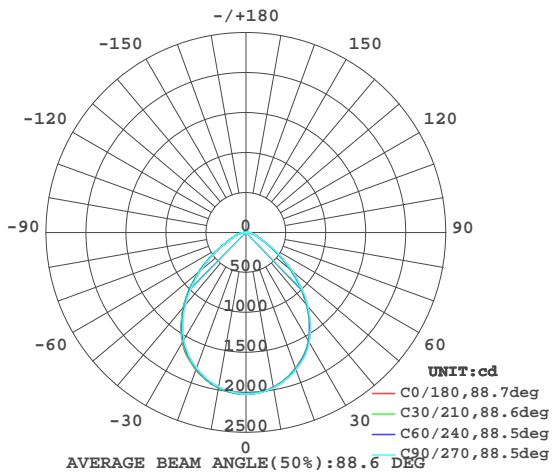


## LUMINAIRE PHOTOMETRIC TEST REPORT

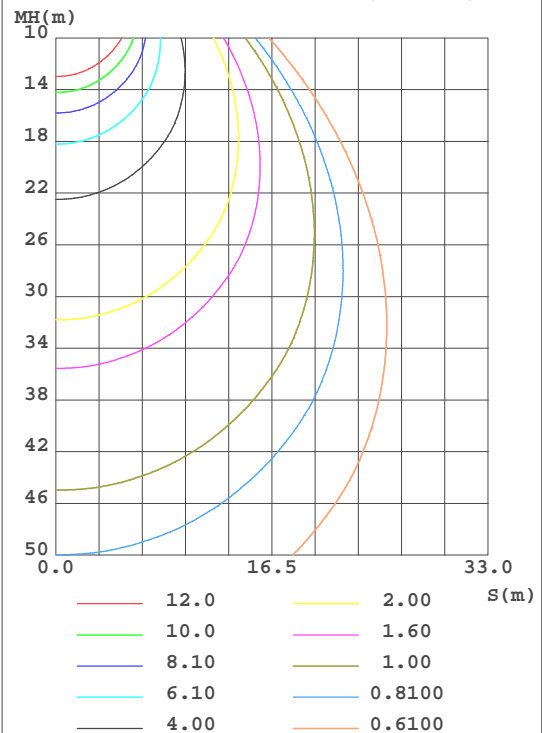
Test:U:120.4V I:0.3008A P:35.53W PF:0.9846 Lamp Flux:4020.43x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277M-3000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-3000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 113.16 lm/W			
MODEL		Imax(cd)	2021	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)	4020.4	h UP,DN(C0-180)	0.1,49.7
NOMINAL FLUX(lm)	4020.43	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)



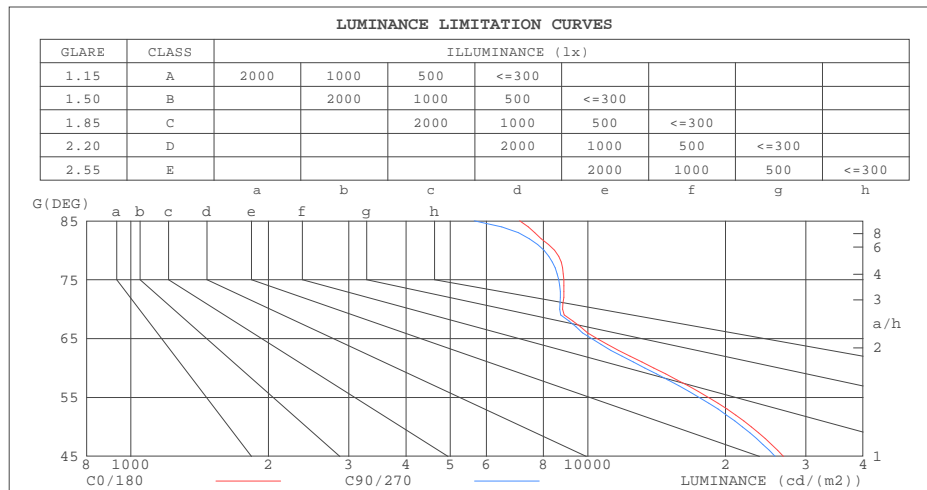
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2025-05-28

