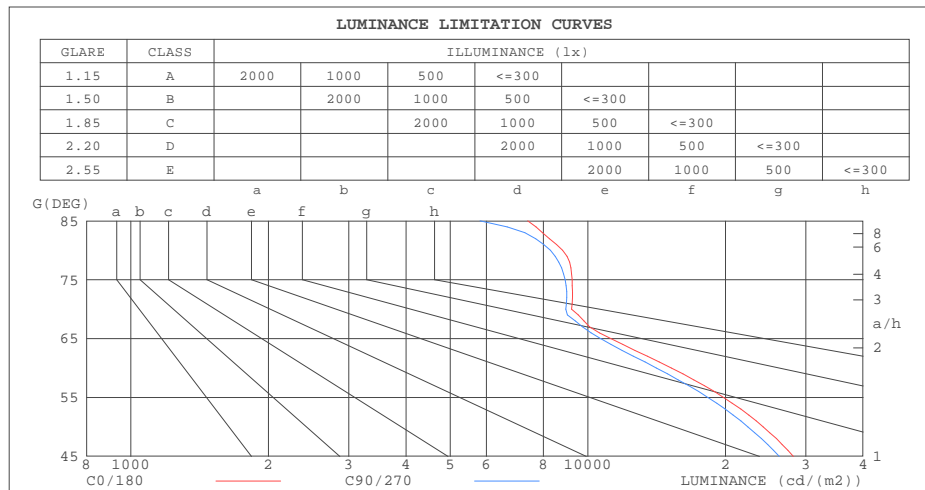


ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum
10	2062	2056	2043	2039	2043	2050	2060	2067	0- 10	198.5	198.5	4.74
20	1912	1898	1875	1869	1874	1887	1908	1919	10- 20	559.0	757.5	18.1
30	1663	1640	1607	1602	1610	1625	1652	1667	20- 30	817.8	1575	37.6
40	1278	1252	1206	1193	1198	1217	1255	1279	30- 40	900.7	2476	59.2
50	823.2	802.7	763.5	740.8	741.8	761.3	806.5	828.5	40- 50	776.6	3253	77.7
60	403.4	393.5	374.4	363.5	355.5	372.0	402.6	405.5	50- 60	512.2	3765	89.9
70	166.8	165.9	162.3	161.2	158.3	158.6	163.2	165.8	60- 70	249.1	4014	95.9
80	81.00	80.74	76.17	76.92	76.82	75.77	78.16	78.73	70- 80	129.0	4143	99
90	0.0534	0	0	0	0	0	0	0	80- 90	34.66	4178	99.8
100	0	0	0	0	0	0	0	0	90-100	0.0002	4178	99.8
110	0.0311	0.0875	0.0494	0.1379	0.1938	0.1106	0.1382	0.0688	100-110	0.0158	4178	99.8
120	0.5551	0.6184	0.6240	0.7147	0.7932	0.6987	0.7064	0.6441	110-120	0.3609	4178	99.8
130	1.328	1.361	1.397	1.516	1.637	1.516	1.483	1.427	120-130	0.9299	4179	99.8
140	2.238	2.280	2.328	2.463	2.578	2.445	2.401	2.371	130-140	1.476	4180	99.9
150	3.144	3.199	3.241	3.369	3.457	3.334	3.301	3.297	140-150	1.781	4182	99.9
160	3.937	3.978	4.011	4.132	4.176	4.071	4.075	4.061	150-160	1.700	4184	100
170	4.498	4.540	4.536	4.651	4.643	4.551	4.598	4.594	160-170	1.223	4185	100
180	4.755	4.733	4.736	4.795	4.749	4.733	4.755	4.789	170-180	0.4463	4186	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	7383	5806
80	8813	8278
75	9236	8916
70	9217	8956
65	11231	10666
60	15243	14132
55	19804	18306
50	24199	22416
45	28158	26244

