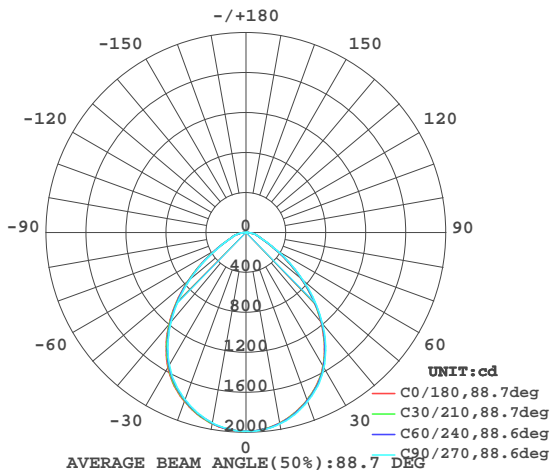


## LUMINAIRE PHOTOMETRIC TEST REPORT

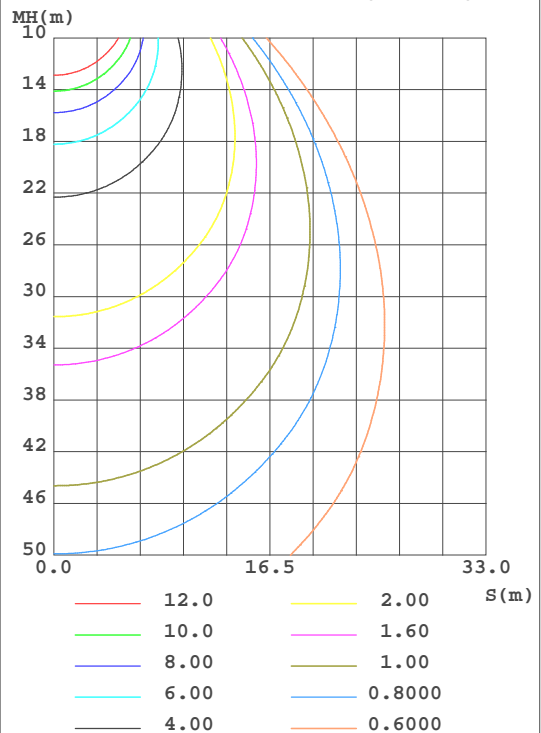
Test:U:120.4V I:0.3019A P:35.85W PF:0.9847 Lamp Flux:3961.81x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-2700K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-2700K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 110.51 lm/W			
MODEL		Imax(cd)	1991	S/MH(C0/180)	1.16
NOMINAL POWER(W)	37	LOR(%)	100.0	S/MH(C90/270)	1.17
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3961.8	h UP,DN(C0-180)	0.1,49.8
NOMINAL FLUX(lm)	3961.81	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.1,50.1
LAMPS INSIDE	1	h up(%)	0.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	h down(%)	99.8	CIBSE SHR MAX	1.25

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



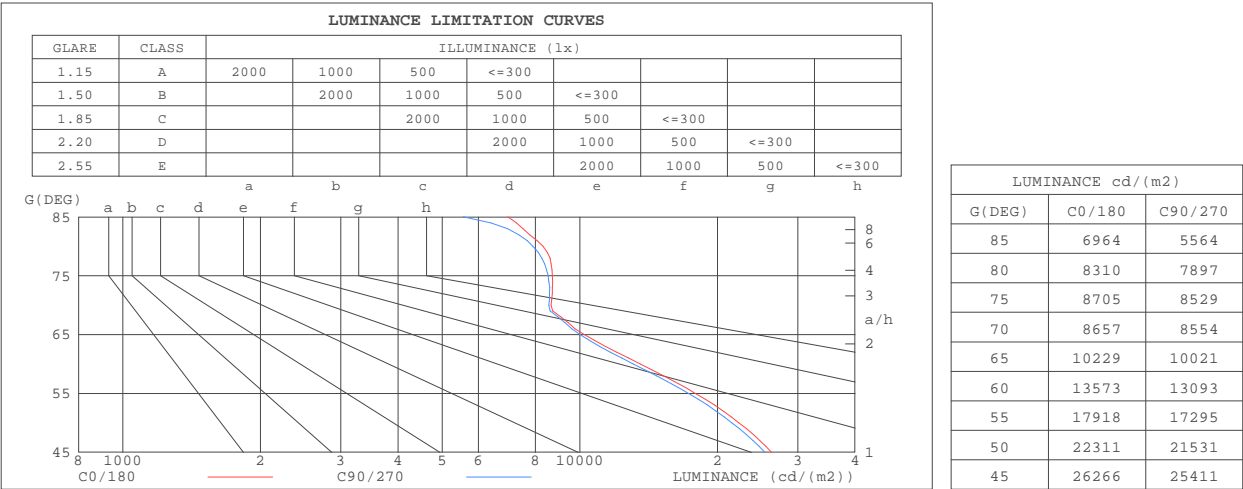
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2025-05-28