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	1975	1970	1961	1960	1965	1965	1975	1977	0~ 10	190.4	190.4	4.73
20	1828	1819	1805	1802	1808	1815	1827	1833	10~ 20	536.4	726.8	18.1
30	1589	1575	1554	1551	1562	1568	1584	1591	20~ 30	785.8	1513	37.6
40	1220	1208	1179	1175	1180	1187	1210	1220	30~ 40	870.3	2383	59.3
50	776.0	766.8	742.3	733.0	731.7	737.1	764.7	774.8	40~ 50	751.8	3135	78
60	369.1	363.6	353.3	346.5	339.6	348.3	367.2	368.8	50~ 60	485.7	3620	90
70	159.4	159.4	157.3	156.6	154.1	152.7	155.6	157.4	60~ 70	234.8	3855	95.9
80	77.72	77.83	73.86	74.60	74.43	72.84	74.81	75.19	70~ 80	124.3	3980	99
90	0.0286	0	0	0	0	0	0	0	80~ 90	33.38	4013	99.8
100	0	0	0	0	0	0	0	0	90~100	0.0001	4013	99.8
110	0.0062	0.0627	0.0246	0.0944	0.1508	0.0742	0.1133	0.0490	100~110	0.0091	4013	99.8
120	0.5356	0.5749	0.5434	0.6272	0.7132	0.6466	0.6566	0.6171	110~120	0.3177	4013	99.8
130	1.264	1.313	1.304	1.384	1.512	1.429	1.426	1.375	120~130	0.8679	4014	99.8
140	2.163	2.199	2.217	2.297	2.429	2.337	2.331	2.295	130~140	1.404	4015	99.9
150	3.063	3.110	3.112	3.197	3.296	3.205	3.207	3.182	140~150	1.711	4017	99.9
160	3.806	3.851	3.855	3.936	4.001	3.919	3.938	3.909	150~160	1.636	4019	100
170	4.324	4.362	4.350	4.429	4.444	4.380	4.419	4.409	160~170	1.175	4020	100
180	4.549	4.549	4.556	4.579	4.556	4.549	4.563	4.573	170~180	0.4279	4020	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	7098	5645
80	8456	8023
75	8859	8637
70	8806	8678
65	10480	10191
60	13948	13330
55	18364	17526
50	22810	21784
45	26790	25678

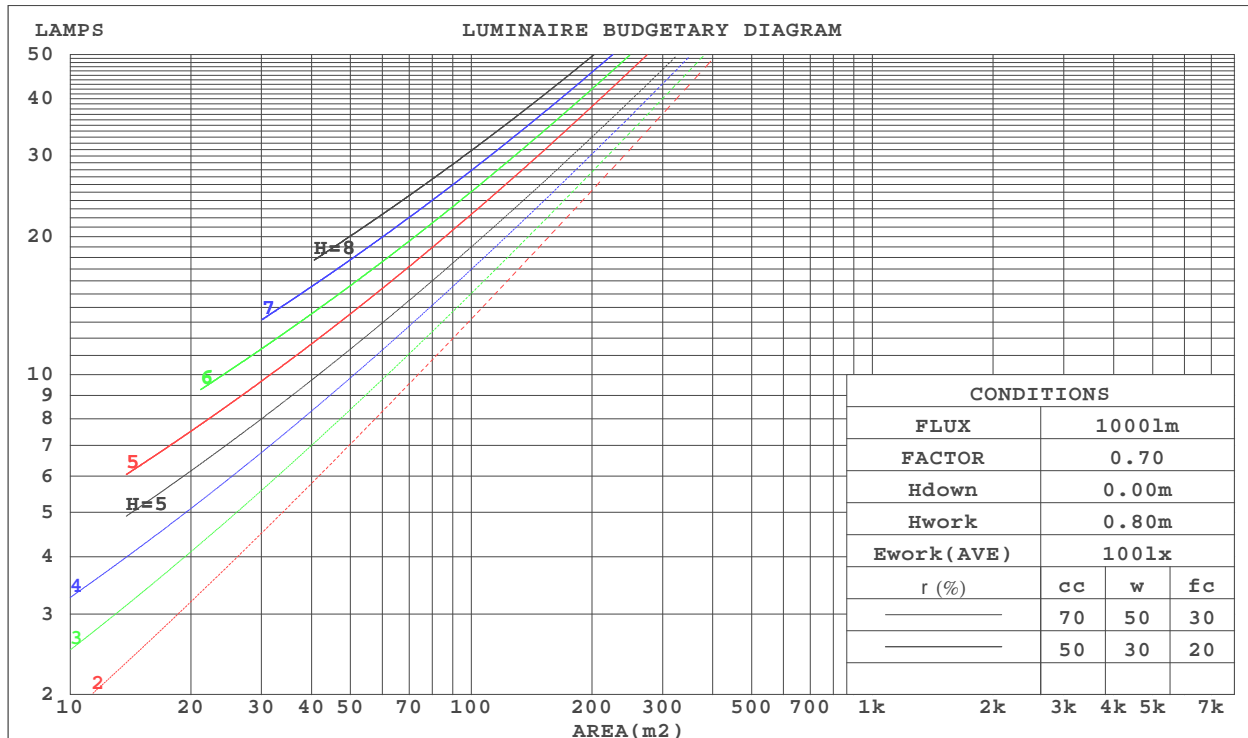
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Aaron  
Test Date: 2025-05-28