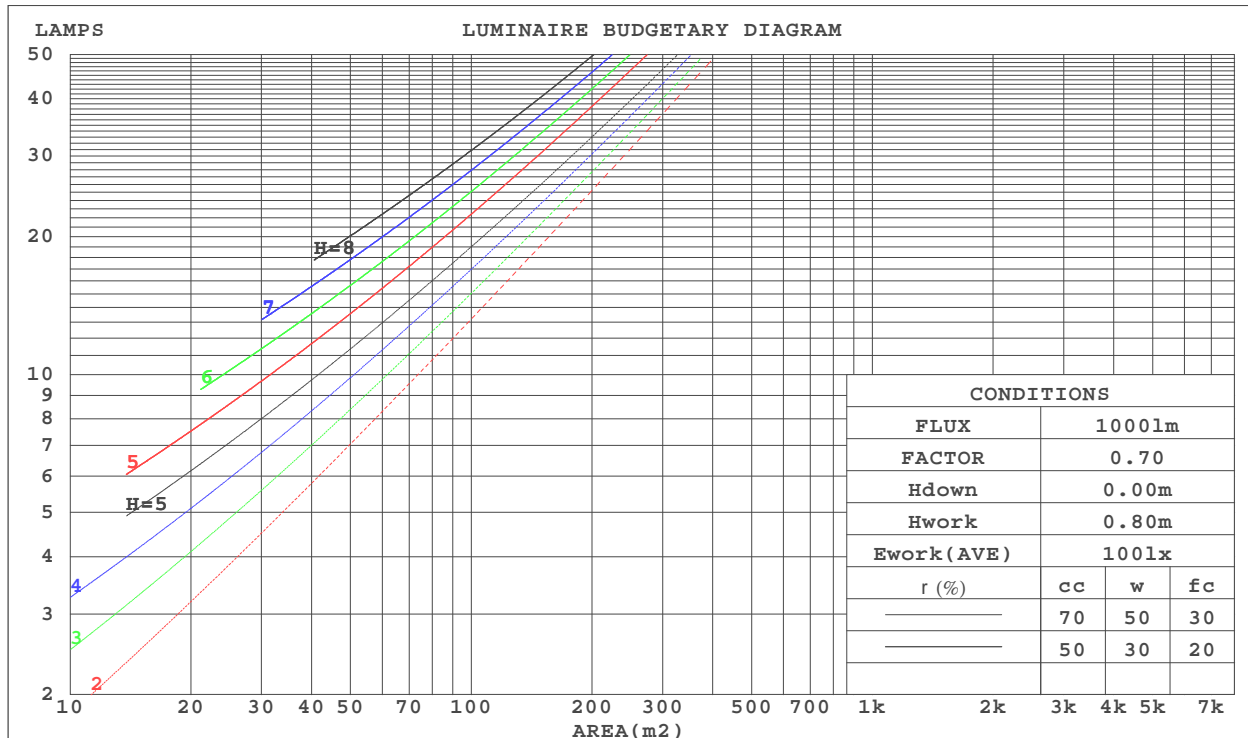
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Aaron
Test Date: 2025-05-28

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Humidity: 65.0%
Test Distance: 10.698m [K=1.0000]
Remarks: TRP-250528SHA-01_F172
T505281

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.3V I:0.3153A P:35.92W PF:0.9844 Lamp Flux:4185.54x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277M-5000K		WEIGHT:
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HDM277 M-5000K		SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

r cc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2025-05-28

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.698m [K=1.0000]
Remarks: TRP-250528SHA-01_F172
T505281

WEC AND CCEC

Test:U:120.3V I:0.3153A P:35.92W PF:0.9844 Lamp Flux:4185.54x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277M-5000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HDM277 M-5000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

r cc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	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	.244	.134	.041	.238	.131	.040	.227	.126	.039	.216	.121	.038	.206	.117	.037	
3.0	.230	.122	.037	.225	.120	.036	.215	.116	.035	.206	.113	.035	.197	.109	.034	
4.0	.216	.112	.033	.211	.111	.033	.203	.107	.032	.195	.104	.032	.187	.102	.031	
5.0	.203	.103	.030	.199	.102	.030	.191	.099	.029	.184	.097	.029	.177	.095	.028	
6.0	.191	.096	.027	.187	.094	.027	.180	.092	.027	.173	.090	.027	.167	.088	.026	
7.0	.179	.089	.025	.176	.088	.025	.170	.086	.025	.164	.084	.024	.159	.082	.024	
8.0	.169	.083	.023	.166	.082	.023	.161	.080	.023	.155	.079	.023	.150	.077	.023	
9.0	.160	.077	.022	.157	.077	.021	.152	.075	.021	.147	.074	.021	.143	.073	.021	
10.0	.151	.073	.020	.149	.072	.020	.144	.071	.020	.140	.070	.020	.136	.068	.020	

