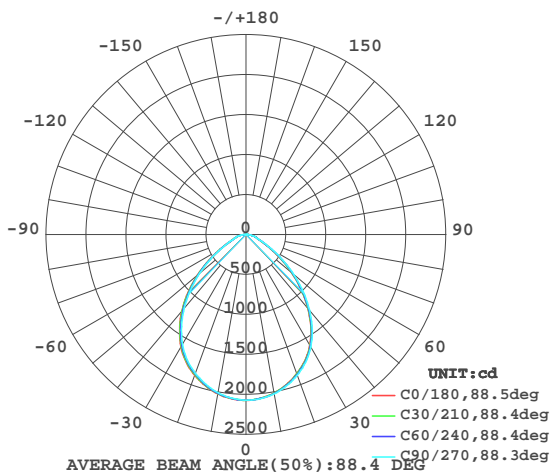


## LUMINAIRE PHOTOMETRIC TEST REPORT

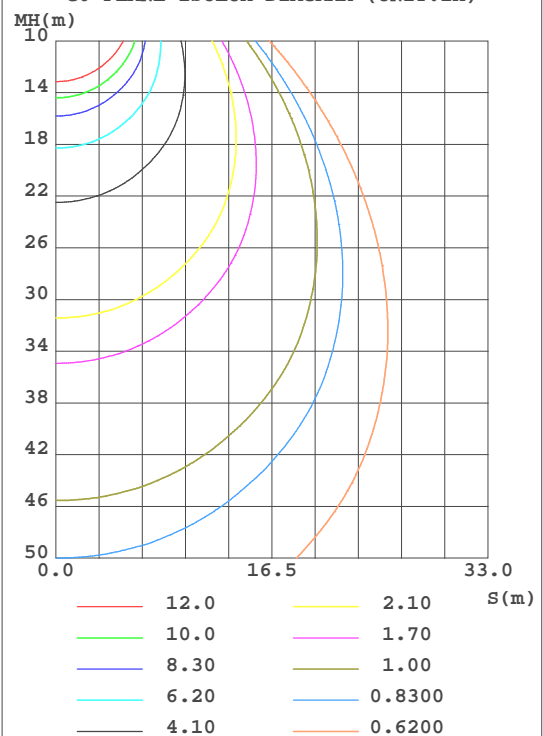
Test:U:120.4V I:0.2978A P:35.29W PF:0.9842 Lamp Flux:4121.37x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277M-3500K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-3500K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 116.80 lm/W			
MODEL		Imax(cd)	2074	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)	4121.4	h UP,DN(C0-180)	0.1,49.7
NOMINAL FLUX(lm)	4121.37	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)



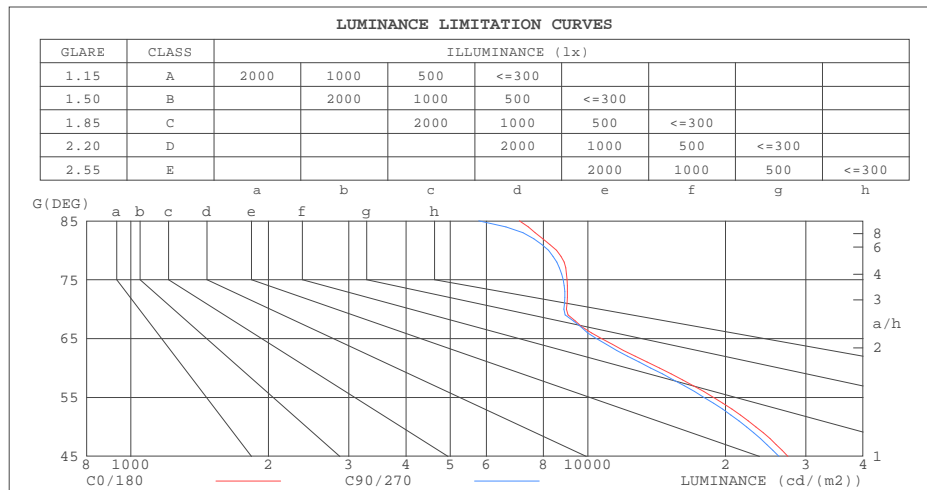
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2025-05-28

