF:0.9440 Lamp Flux:2021.06x1 lm		
NAME: SLIM C_1160_x_WHT_WHT_DEGLARING_HE_500mA_4000K_PRI90_x_x	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 75.82 lm/W			
MODEL: 2000A	1300lm 940 HV ADV6	Imax(cd)	1180	S/MH(C0/180)	1.05
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.98
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	2021.1	η UP,DN(C0-180)	0.0,49.9
NOMINAL FLUX(lm)	2021.06	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.1
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	240	η down(%)	100.0	CIBSE SHR MAX	1.15

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	1132	1117	1105	1115	1136	1127	1111	1124	0- 10	109.7	109.7	5.43,5.43
20	1007	963.6	926.3	963.3	1005	975.0	937.5	973.8	10- 20	295.7	405.4	20.1,20.1
30	811.5	764.9	736.9	765.9	800.3	779.0	742.5	781.2	20- 30	400.5	805.9	39.9,39.9
40	611.5	585.4	565.3	584.9	598.8	589.0	574.3	599.4	30- 40	425.5	1231	60.9,60.9
50	341.6	323.3	322.5	320.1	328.2	330.3	330.9	333.7	40- 50	353.6	1585	78.4,78.4
60	167.2	173.7	200.5	171.6	164.5	174.1	202.3	175.5	50- 60	216.1	1801	89.1,89.1
70	88.81	102.2	111.2	100.5	86.95	99.69	105.7	100.5	60- 70	132.2	1933	95.7,95.7
80	32.13	37.70	43.63	37.08	30.30	36.11	40.84	36.55	70- 80	70.99	2004	99.2,99.2
90	0.7306	0.2875	0.2806	0.2877	0.2546	0.2617	0.3083	0.3098	80- 90	16.77	2021	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): 1427.5 lm

%lum = 70.6%

%lamp = 70.6%

Conical surface Flux(120deg): 1801.1 lm

%lum = 89.1%

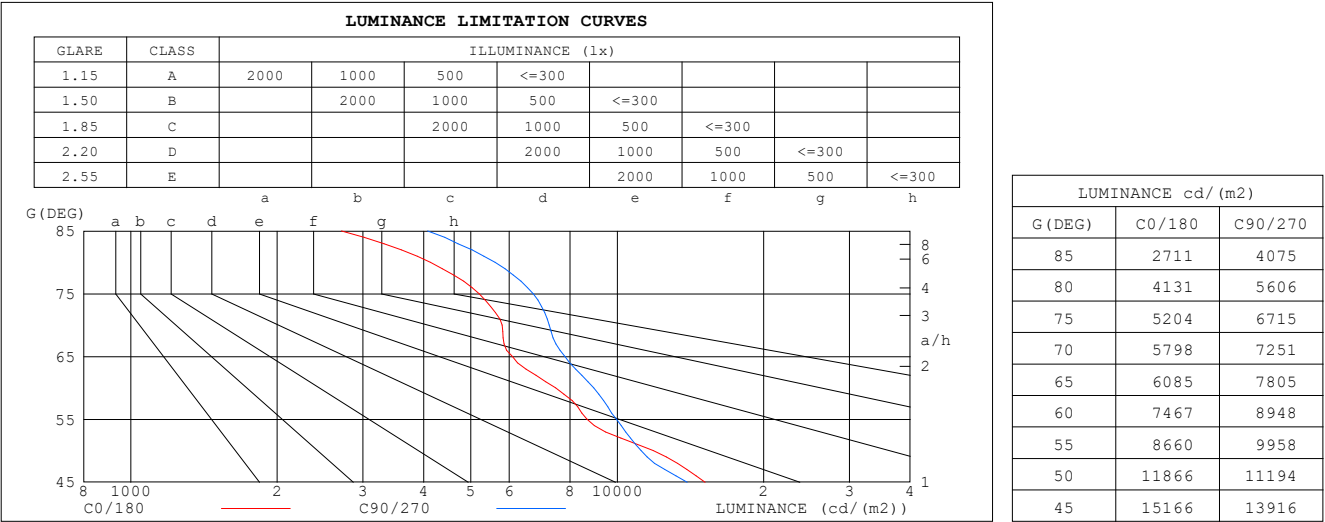
%lamp = 89.1%

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:240.1V I:0.1176A P:26.65W PF:0.9440 Lamp Flux:2021.06x1 lm		
NAME: SLIM C_1160_x_WHT_WHT_DEGLARING_HE_500mA_4000K_PRI90_x_x	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:



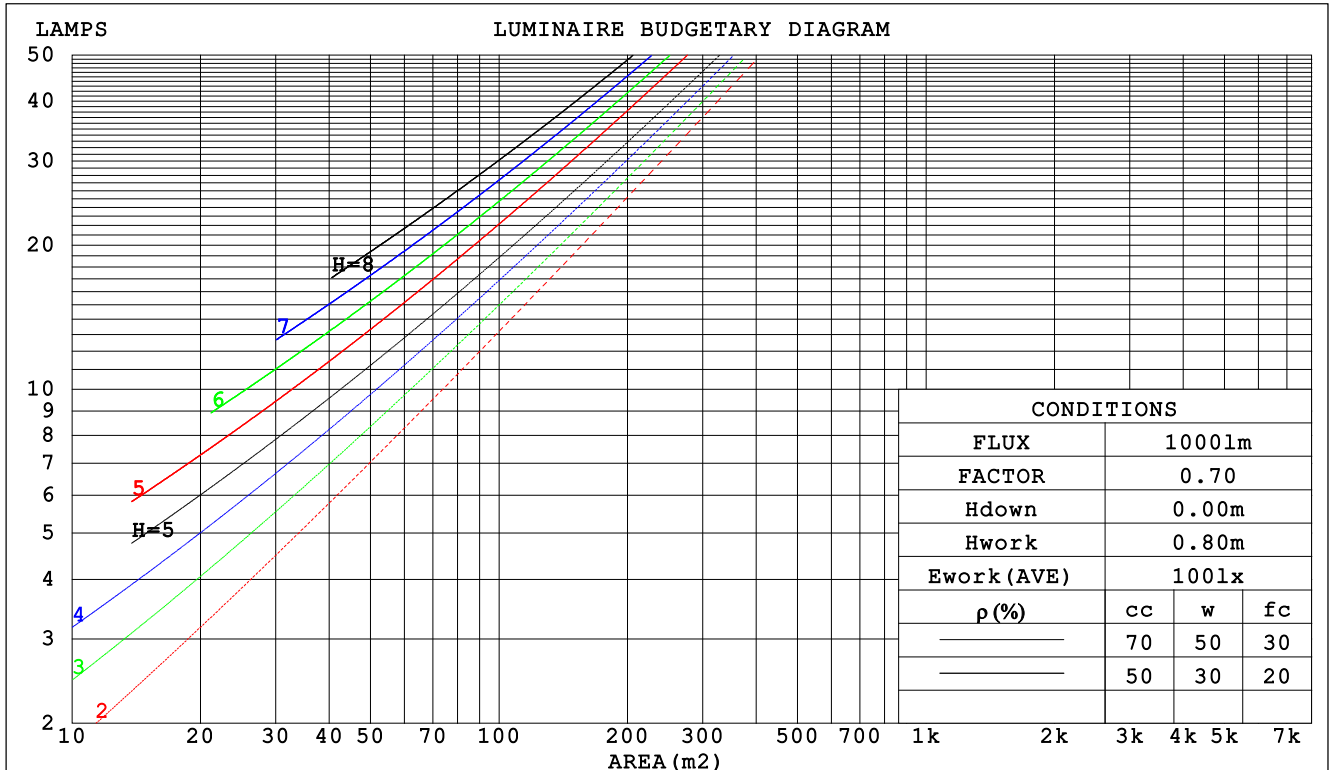
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:21 July 2026