r cc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.178	.158	.140	.152	.136	.121	.104	.093	.083	.060	.054	.049	.019	.017	.016	
2.0	.167	.134	.105	.143	.115	.091	.098	.080	.063	.057	.046	.037	.018	.015	.012	
3.0	.158	.116	.081	.136	.100	.071	.093	.069	.050	.054	.040	.029	.017	.013	.010	
4.0	.150	.102	.065	.129	.088	.056	.089	.061	.040	.051	.036	.023	.016	.012	.008	
5.0	.143	.091	.053	.123	.079	.046	.084	.055	.032	.049	.032	.019	.016	.011	.006	
6.0	.136	.082	.044	.117	.071	.038	.081	.050	.027	.047	.029	.016	.015	.010	.005	
7.0	.130	.075	.037	.111	.065	.033	.077	.046	.023	.045	.027	.014	.014	.009	.005	
8.0	.124	.069	.032	.106	.060	.028	.074	.042	.020	.043	.025	.012	.014	.008	.004	
9.0	.118	.065	.028	.102	.056	.025	.070	.039	.018	.041	.023	.010	.013	.008	.003	
10.0	.113	.060	.025	.097	.052	.022	.068	.037	.016	.039	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2025-05-28

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.698m [K=1.0000]
Remarks: TRP-250528SHA-01_F172
T505281

UGR(Unified Glare Rating) Table

Test:U:120.3V I:0.3153A P:35.92W PF:0.9844 Lamp Flux:4185.54x1 lm										
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277M-5000K								WEIGHT:		
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HDM277 M-5000K								SERIAL No.:01		
MFR.: GREEN CREATIVE					SUR.:			PROTECTION 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	22.6	23.9	22.8	24.1	24.3	22.3	23.6	22.6	23.8	24.0
3H	23.0	24.2	23.3	24.4	24.7	22.7	23.9	23.0	24.2	24.4
4H	23.2	24.4	23.5	24.6	24.8	22.9	24.1	23.2	24.3	24.6
6H	23.4	24.5	23.7	24.7	25.0	23.1	24.2	23.5	24.5	24.8
8H	23.5	24.5	23.8	24.8	25.1	23.2	24.2	23.5	24.5	24.8
12H	23.5	24.5	23.8	24.8	25.1	23.2	24.2	23.5	24.5	24.8
4H 2H	22.7	23.9	23.0	24.1	24.4	22.5	23.6	22.8	23.9	24.1
3H	23.3	24.3	23.6	24.6	24.9	23.1	24.1	23.4	24.3	24.6
4H	23.6	24.5	24.0	24.8	25.2	23.4	24.3	23.8	24.6	25.0
6H	24.0	24.8	24.3	25.1	25.5	23.7	24.5	24.1	24.9	25.2
8H	24.1	24.8	24.5	25.2	25.6	23.8	24.6	24.2	24.9	25.3
12H	24.1	24.8	24.6	25.2	25.6	23.9	24.6	24.3	24.9	25.3
8H 4H	23.7	24.5	24.1	24.8	25.2	23.5	24.3	23.9	24.6	25.0
6H	24.2	24.8	24.6	25.2	25.6	23.9	24.6	24.4	25.0	25.4
8H	24.4	24.9	24.8	25.3	25.8	24.1	24.7	24.6	25.1	25.5
12H	24.5	25.0	25.0	25.4	25.9	24.2	24.7	24.7	25.1	25.6
12H 4H	23.7	24.4	24.1	24.8	25.2	23.5	24.2	23.9	24.6	25.0
6H	24.2	24.7	24.7	25.2	25.6	24.0	24.5	24.4	24.9	25.4
8H	24.4	24.9	24.9	25.3	25.8	24.2	24.6	24.7	25.1	25.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.6					+ 0.5 / - 0.7				
1.5H	+ 0.3 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 1.2 / - 1.3					+ 1.1 / - 1.2				