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	2025	2023	2010	2010	2016	2019	2025	2031	0~ 10	195.3	195.3	4.74
20	1876	1867	1849	1845	1855	1862	1876	1884	10~ 20	550.0	745.3	18.1
30	1626	1616	1589	1588	1599	1608	1624	1635	20~ 30	805.4	1551	37.6
40	1249	1238	1202	1197	1206	1214	1239	1254	30~ 40	890.7	2441	59.2
50	794.0	787.4	758.3	745.9	749.1	755.4	786.9	800.5	40~ 50	769.0	3210	77.9
60	379.8	377.0	363.7	358.2	355.1	360.0	381.4	384.0	50~ 60	499.7	3710	90
70	162.7	163.7	160.7	160.1	158.3	156.5	159.9	161.9	60~ 70	241.9	3952	95.9
80	78.50	79.85	75.44	76.31	77.25	74.57	76.70	77.22	70~ 80	127.3	4079	99
90	0.0354	0	0	0	0.0062	0	0	0	80~ 90	34.21	4114	99.8
100	0	0	0	0	0	0	0	0	90~100	0.0002	4114	99.8
110	0.0366	0.0885	0.0437	0.1263	0.1690	0.0938	0.1383	0.0683	100~110	0.0135	4114	99.8
120	0.5742	0.6137	0.5858	0.6824	0.7369	0.6736	0.6884	0.6424	110~120	0.3480	4114	99.8
130	1.334	1.359	1.374	1.465	1.562	1.485	1.463	1.430	120~130	0.9116	4115	99.8
140	2.251	2.277	2.299	2.397	2.505	2.423	2.395	2.363	130~140	1.456	4116	99.9
150	3.159	3.202	3.217	3.312	3.391	3.306	3.293	3.264	140~150	1.765	4118	99.9
160	3.927	3.965	3.979	4.073	4.103	4.038	4.044	4.033	150~160	1.685	4120	100
170	4.452	4.502	4.493	4.580	4.571	4.520	4.543	4.541	160~170	1.211	4121	100
180	4.677	4.683	4.680	4.742	4.683	4.677	4.686	4.729	170~180	0.4411	4121	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



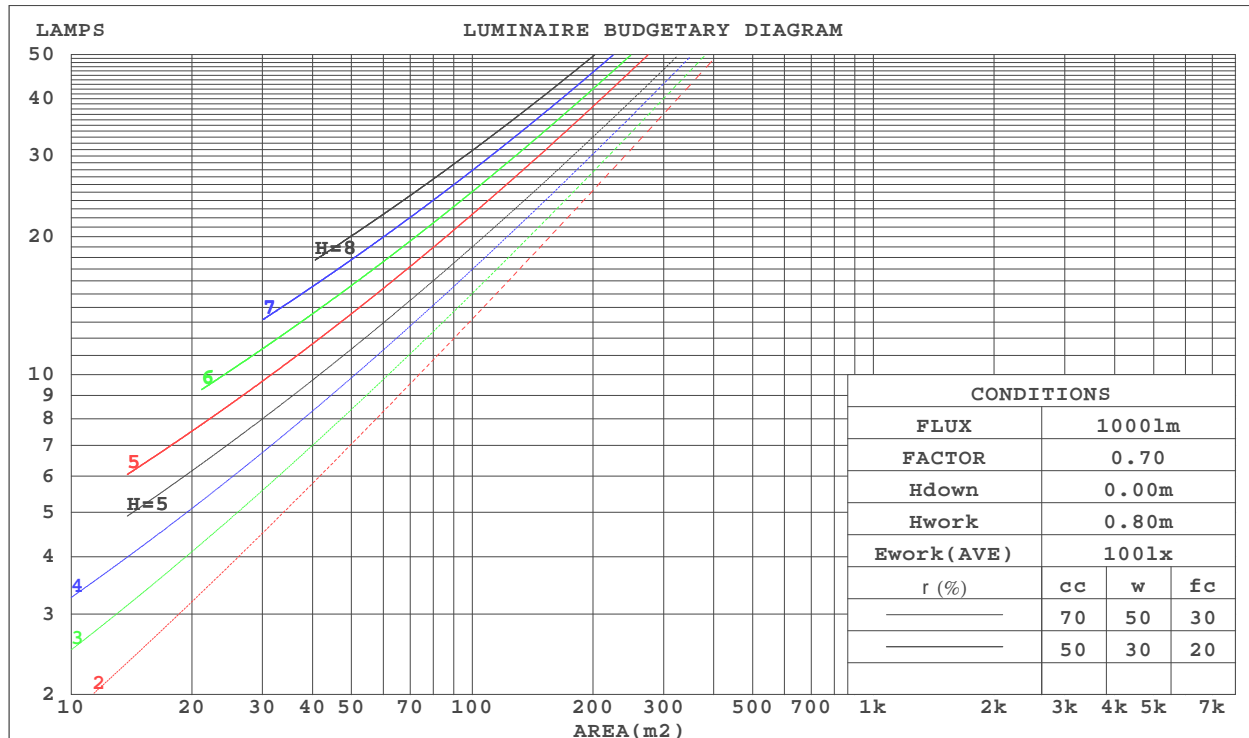
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Aaron  
Test Date: 2025-05-28