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

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	1944	1941	1934	1933	1936	1939	1945	1946	0- 10	187.5	187.5	4.73
20	1799	1792	1779	1778	1785	1789	1800	1805	10- 20	528.5	716.0	18.1
30	1562	1551	1533	1533	1542	1548	1562	1566	20- 30	774.4	1490	37.6
40	1200	1190	1166	1164	1169	1174	1192	1200	30- 40	858.6	2349	59.3
50	759.3	753.2	733.9	727.6	725.7	728.6	751.4	758.9	40- 50	741.9	3091	78
60	359.3	355.7	347.1	341.7	335.9	341.9	358.2	359.0	50- 60	477.4	3568	90.1
70	156.8	157.1	155.1	154.9	152.3	150.6	153.2	154.9	60- 70	230.6	3799	95.9
80	76.41	76.82	72.71	73.66	73.64	71.90	73.58	73.99	70- 80	122.5	3921	99
90	0.0456	0	0	0	0	0	0	0	80- 90	32.92	3954	99.8
100	0	0	0	0	0	0	0	0	90-100	0.0003	3954	99.8
110	0	0.0626	0.0061	0.0751	0.1386	0.0678	0.1127	0.0424	100-110	0.0074	3954	99.8
120	0.5105	0.5632	0.5240	0.6007	0.6888	0.6299	0.6443	0.5866	110-120	0.3036	3955	99.8
130	1.242	1.287	1.268	1.341	1.469	1.399	1.403	1.355	120-130	0.8473	3956	99.8
140	2.138	2.175	2.168	2.246	2.374	2.298	2.309	2.262	130-140	1.378	3957	99.9
150	3.015	3.069	3.061	3.139	3.235	3.159	3.172	3.138	140-150	1.684	3959	99.9
160	3.745	3.804	3.794	3.871	3.927	3.859	3.883	3.851	150-160	1.611	3960	100
170	4.251	4.304	4.289	4.352	4.376	4.309	4.358	4.339	160-170	1.157	3961	100
180	4.464	4.478	4.464	4.502	4.470	4.459	4.477	4.502	170-180	0.4212	3962	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