CIE Pub.117 Corrected 4186 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.0)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2025-05-28

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.698m [K=1.0000]
Remarks: TRP-250528SHA-01_F172
T505281

UTILIZATION FACTORS TABLE

Test:U:120.3V I:0.3153A P:35.92W PF:0.9844 Lamp Flux:4185.54x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-5000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-5000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION 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	66	56	50	65	55	49	64	55	49	44
0.80	76	66	60	75	65	59	73	65	59	53
1.00	84	75	68	83	74	68	81	75	68	62
1.25	90	82	76	89	81	75	86	80	75	68
1.50	95	87	81	93	86	80	90	84	79	73
2.00	100	93	88	99	92	87	95	90	86	79
2.50	103	97	92	101	96	91	98	93	89	82
3.00	106	100	96	104	99	95	100	96	93	85
4.00	109	104	101	107	103	99	103	99	97	88
5.00	111	107	104	109	105	102	104	101	99	90
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2025-05-28

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.698m [K=1.0000]
Remarks: TRP-250528SHA-01_F172
T505281

ISOCANDELA DIAGRAM

Test:U:120.3V I:0.3153A P:35.92W PF:0.9844 Lamp Flux:4185.54x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-5000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-5000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

2891.1 lm

%lum = 69.1%

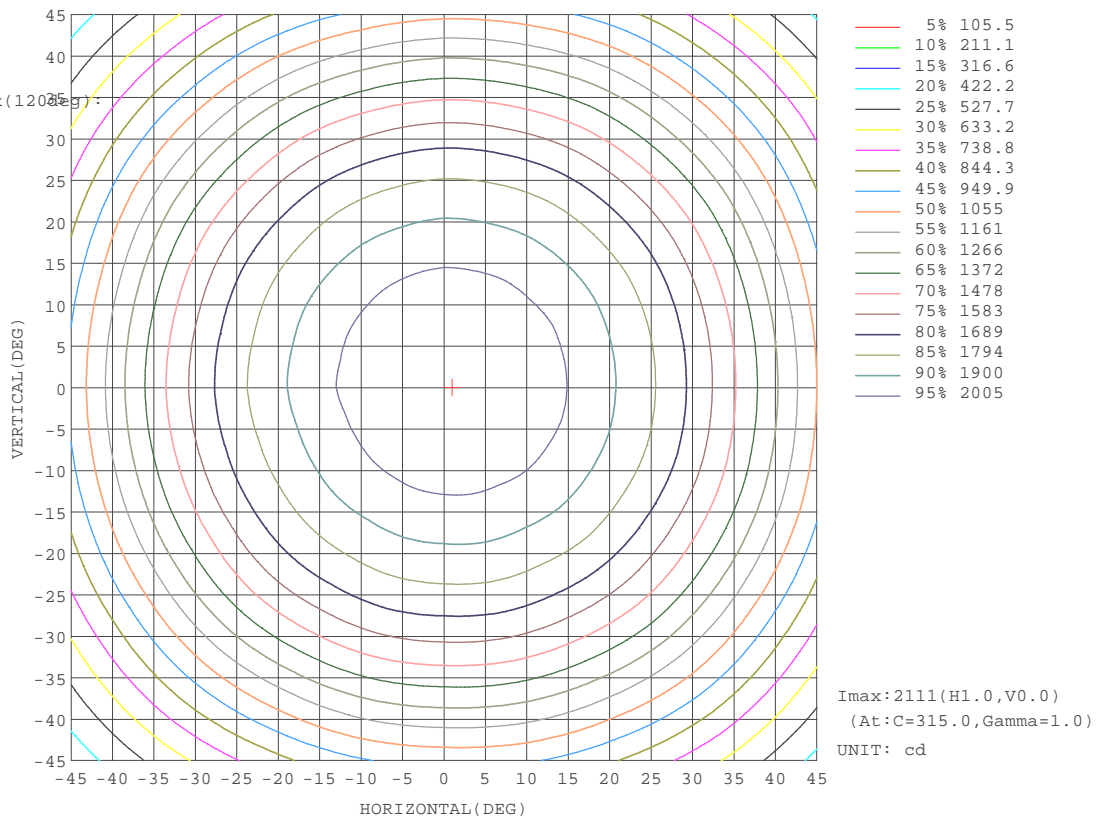
%lamp = 69.1%

Conical surface Flux(120deg):

3764.8 lm

%lum = 89.9%

%lamp = 89.9%



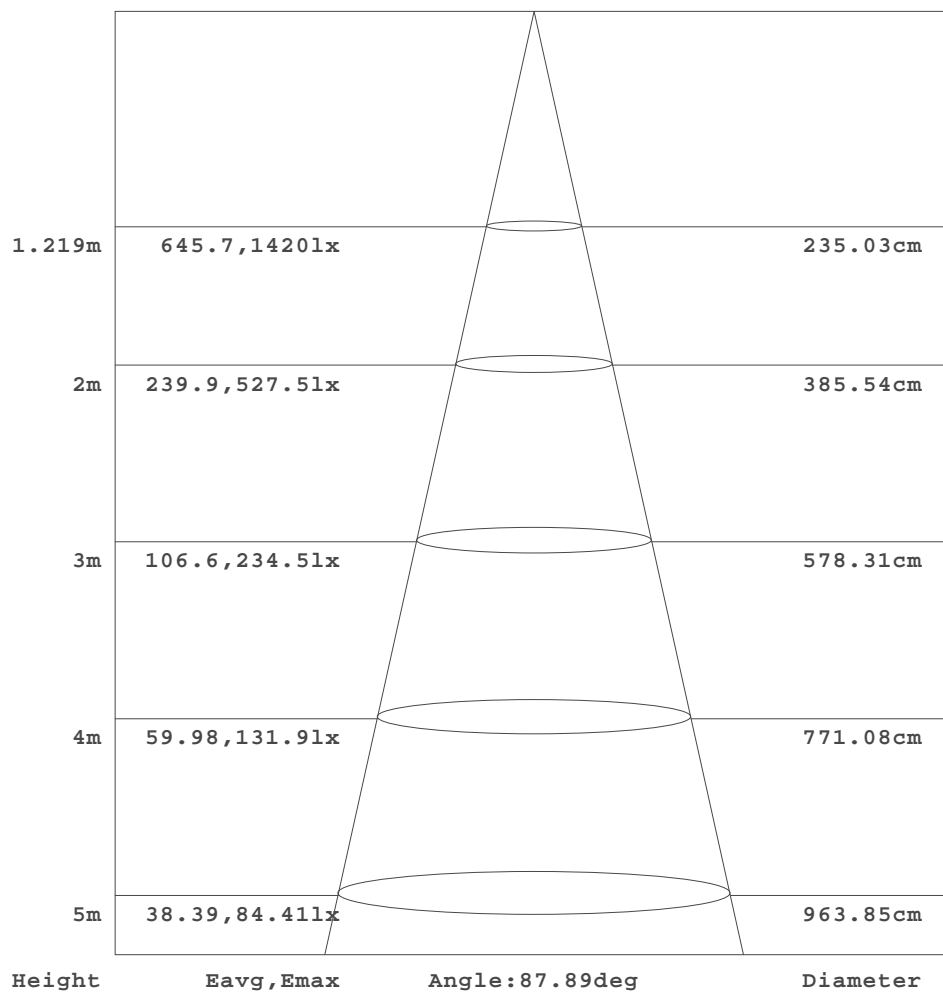
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2025-05-28

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.698m [K=1.0000]
Remarks: TRP-250528SHA-01_F172
T505281

AAI Figure

Test:U:120.3V I:0.3153A P:35.92W PF:0.9844 Lamp Flux:4185.54x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-5000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-5000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:2812 lm