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:0.2978A P:35.29W PF:0.9842 Lamp Flux:4121.37x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277M-3500K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HDM277 M-3500K	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			Coefficients of Utilization(CU)												
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	.00
1.0	1.07	1.03	1.00	1.05	1.01	.98	1.00	.98	.95	.96	.94	.92	.93	.91	.90	.88
2.0	.95	.90	.85	.94	.88	.84	.90	.86	.82	.87	.83	.80	.84	.81	.78	.76
3.0	.86	.79	.73	.84	.78	.72	.81	.76	.71	.78	.74	.70	.76	.72	.69	.67
4.0	.77	.69	.64	.76	.69	.63	.73	.67	.62	.71	.66	.61	.69	.64	.61	.59
5.0	.70	.62	.56	.69	.61	.56	.67	.60	.55	.65	.59	.55	.63	.58	.54	.52
6.0	.64	.56	.50	.63	.55	.50	.61	.54	.49	.59	.53	.49	.58	.53	.48	.47
7.0	.58	.50	.45	.57	.50	.45	.56	.49	.44	.55	.48	.44	.53	.48	.44	.42
8.0	.54	.46	.40	.53	.45	.40	.52	.45	.40	.50	.44	.40	.49	.44	.40	.38
9.0	.49	.42	.37	.49	.42	.37	.48	.41	.36	.47	.41	.36	.46	.40	.36	.34
10.0	.46	.39	.34	.45	.38	.34	.44	.38	.33	.43	.37	.33	.43	.37	.33	.32