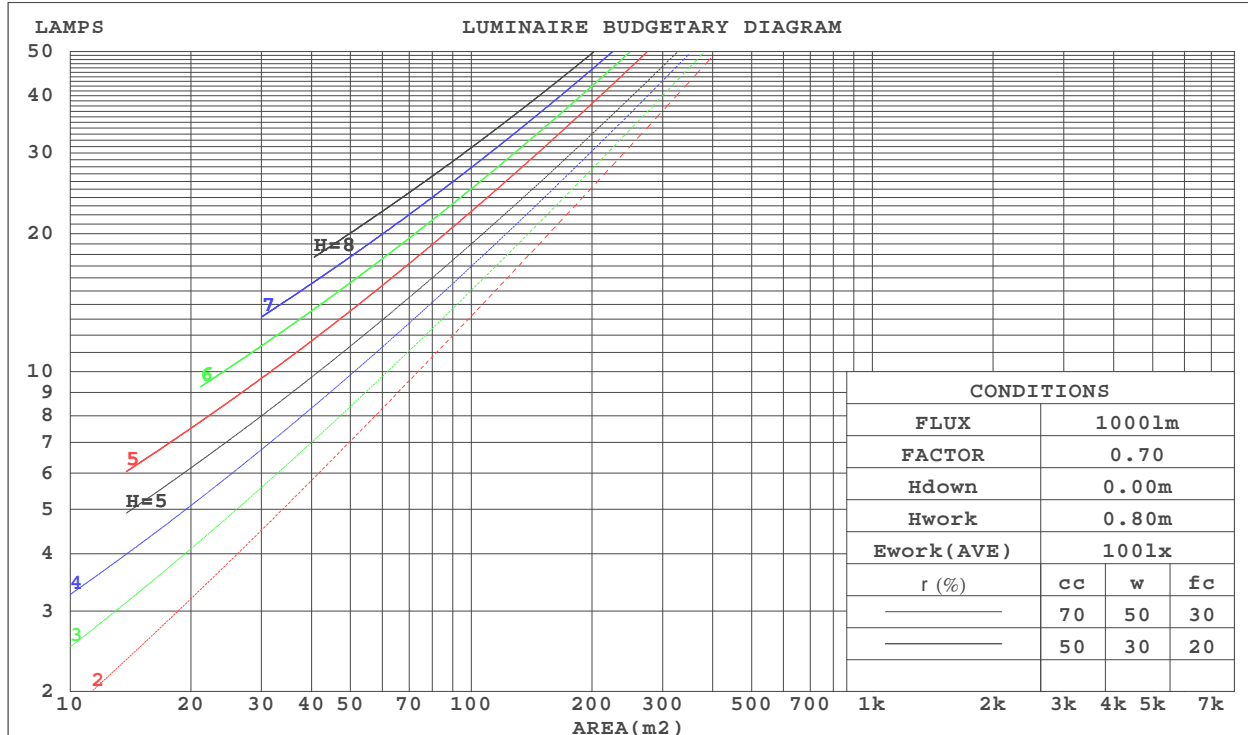
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2025-05-28

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:120.4V I:0.3019A P:35.85W PF:0.9847 Lamp Flux:3961.81x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277M-2700K		WEIGHT:
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HDM277 M-2700K		SERIAL No.:01
MFR.: GREEN CREATIVE		PROTECTION ANGLE:
SUR.:		

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:120.4V I:0.3019A P:35.85W PF:0.9847 Lamp Flux:3961.81x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277M-2700K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277 M-2700K	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	.210	.122	.039	
2.0	.244	.133	.041	.238	.131	.040	.226	.126	.039	.216	.121	.038	.206	.117	.037	
3.0	.230	.122	.037	.225	.120	.036	.215	.116	.035	.205	.113	.035	.197	.109	.034	
4.0	.216	.112	.033	.211	.111	.033	.202	.107	.032	.194	.104	.031	.187	.101	.031	
5.0	.203	.103	.030	.198	.102	.030	.191	.099	.029	.183	.097	.029	.177	.094	.028	
6.0	.190	.095	.027	.187	.094	.027	.180	.092	.027	.173	.090	.026	.167	.088	.026	
7.0	.179	.089	.025	.176	.088	.025	.170	.086	.025	.164	.084	.024	.158	.082	.024	
8.0	.169	.083	.023	.166	.082	.023	.160	.080	.023	.155	.079	.023	.150	.077	.022	
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	.115	.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	.129	.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	.064	.028	.102	.056	.025	.070	.039	.018	.041	.023	.010	.013	.008	.003		
10.0	.113	.060	.025	.097	.052	.022	.067	.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:120.4V I:0.3019A P:35.85W PF:0.9847 Lamp Flux:3961.81x1 lm										
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277M-2700K								WEIGHT:		
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HDM277 M-2700K								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	22.2	23.5	22.5	23.7	23.9	22.1	23.4	22.3	23.6	23.8
3H	22.6	23.8	22.9	24.1	24.3	22.5	23.7	22.8	23.9	24.2
4H	22.8	24.0	23.2	24.2	24.5	22.7	23.9	23.0	24.1	24.4
6H	23.1	24.1	23.4	24.4	24.7	22.9	24.0	23.2	24.3	24.5
8H	23.1	24.2	23.5	24.4	24.7	23.0	24.0	23.3	24.3	24.6
12H	23.2	24.2	23.5	24.5	24.7	23.0	24.0	23.3	24.3	24.6
4H 2H	22.3	23.5	22.6	23.7	24.0	22.2	23.4	22.5	23.6	23.9
3H	22.9	23.9	23.3	24.2	24.5	22.8	23.8	23.2	24.1	24.4
4H	23.3	24.2	23.6	24.5	24.8	23.2	24.1	23.5	24.4	24.7
6H	23.6	24.4	24.0	24.8	25.1	23.5	24.3	23.9	24.7	25.0
8H	23.8	24.5	24.2	24.9	25.2	23.6	24.4	24.0	24.7	25.1
12H	23.8	24.5	24.3	24.9	25.3	23.7	24.4	24.1	24.7	25.1
8H 4H	23.4	24.1	23.8	24.5	24.9	23.3	24.0	23.7	24.4	24.8
6H	23.9	24.5	24.3	24.9	25.3	23.7	24.4	24.2	24.8	25.2
8H	24.1	24.6	24.5	25.0	25.5	23.9	24.5	24.4	24.9	25.3
12H	24.2	24.7	24.7	25.1	25.6	24.0	24.5	24.5	24.9	25.4
12H 4H	23.4	24.1	23.8	24.4	24.8	23.3	24.0	23.7	24.3	24.7
6H	23.9	24.4	24.3	24.9	25.3	23.8	24.3	24.2	24.7	25.2
8H	24.1	24.6	24.6	25.0	25.5	24.0	24.4	24.5	24.9	25.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.7					+ 0.6 / - 0.7				
1.5H	+ 0.3 / - 0.3					+ 0.3 / - 0.3				
2.0H	+ 1.3 / - 1.3					+ 1.2 / - 1.3				