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:0.3008A P:35.53W PF:0.9846 Lamp Flux:4020.43x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277M-3000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HDM277 M-3000K	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:120.4V I:0.3008A P:35.53W PF:0.9846 Lamp Flux:4020.43x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-3000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-3000K	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	.202	.107	.032	.194	.104	.031	.187	.101	.031	
5.0	.203	.103	.030	.199	.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	.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	.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	.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:0.3008A P:35.53W PF:0.9846 Lamp Flux:4020.43x1 lm										
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277M-3000K							WEIGHT:			
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HDM277 M-3000K							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	22.3	23.6	22.5	23.8	24.0	22.1	23.5	22.4	23.7	23.9
3H	22.7	23.9	23.0	24.1	24.4	22.6	23.8	22.8	24.0	24.2
4H	22.9	24.1	23.2	24.3	24.6	22.8	23.9	23.1	24.2	24.4
6H	23.1	24.2	23.5	24.5	24.8	23.0	24.1	23.3	24.3	24.6
8H	23.2	24.3	23.5	24.5	24.8	23.0	24.1	23.4	24.4	24.6
12H	23.2	24.2	23.6	24.5	24.8	23.1	24.1	23.4	24.3	24.6
4H 2H	22.4	23.6	22.7	23.8	24.1	22.3	23.4	22.6	23.7	23.9
3H	23.0	24.0	23.4	24.3	24.6	22.9	23.9	23.2	24.2	24.5
4H	23.4	24.3	23.7	24.6	24.9	23.2	24.1	23.6	24.5	24.8
6H	23.7	24.5	24.1	24.9	25.2	23.6	24.4	24.0	24.7	25.1
8H	23.8	24.6	24.2	24.9	25.3	23.7	24.4	24.1	24.8	25.2
12H	23.9	24.6	24.3	25.0	25.4	23.7	24.4	24.2	24.8	25.2
8H 4H	23.5	24.2	23.9	24.6	25.0	23.3	24.1	23.8	24.5	24.8
6H	23.9	24.6	24.4	25.0	25.4	23.8	24.4	24.2	24.8	25.2
8H	24.1	24.7	24.6	25.1	25.6	24.0	24.5	24.4	24.9	25.4
12H	24.3	24.7	24.8	25.2	25.7	24.1	24.5	24.6	25.0	25.5
12H 4H	23.5	24.1	23.9	24.5	24.9	23.3	24.0	23.8	24.4	24.8
6H	24.0	24.5	24.4	24.9	25.4	23.8	24.4	24.3	24.8	25.2
8H	24.2	24.7	24.7	25.1	25.6	24.0	24.5	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	+ 1.2 / - 1.3					+ 1.2 / - 1.2				

CIE Pub.117 Corrected 4020 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:0.3008A P:35.53W PF:0.9846 Lamp Flux:4020.43x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-3000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-3000K	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) x RCR = 5									
k = 0.60	66	56	50	65	55	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	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:0.3008A P:35.53W PF:0.9846 Lamp Flux:4020.43x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-3000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-3000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