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:0.2978A P:35.29W PF:0.9842 Lamp Flux:4121.37x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-3500K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-3500K	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	.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	.203	.107	.032	.194	.104	.031	.187	.101	.031	
5.0	.203	.103	.030	.199	.102	.030	.191	.099	.029	.184	.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	.159	.082	.024	
8.0	.169	.083	.023	.166	.082	.023	.161	.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	.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	.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:0.2978A P:35.29W PF:0.9842 Lamp Flux:4121.37x1 lm										
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277M-3500K							WEIGHT:			
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HDM277 M-3500K							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	22.4	23.7	22.7	23.9	24.1	22.2	23.6	22.5	23.7	23.9
3H	22.8	24.0	23.1	24.3	24.5	22.6	23.9	22.9	24.1	24.3
4H	23.0	24.2	23.3	24.4	24.7	22.9	24.0	23.2	24.3	24.5
6H	23.2	24.3	23.6	24.6	24.9	23.1	24.2	23.4	24.4	24.7
8H	23.3	24.4	23.6	24.6	24.9	23.1	24.2	23.5	24.4	24.7
12H	23.3	24.3	23.7	24.6	24.9	23.1	24.1	23.5	24.4	24.7
4H 2H	22.5	23.7	22.8	23.9	24.2	22.4	23.5	22.7	23.8	24.0
3H	23.1	24.1	23.5	24.4	24.7	23.0	24.0	23.3	24.3	24.6
4H	23.5	24.4	23.8	24.7	25.0	23.3	24.2	23.7	24.6	24.9
6H	23.8	24.6	24.2	25.0	25.3	23.7	24.5	24.0	24.8	25.2
8H	23.9	24.7	24.3	25.0	25.4	23.8	24.5	24.2	24.9	25.3
12H	24.0	24.7	24.4	25.1	25.5	23.8	24.5	24.2	24.9	25.3
8H 4H	23.6	24.3	24.0	24.7	25.1	23.4	24.2	23.8	24.5	24.9
6H	24.0	24.6	24.5	25.1	25.5	23.9	24.5	24.3	24.9	25.3
8H	24.2	24.8	24.7	25.2	25.6	24.1	24.6	24.5	25.0	25.5
12H	24.4	24.8	24.8	25.3	25.8	24.2	24.6	24.6	25.1	25.6
12H 4H	23.6	24.2	24.0	24.6	25.0	23.4	24.1	23.9	24.5	24.9
6H	24.1	24.6	24.5	25.0	25.5	23.9	24.5	24.4	24.9	25.3
8H	24.3	24.7	24.8	25.2	25.7	24.1	24.6	24.6	25.0	25.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.7					+ 0.5 / - 0.7				
1.5H	+ 0.3 / - 0.3					+ 0.3 / - 0.3				
2.0H	+ 1.2 / - 1.3					+ 1.2 / - 1.2				

CIE Pub.117 Corrected 4121 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.9)

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

## UTILIZATION FACTORS TABLE

Test:U:120.4V I:0.2978A P:35.29W PF:0.9842 Lamp Flux:4121.37x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-3500K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-3500K	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	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	75	87	80	75	68
1.50	95	87	81	93	86	81	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:120.4V I:0.2978A P:35.29W PF:0.9842 Lamp Flux:4121.37x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-3500K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-3500K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