CIE Pub.117 Corrected 3962 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.8)

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:120.4V I:0.3019A P:35.85W PF:0.9847 Lamp Flux:3961.81x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-2700K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-2700K	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	56	50	64	55	49	44
0.80	76	66	60	75	66	60	73	65	59	53
1.00	84	75	69	83	74	68	81	75	68	62
1.25	90	82	76	89	81	76	87	80	75	69
1.50	95	87	81	93	86	81	90	84	79	73
2.00	100	93	88	99	92	88	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:120.4V I:0.3019A P:35.85W PF:0.9847 Lamp Flux:3961.81x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-2700K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-2700K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

2746.5 lm

%lum = 69.3%

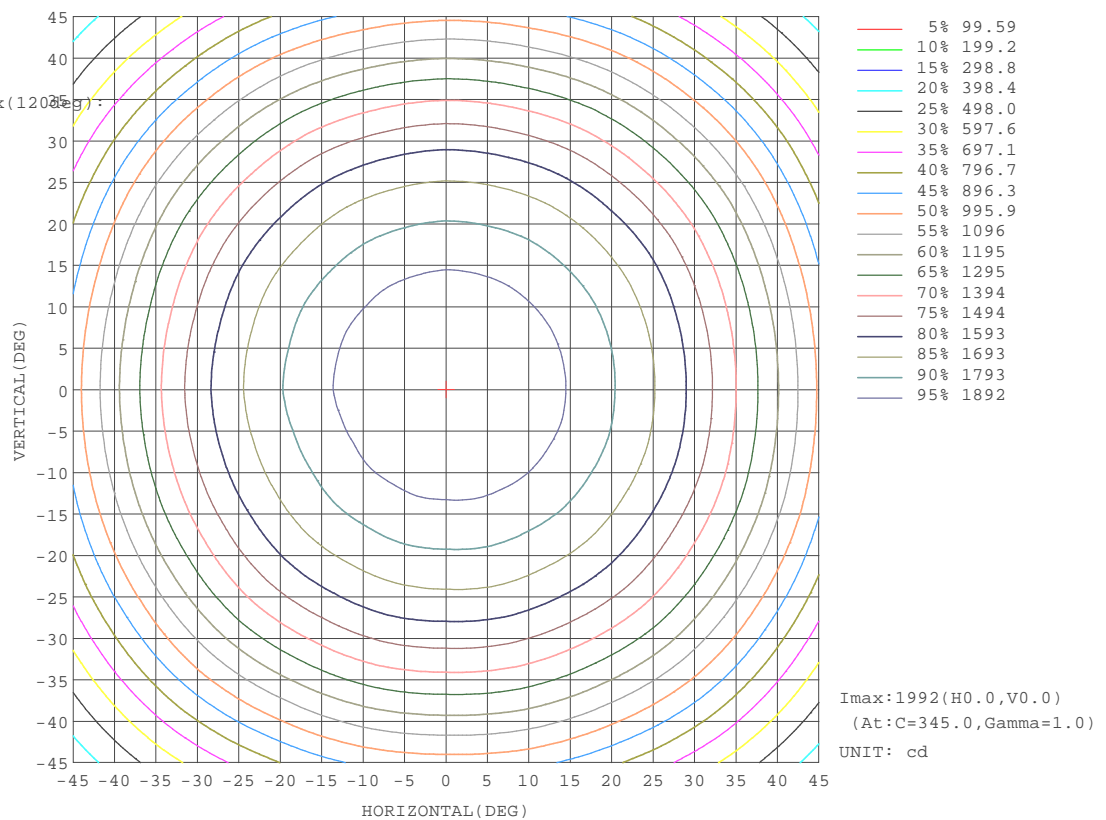
%lamp = 69.3%

Conical surface Flux(120deg):

3568.4 lm

%lum = 90.1%

%lamp = 90.1%



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]

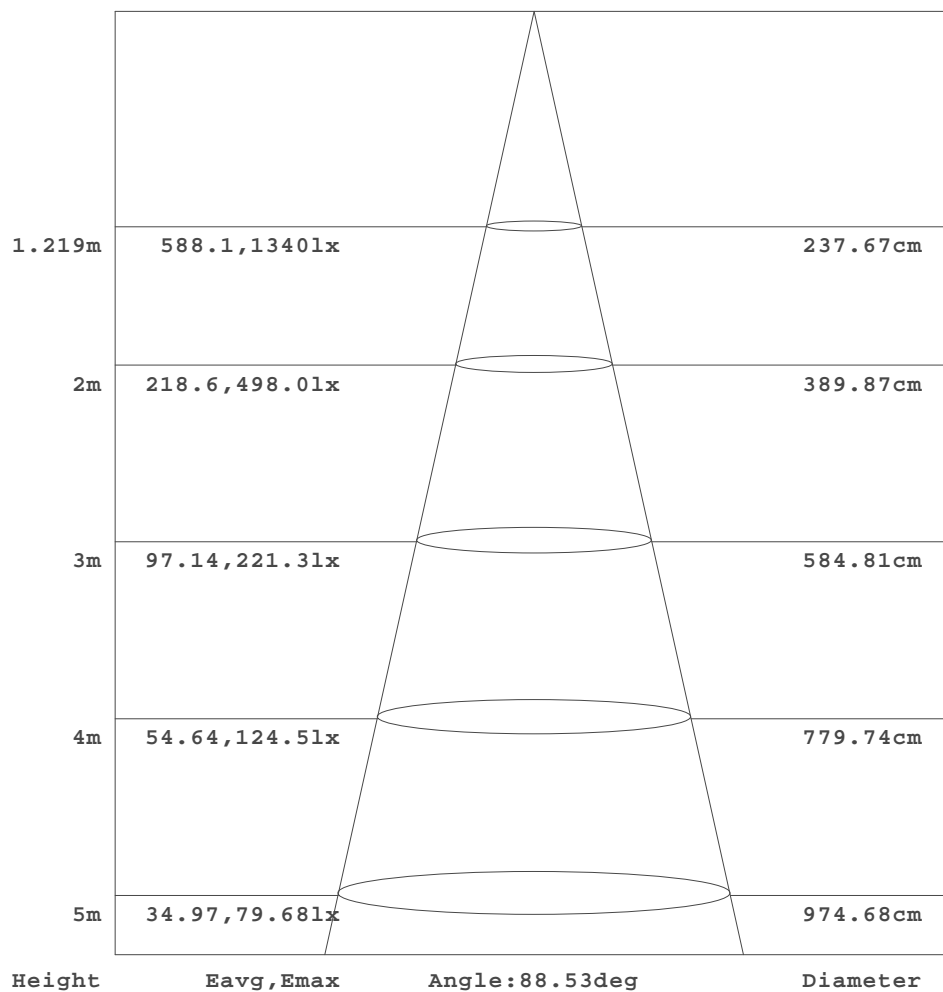
Remarks: TRP-250528SHA-01\_F172

T505281

### AAI Figure

Test:U:120.4V I:0.3019A P:35.85W PF:0.9847 Lamp Flux:3961.81x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277 M-2700K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277 M-2700K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:2747 lm