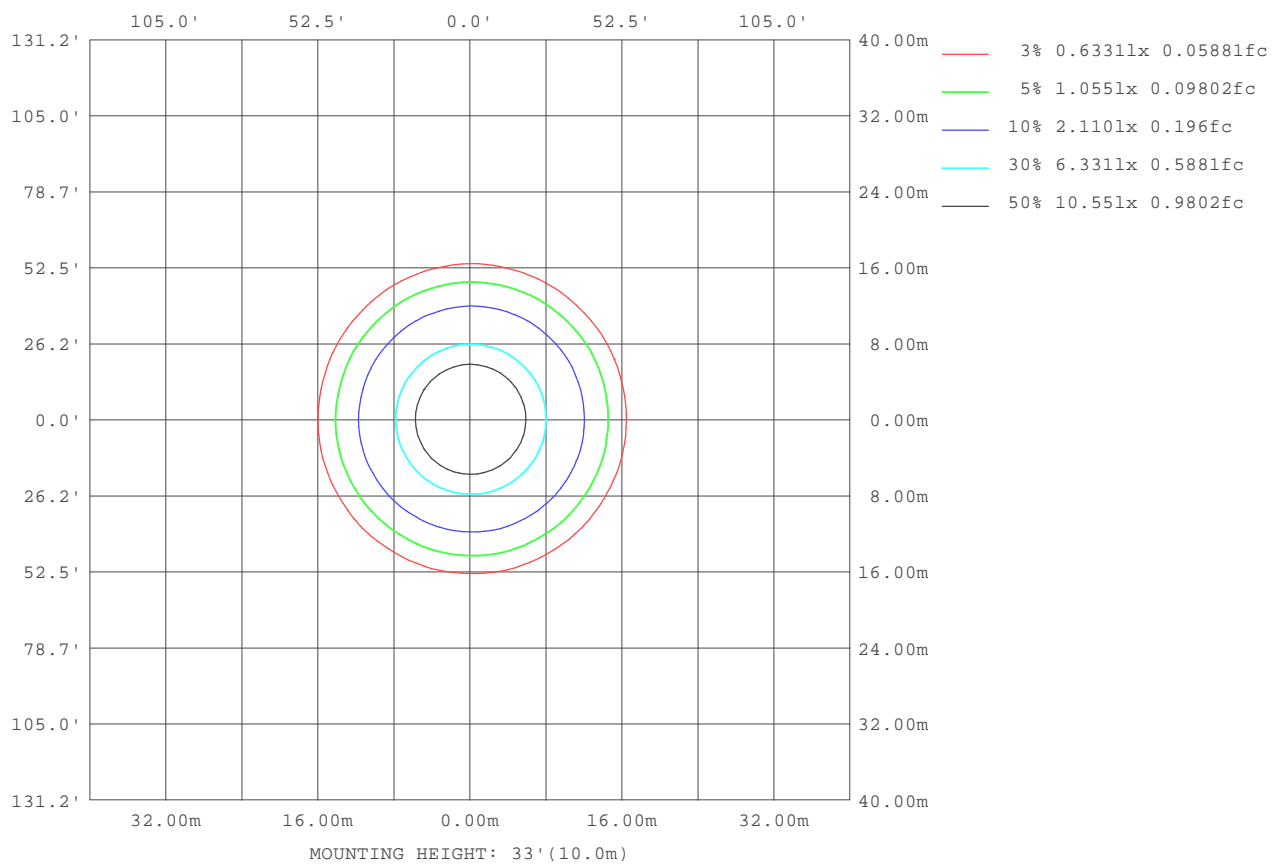
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Aaron
 Test Date: 2025-05-28

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 10.698m [K=1.0000]
 Remarks: TRP-250528SHA-01_F172
 T505281