2853.1 lm

%lum = 69.2%

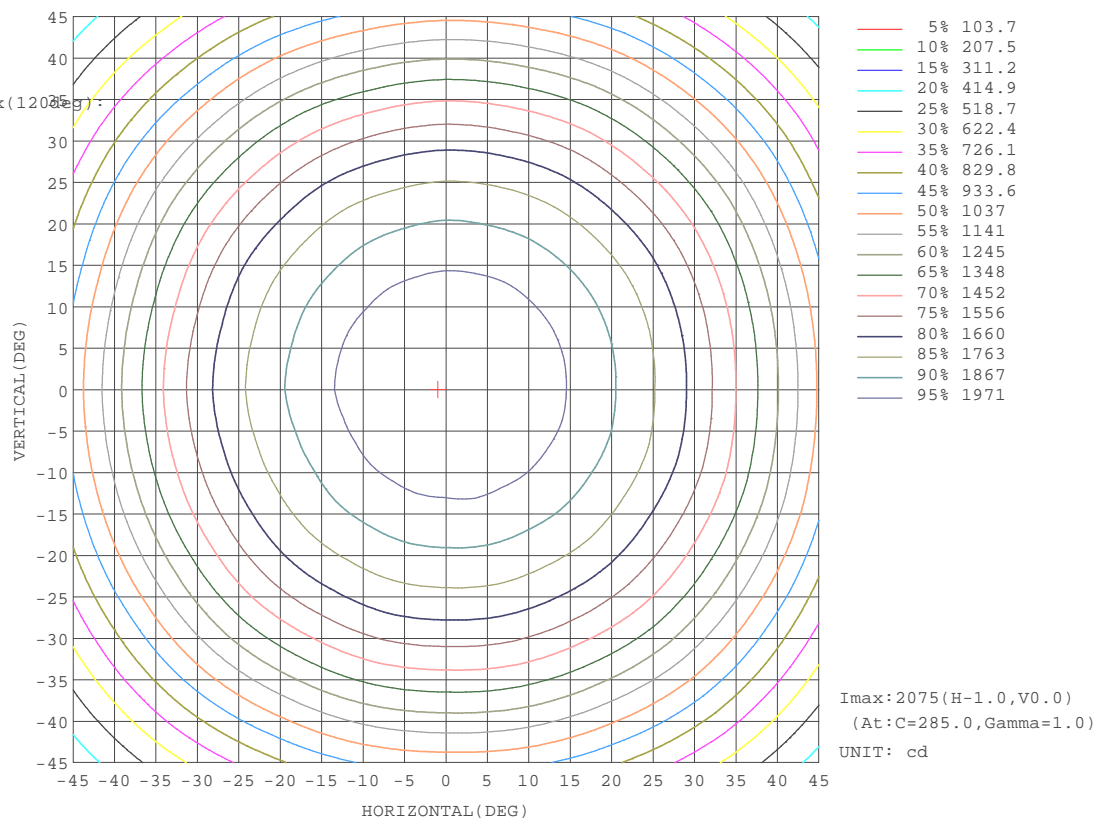
%lamp = 69.2%

Conical surface Flux(120deg):

3710.1 lm

%lum = 90.0%

%lamp = 90.0%



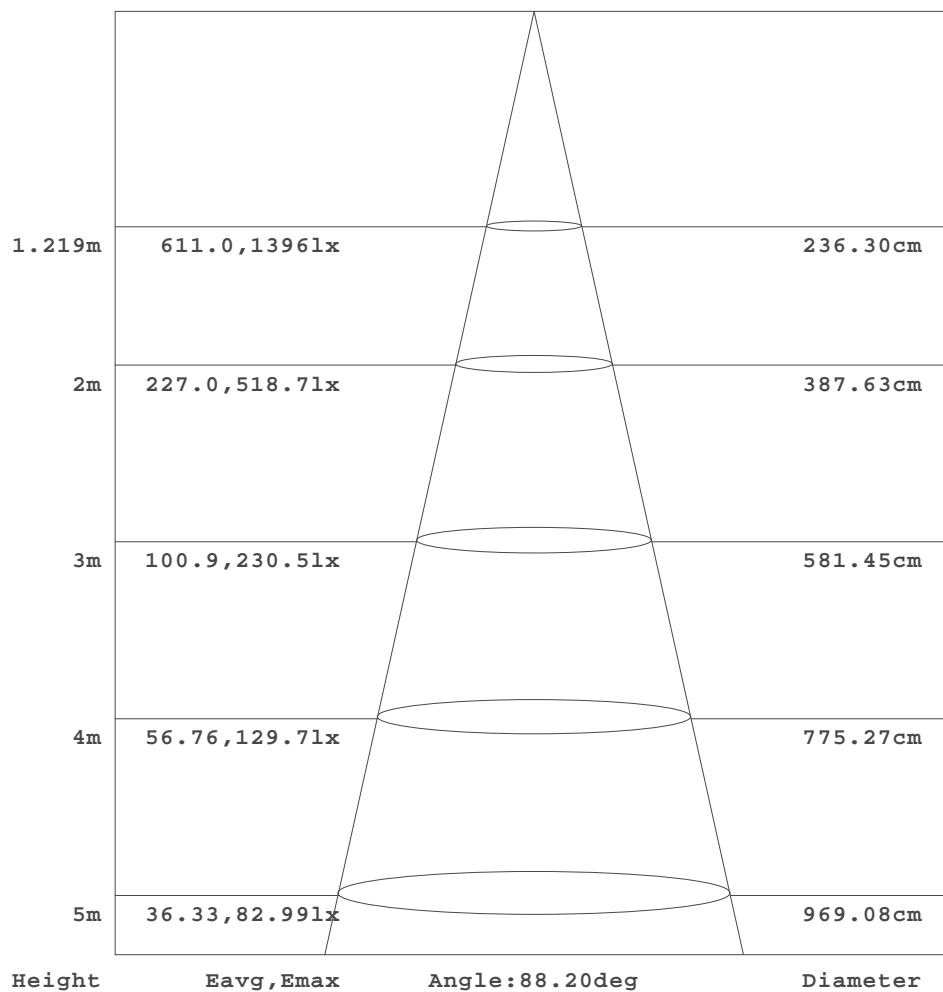
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Aaron  
Test Date: 2025-05-28