2785.5 lm

%lum = 69.3%

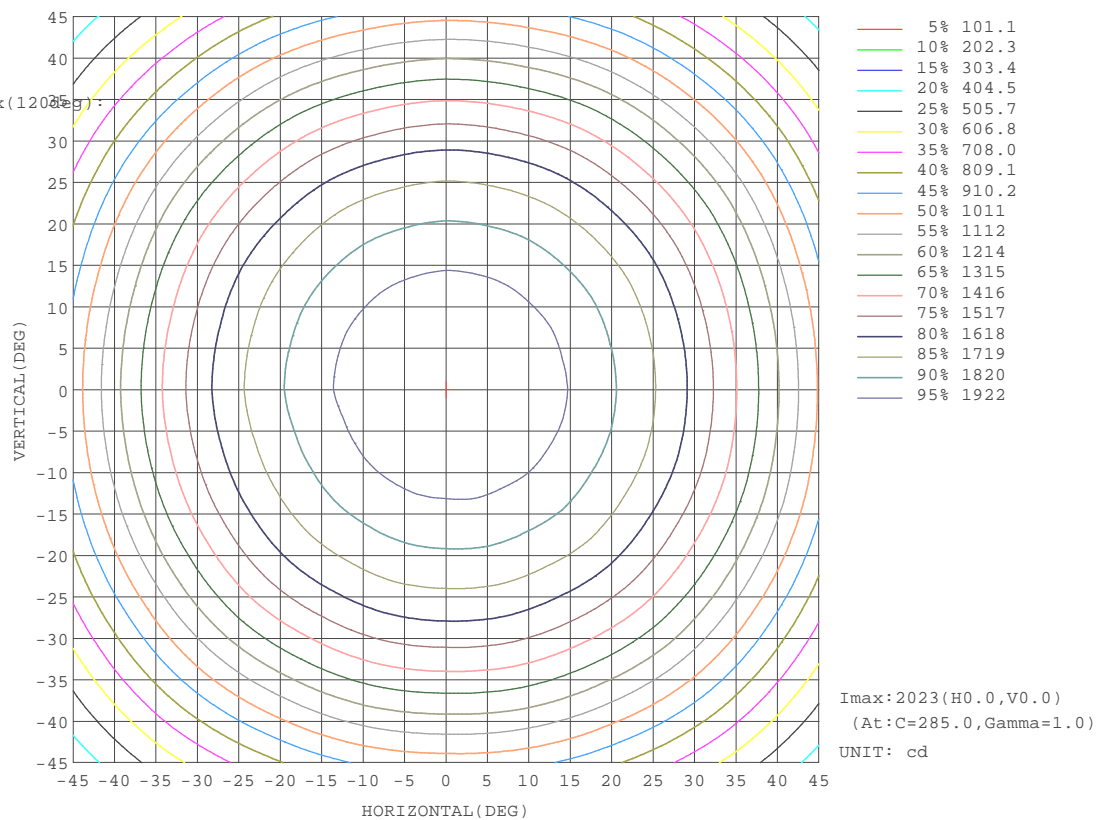
%lamp = 69.3%

Conical surface Flux(120deg):

3620.4 lm

%lum = 90.0%

%lamp = 90.0%



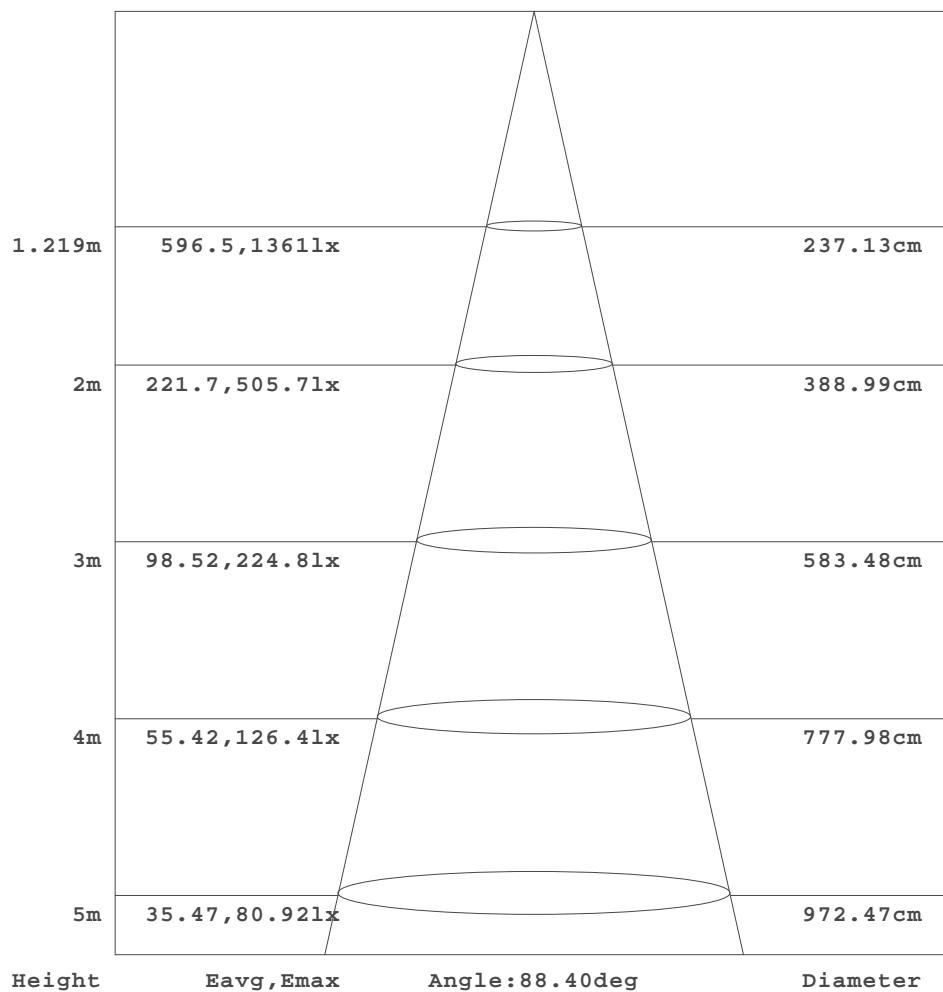
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Aaron  
Test Date: 2025-05-28