ISOLUX DIAGRAM

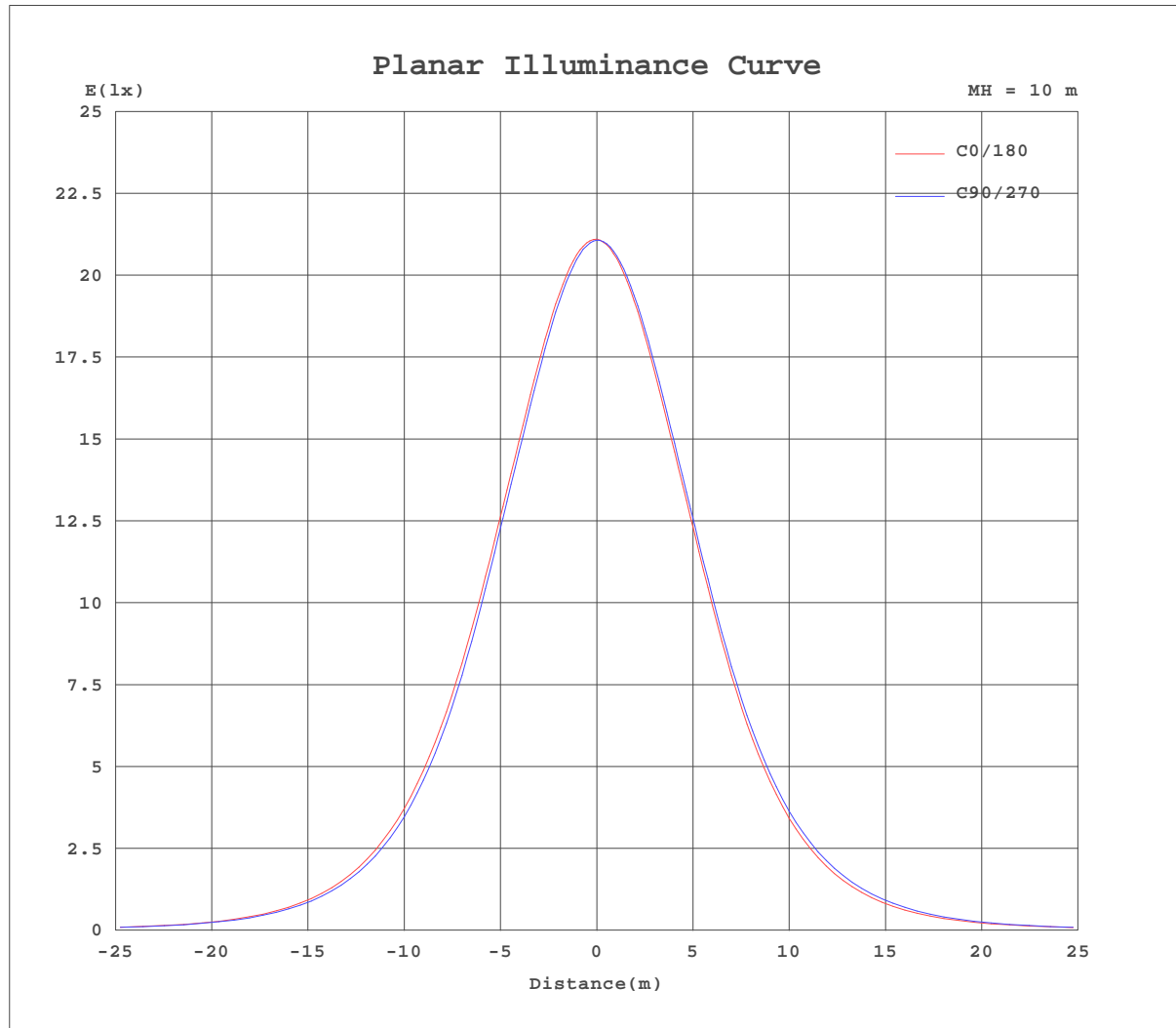
Test:U:120.3V I:0.3153A P:35.92W PF:0.9844 Lamp Flux:4185.54x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-5000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-5000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Aaron
 Test Date: 2025-05-28

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 10.698m [K=1.0000]
 Remarks: TRP-250528SHA-01_F172
 T505281

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Aaron
Test Date: 2025-05-28

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Humidity: 65.0%
Test Distance: 10.698m [K=1.0000]
Remarks: TRP-250528SHA-01_F172
T505281