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

### AAI Figure

Test:U:120.4V I:0.2978A P:35.29W PF:0.9842 Lamp Flux:4121.37x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277M-3500K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277 M-3500K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:2853 lm



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

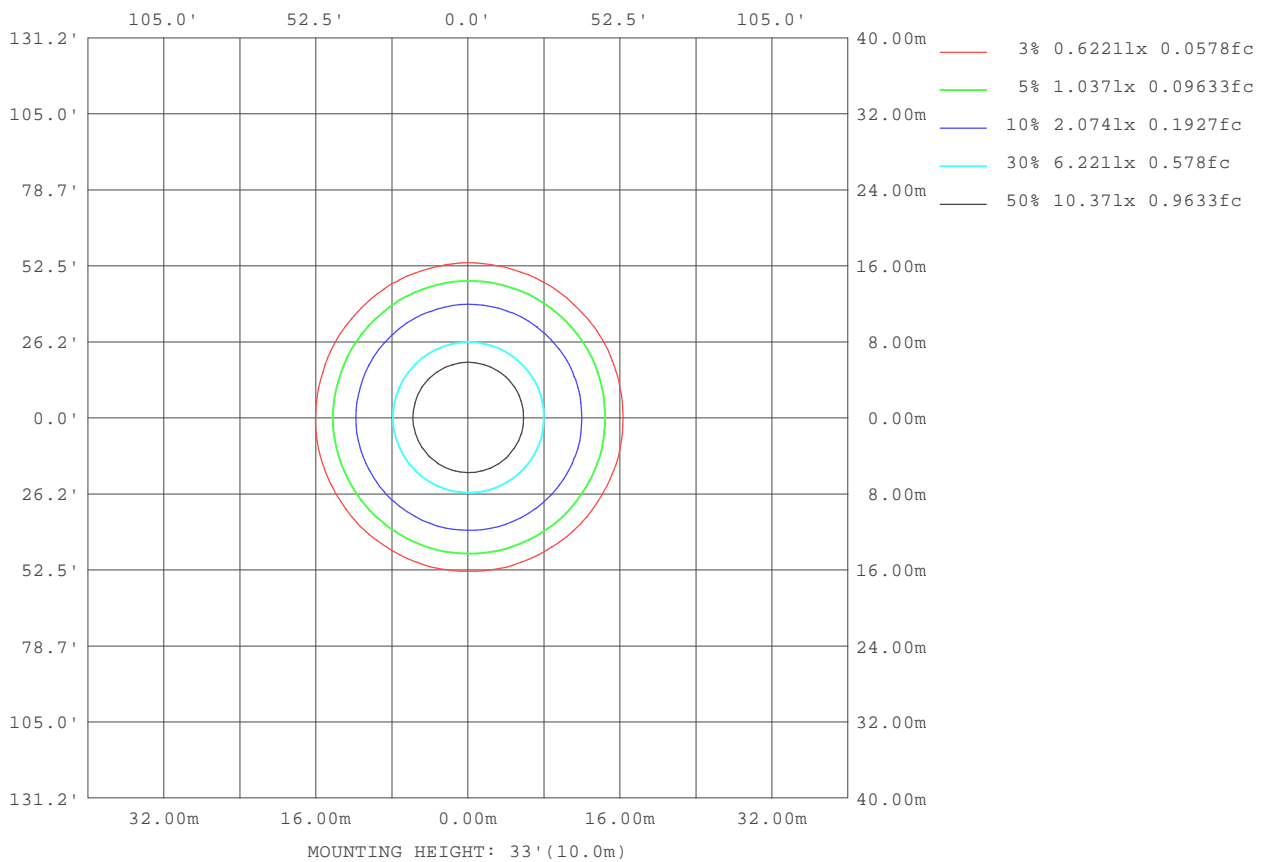
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Aaron  
Test Date: 2025-05-28