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:0.3008A P:35.53W PF:0.9846 Lamp Flux:4020.43x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-3000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-3000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:2785 lm



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

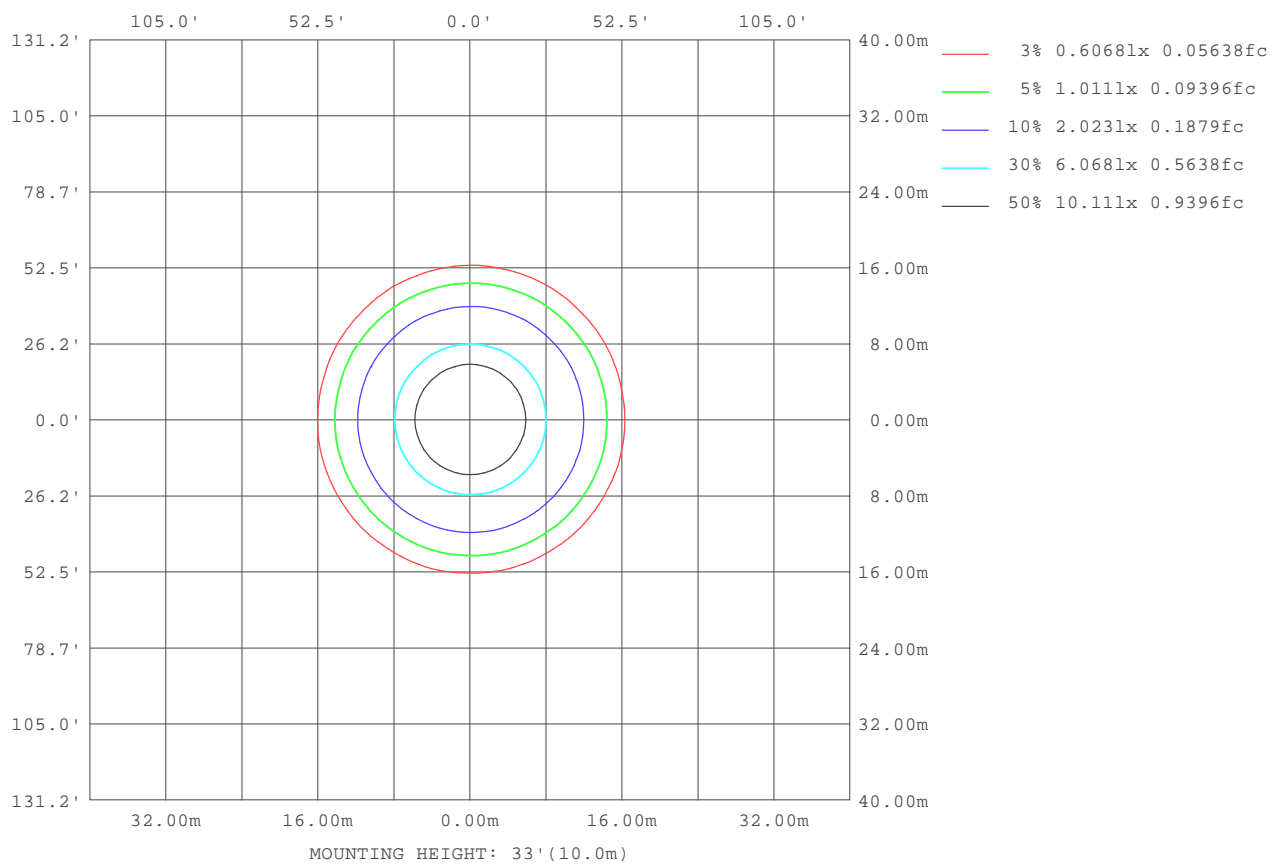
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Aaron  
Test Date: 2025-05-28