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:240.1V I:0.1176A P:26.65W PF:0.9440 Lamp Flux:2021.06x1 lm		
NAME: SLIM C_1160_x_WHT_WHT_DEGLARING_HE_500mA_4000K_PRI90_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	1.07	1.03	1.00	1.05	1.01	.98	1.00	.98	.95	.97	.94	.93	.93	.91	.90	.88
2.0	.96	.90	.85	.94	.88	.84	.90	.86	.82	.87	.84	.80	.84	.81	.79	.77
3.0	.86	.79	.73	.84	.78	.73	.82	.76	.72	.79	.74	.70	.76	.73	.69	.67
4.0	.78	.70	.64	.76	.69	.64	.74	.68	.63	.72	.66	.62	.70	.65	.61	.59
5.0	.71	.63	.57	.69	.62	.57	.67	.61	.56	.66	.60	.55	.64	.59	.55	.53
6.0	.64	.56	.51	.64	.56	.51	.62	.55	.50	.60	.54	.50	.59	.53	.49	.48
7.0	.59	.51	.46	.58	.51	.46	.57	.50	.45	.56	.50	.45	.54	.49	.45	.43
8.0	.55	.47	.42	.54	.47	.41	.53	.46	.41	.51	.45	.41	.50	.45	.41	.39
9.0	.50	.43	.38	.50	.43	.38	.49	.42	.38	.48	.42	.38	.47	.41	.37	.36
10.0	.47	.40	.35	.46	.40	.35	.46	.39	.35	.45	.39	.35	.44	.38	.34	.33



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:240.1V I:0.1176A P:26.65W PF:0.9440 Lamp Flux:2021.06x1 lm		
NAME: SLIM C_1160_x_WHT_WHT_DEGLARING_HE_500mA_4000K_PRI90_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	.254	.144	.046	.247	.141	.045	.234	.134	.043	.222	.128	.041	.211	.122	.039		
2.0	.243	.133	.041	.237	.130	.040	.225	.125	.039	.215	.121	.038	.205	.116	.037		
3.0	.228	.121	.036	.223	.119	.036	.213	.116	.035	.204	.112	.034	.196	.108	.034		
4.0	.214	.111	.033	.209	.110	.032	.201	.106	.032	.193	.103	.031	.185	.101	.031		
5.0	.200	.102	.030	.196	.101	.029	.189	.098	.029	.182	.096	.028	.175	.093	.028		
6.0	.188	.094	.027	.184	.093	.027	.178	.091	.026	.171	.089	.026	.165	.087	.026		
7.0	.177	.087	.025	.174	.087	.025	.168	.085	.024	.162	.083	.024	.157	.081	.024		
8.0	.167	.081	.023	.164	.081	.023	.158	.079	.023	.153	.078	.022	.148	.076	.022		
9.0	.158	.076	.021	.155	.076	.021	.150	.074	.021	.145	.073	.021	.141	.072	.021		
10.0	.149	.072	.020	.147	.071	.020	.142	.070	.020	.138	.069	.020	.134	.068	.019		