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

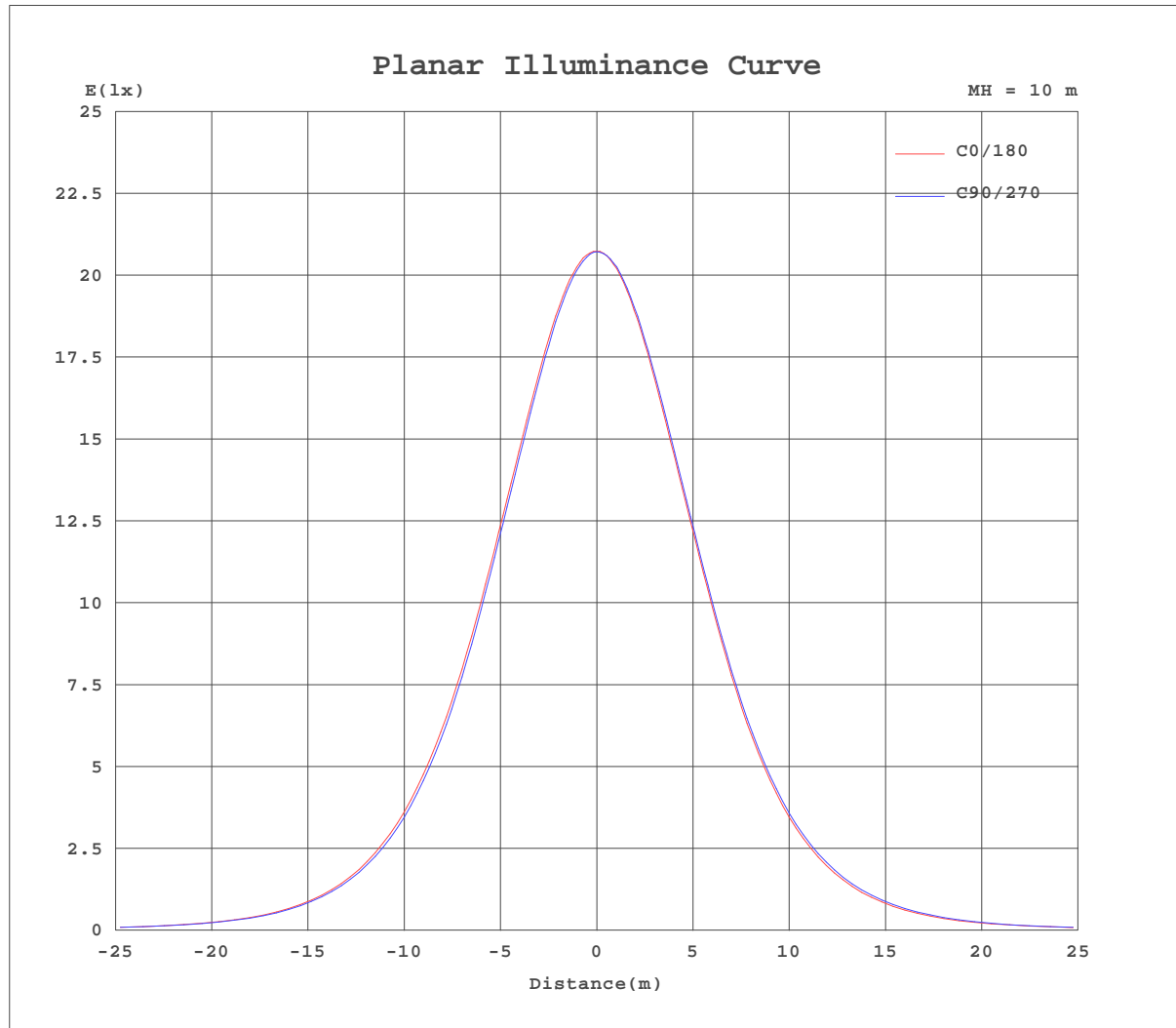
Test:U:120.4V I:0.2978A P:35.29W PF:0.9842 Lamp Flux:4121.37x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277M-3500K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277 M-3500K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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