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

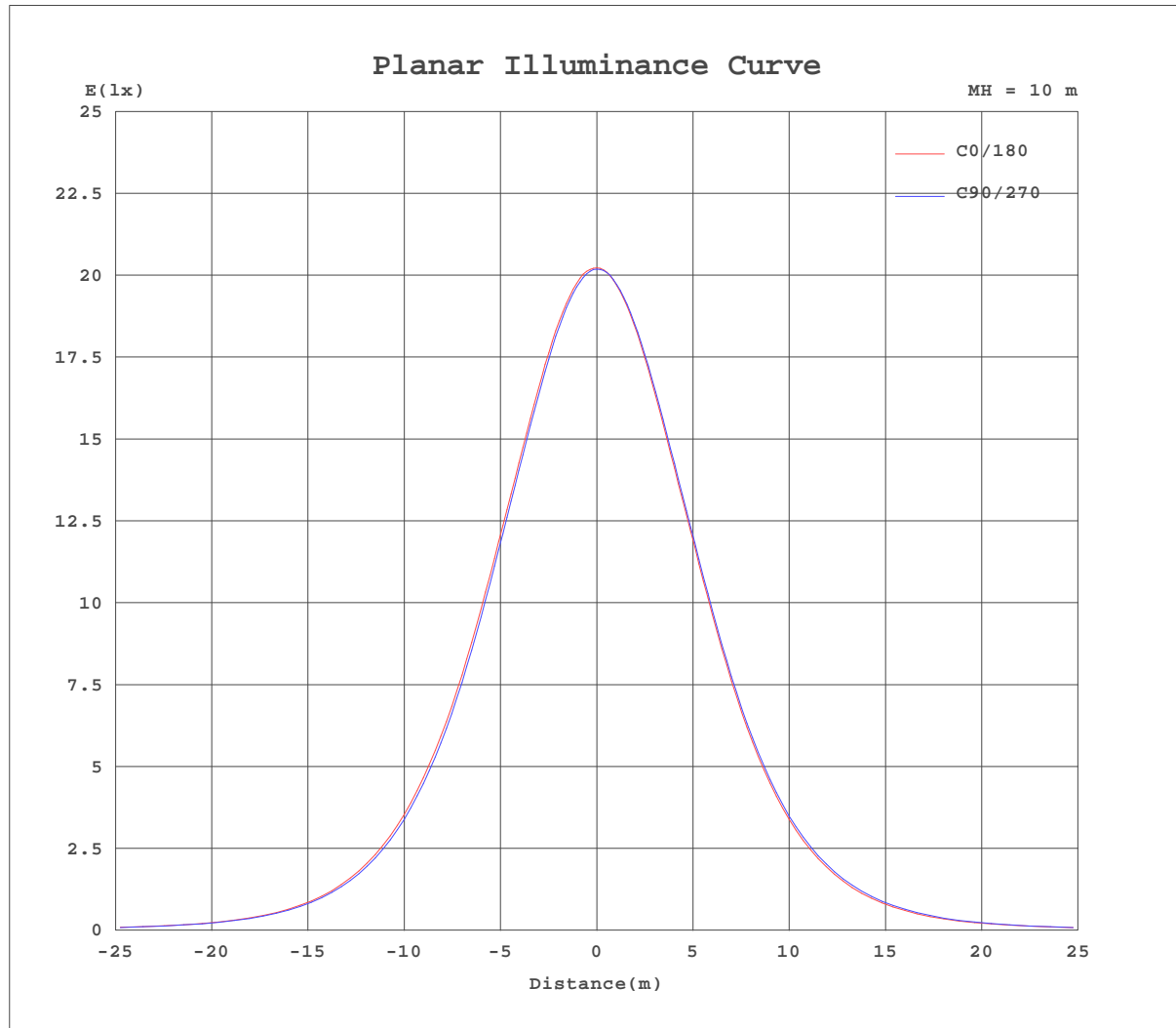
Test:U:120.4V I:0.3008A P:35.53W PF:0.9846 Lamp Flux:4020.43x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-3000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-3000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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