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

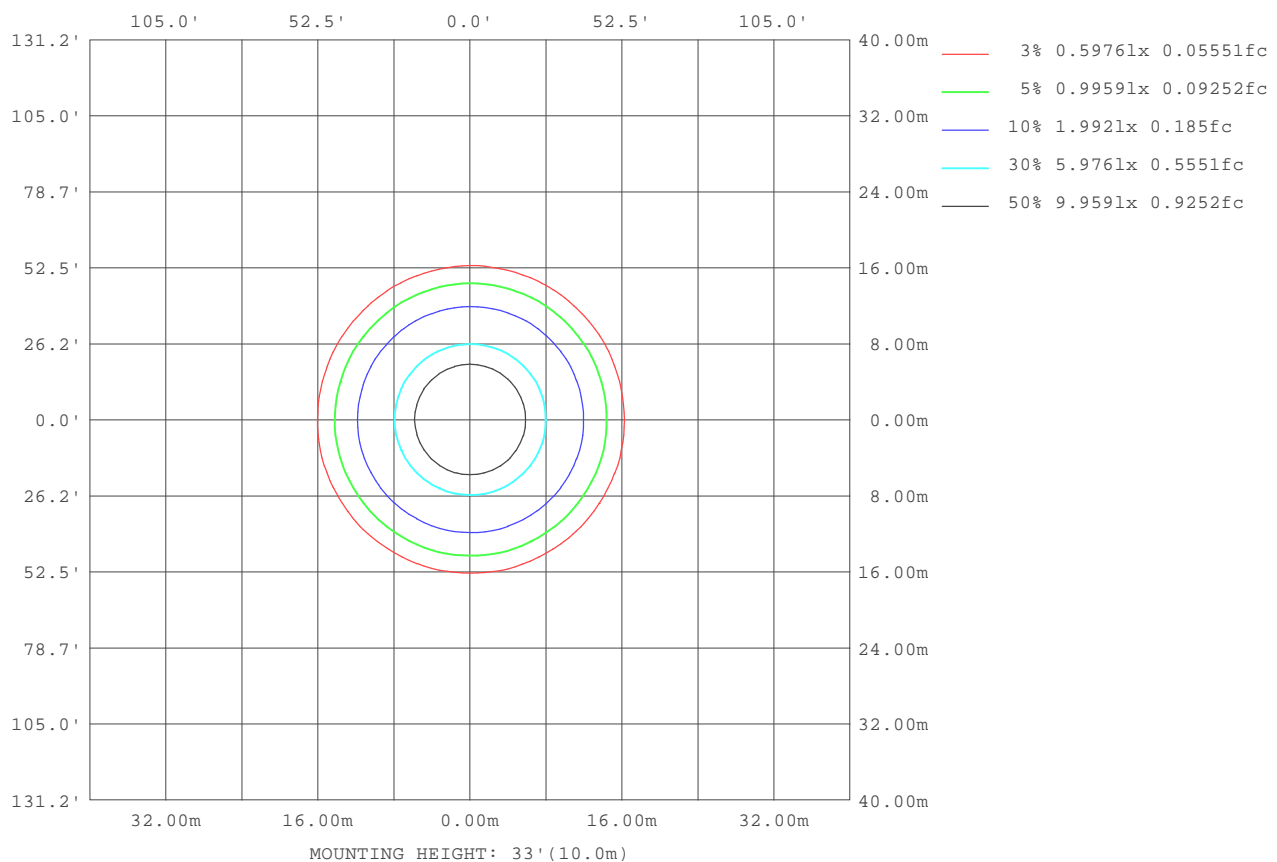
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Aaron  
 Test Date: 2025-05-28