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	.176	.157	.139	.151	.134	.119	.103	.092	.083	.059	.054	.048	.019	.017	.016	
2.0	.166	.132	.104	.142	.114	.090	.097	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.156	.114	.080	.134	.098	.070	.092	.068	.049	.053	.040	.029	.017	.013	.009	
4.0	.148	.100	.064	.127	.087	.055	.087	.060	.039	.051	.035	.023	.016	.012	.008	
5.0	.141	.089	.052	.121	.077	.045	.083	.054	.032	.048	.032	.019	.016	.010	.006	
6.0	.134	.081	.043	.115	.070	.037	.079	.049	.026	.046	.029	.016	.015	.009	.005	
7.0	.127	.074	.036	.109	.064	.032	.076	.045	.022	.044	.026	.013	.014	.009	.004	
8.0	.121	.068	.031	.104	.059	.027	.072	.041	.019	.042	.024	.011	.014	.008	.004	
9.0	.116	.063	.027	.100	.054	.024	.069	.038	.017	.040	.023	.010	.013	.007	.003	
10.0	.110	.059	.024	.095	.051	.021	.066	.036	.015	.039	.021	.009	.012	.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:240.1V I:0.1176A P:26.65W PF:0.9440 Lamp Flux:2021.06x1 lm										
NAME: SLIM C_1160_x_WHT_WHT_DEGLARING_HE_500mA_4000K_PRI90_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	21.6	19.9	21.2	20.1	21.4	21.6
3H	20.6	21.8	20.9	22.0	22.3	20.8	22.0	21.1	22.2	22.5
4H	20.9	22.0	21.2	22.3	22.5	21.2	22.4	21.5	22.6	22.9
6H	21.1	22.1	21.4	22.4	22.7	21.5	22.6	21.8	22.9	23.1
8H	21.1	22.1	21.4	22.4	22.7	21.6	22.6	21.9	22.9	23.2
12H	21.1	22.1	21.4	22.4	22.7	21.6	22.6	22.0	22.9	23.2
4H 2H	20.2	21.4	20.5	21.6	21.8	20.2	21.3	20.5	21.5	21.8
3H	21.1	22.1	21.4	22.4	22.7	21.3	22.3	21.6	22.6	22.9
4H	21.5	22.4	21.9	22.7	23.1	21.9	22.8	22.2	23.1	23.4
6H	21.8	22.6	22.2	22.9	23.3	22.3	23.1	22.7	23.4	23.8
8H	21.9	22.6	22.3	23.0	23.3	22.4	23.1	22.8	23.5	23.9
12H	21.9	22.6	22.3	22.9	23.3	22.4	23.1	22.9	23.5	23.9
8H 4H	21.7	22.4	22.1	22.8	23.2	22.0	22.7	22.4	23.1	23.5
6H	22.1	22.7	22.5	23.1	23.5	22.5	23.1	22.9	23.5	23.9
8H	22.2	22.7	22.6	23.1	23.6	22.7	23.2	23.1	23.7	24.1
12H	22.2	22.7	22.7	23.1	23.6	22.8	23.3	23.3	23.7	24.2
12H 4H	21.7	22.4	22.1	22.7	23.1	22.0	22.7	22.4	23.0	23.4
6H	22.1	22.6	22.5	23.1	23.5	22.5	23.1	23.0	23.5	23.9
8H	22.2	22.7	22.7	23.1	23.6	22.7	23.2	23.2	23.6	24.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.7					+ 0.5 / - 0.5				
1.5H	+ 0.4 / - 0.5					+ 0.3 / - 0.3				
2.0H	+ 1.3 / - 0.9					+ 1.0 / - 0.7				

CIE Pub.117 Corrected 2021 lm Total Lamp Luminous Flux. (8log(F/F0) = 2.4)

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:240.1V I:0.1176A P:26.65W PF:0.9440 Lamp Flux:2021.06x1 lm		
NAME: SLIM C_1160_x_WHT_WHT_DEGLARING_HE_500mA_4000K_PRI90_x_x	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:

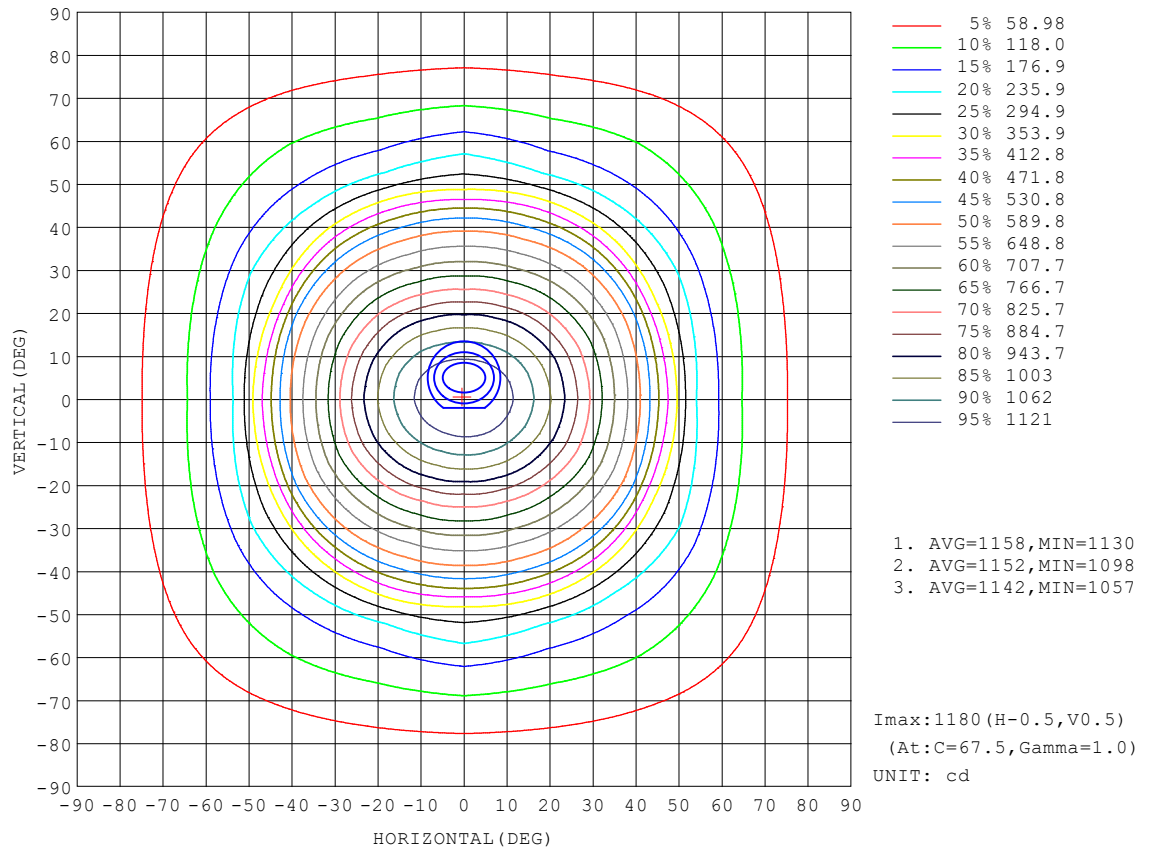
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	67	57	51	66	57	51	65	57	51	46
0.80	77	67	61	76	67	61	74	66	60	55
1.00	84	75	69	83	75	69	81	76	69	63
1.25	91	82	76	89	82	76	87	80	75	69
1.50	95	87	81	93	86	81	91	85	80	74
2.00	100	94	88	99	92	88	96	90	86	79
2.50	103	97	92	102	96	91	98	93	90	82
3.00	106	101	96	104	99	95	100	96	93	85
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	107	104	109	105	102	104	102	99	91
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:240.1V I:0.1176A P:26.65W PF:0.9440 Lamp Flux:2021.06x1 lm		
NAME: SLIM C_1160_x_WHT_WHT_DEGLARING_HE_500mA_4000K_PRI90_x_x	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:

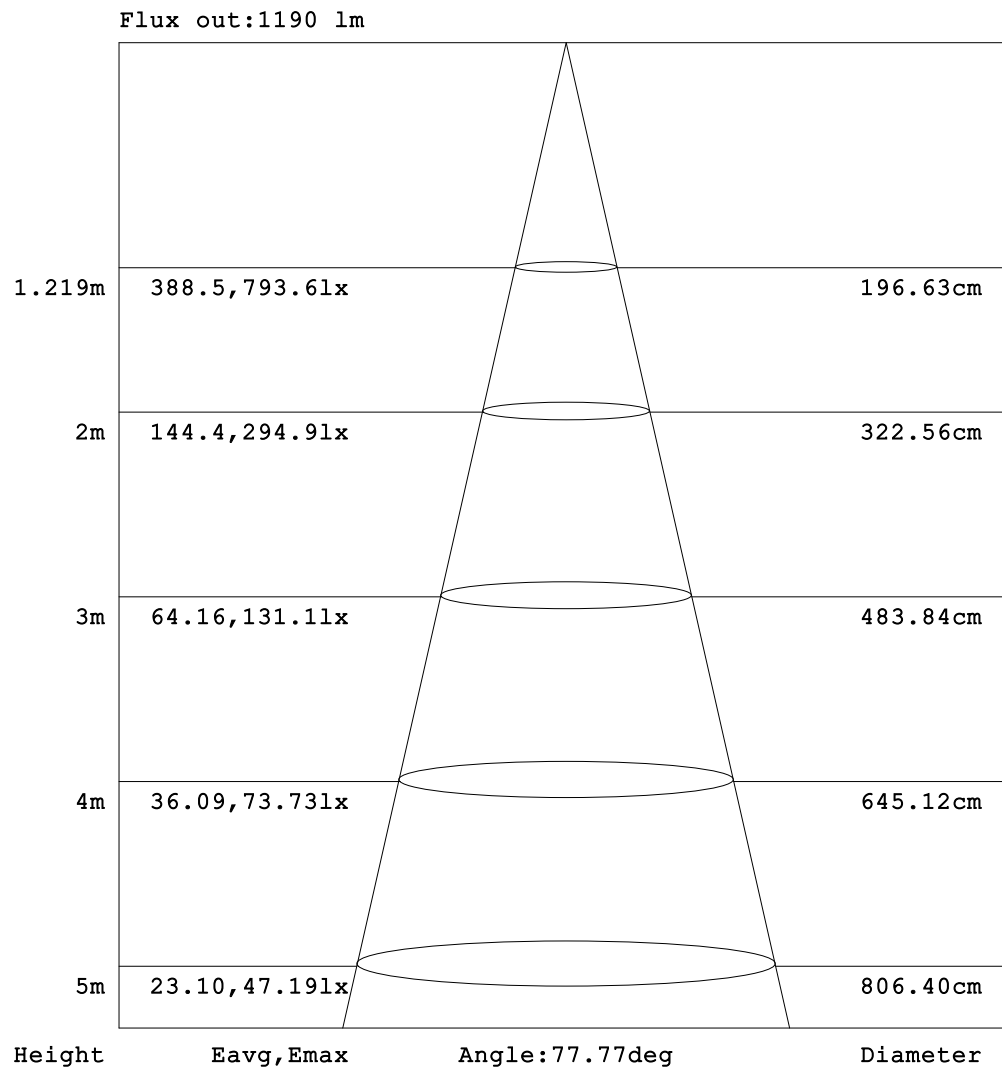


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:21 July 2026

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:240.1V I:0.1176A P:26.65W PF:0.9440 Lamp Flux:2021.06x1 lm		
NAME: SLIM C_1160_x_WHT_WHT_DEGLARING_HE_500mA_4000K_PRI90_x_x		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:



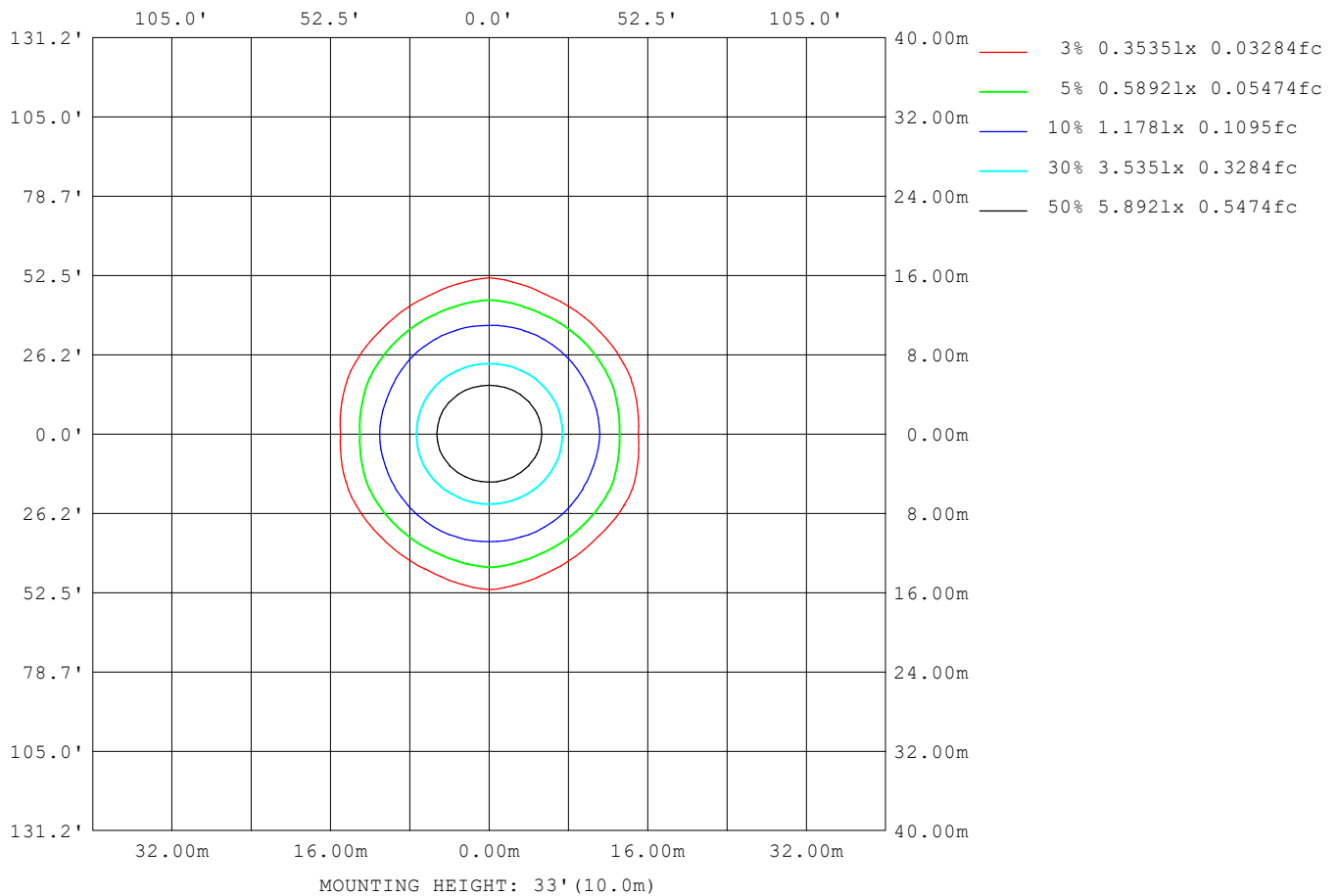
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:240.1V I:0.1176A P:26.65W PF:0.9440 Lamp Flux:2021.06x1 lm		
NAME: SLIM C_1160_x_WHT_WHT_DEGLARING_HE_500mA_4000K_PRI90_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:240.1V I:0.1176A P:26.65W PF:0.9440 Lamp Flux:2021.06x1 lm		
NAME: SLIM C_1160_x_WHT_WHT_DEGLARING_HE_500mA_4000K_PRI90_x_x		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:

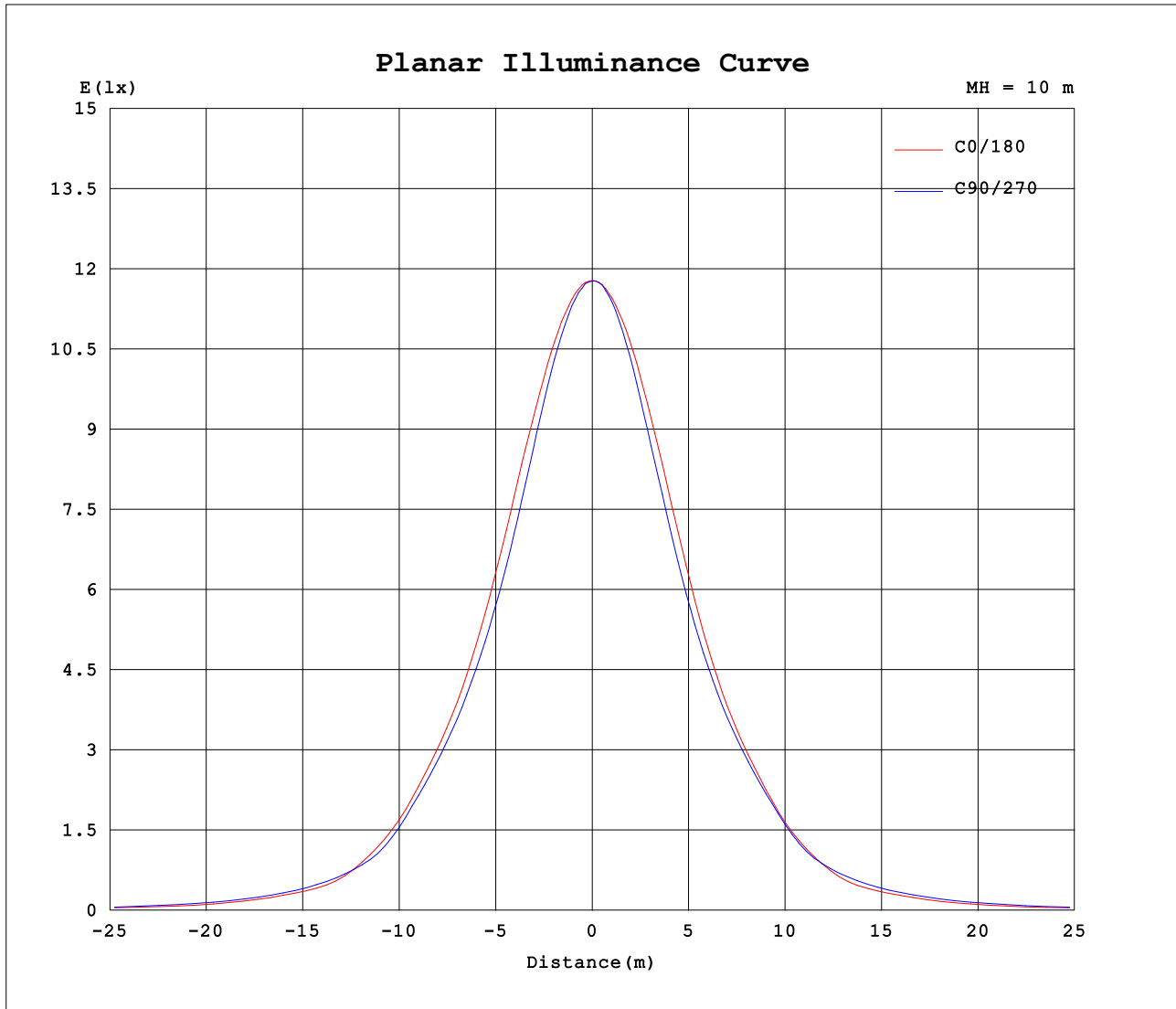
AvgL	cd/m2
L_0~180 (65) av	6008
L_0~180 (75) av	5109
L_0~180 (85) av	2570
L_90~270 (65) av	7749
L_90~270 (75) av	6487
L_90~270 (85) av	4120
L_45 (65) av	7010
L_45 (75) av	5798
L_45 (85) av	3709

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:

```