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

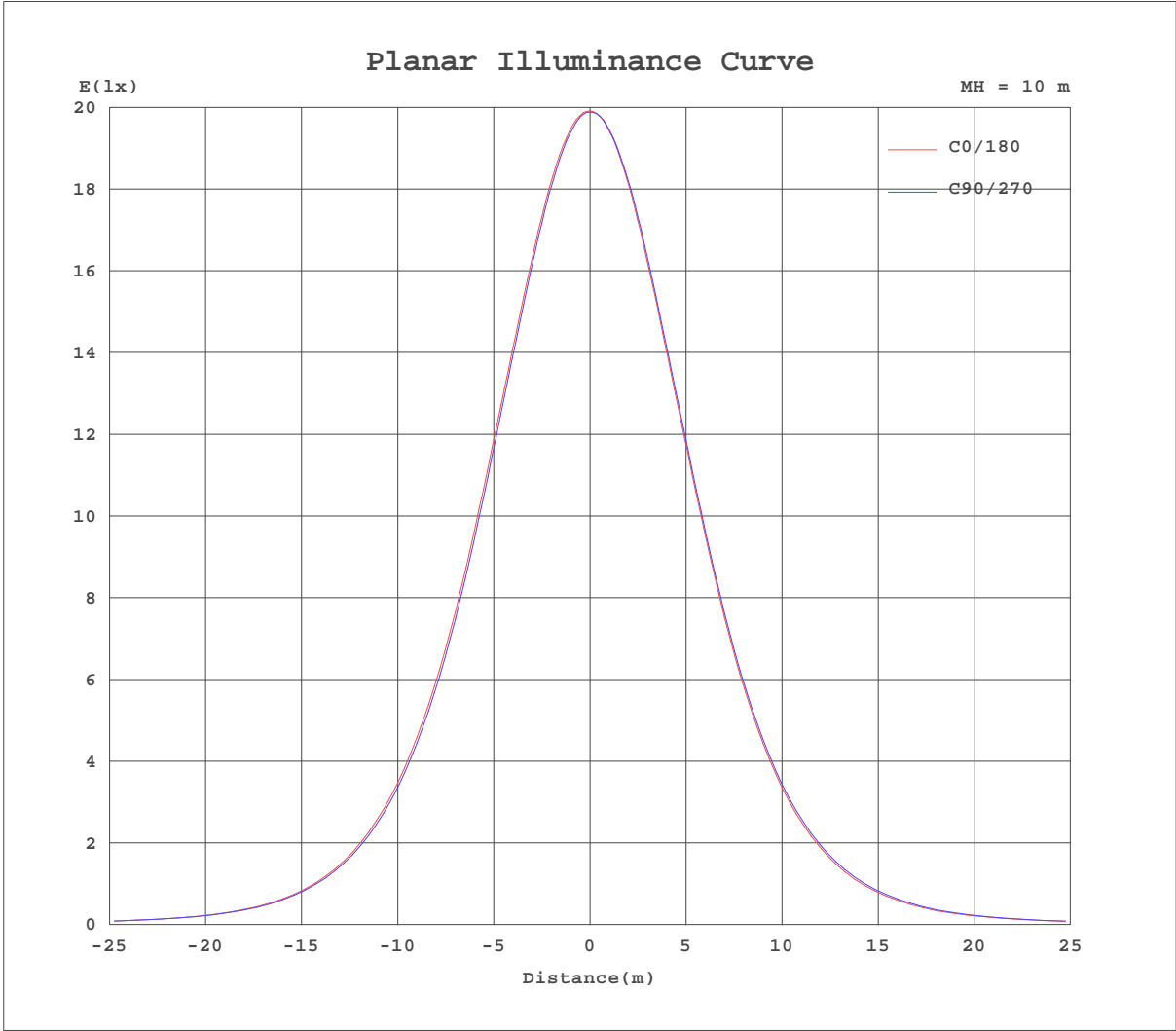
Test:U:120.4V I:0.3019A P:35.85W PF:0.9847 Lamp Flux:3961.81x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-2700K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-2700K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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