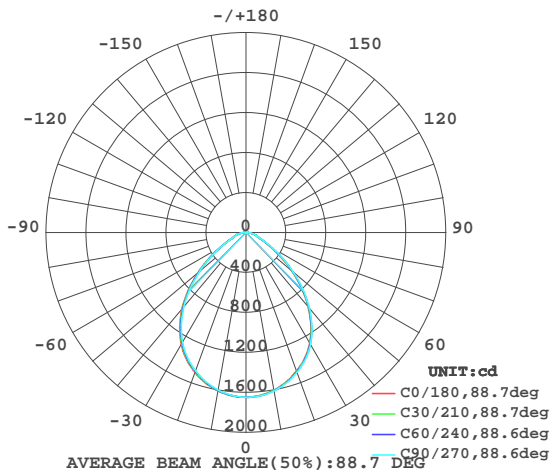


LUMINAIRE PHOTOMETRIC TEST REPORT

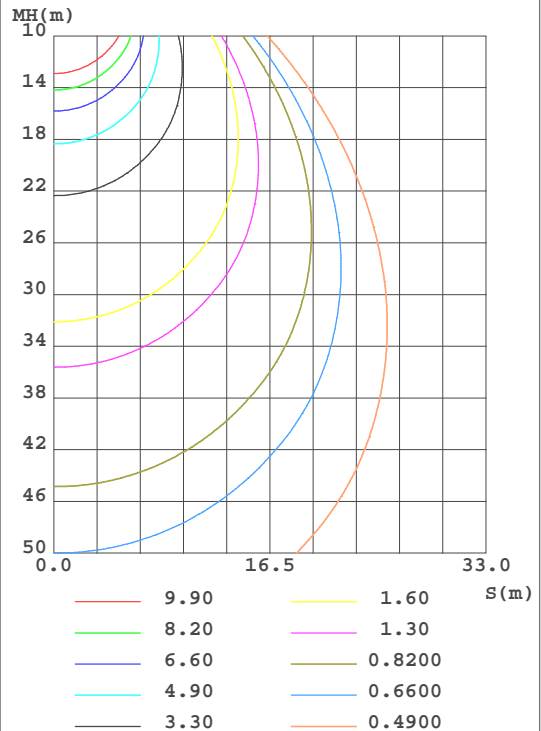
Test:U:120.4V I:0.2454A P:28.96W PF:0.9797 Lamp Flux:3281.35x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277-2700K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-2700K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 113.31 lm/W			
MODEL		Imax(cd)	1649	S/MH(C0/180)	1.16
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.17
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3281.4	h UP,DN(C0-180)	0.1,49.8
NOMINAL FLUX(lm)	3281.35	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)



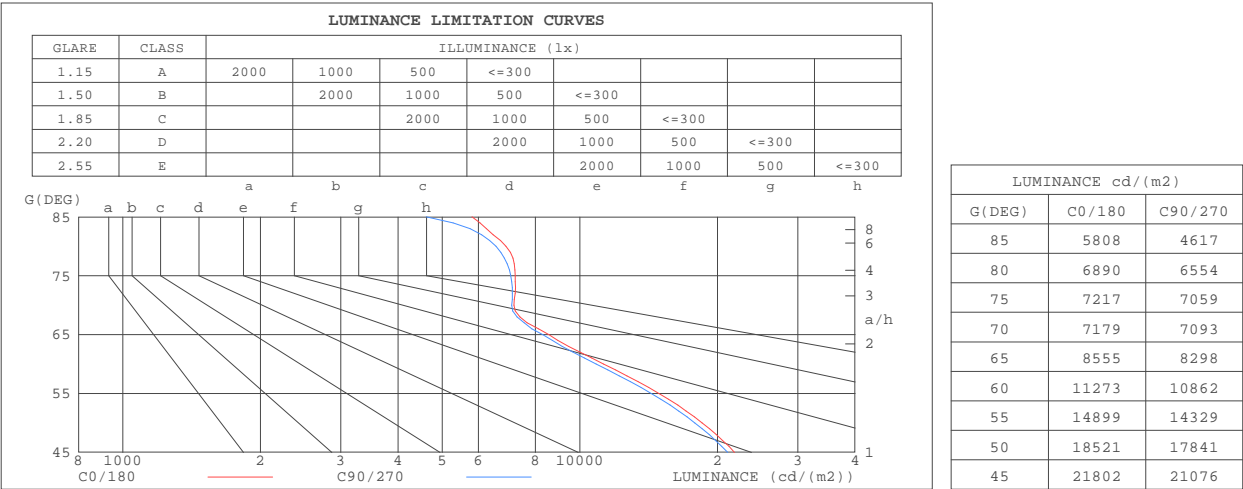
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2025-05-30

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	1610	1607	1602	1600	1602	1606	1611	1613	0- 10	155.4	155.4	4.73
20	1491	1484	1474	1472	1477	1482	1491	1494	10- 20	437.8	593.2	18.1
30	1295	1285	1269	1270	1277	1282	1293	1297	20- 30	641.5	1235	37.6
40	995.7	986.6	966.6	965.8	967.5	973.1	987.7	994.5	30- 40	711.5	1946	59.3
50	630.6	624.8	607.8	603.2	599.4	603.6	622.3	629.0	40- 50	614.9	2561	78
60	298.6	291.9	287.8	283.1	277.0	283.5	294.0	297.5	50- 60	395.3	2956	90.1
70	130.1	130.1	128.6	128.2	125.8	124.7	126.7	128.2	60- 70	190.6	3147	95.9
80	63.38	63.58	60.32	60.90	60.52	59.39	60.88	61.17	70- 80	101.4	3248	99
90	0.0411	0	0	0	0	0	0	0	80- 90	27.17	3276	99.8
100	0	0	0	0	0	0	0	0	90-100	0.0001	3276	99.8
110	0	0	0	0.0001	0.0190	0	0.0007	0	100-110	0.0001	3276	99.8
120	0.3116	0.3695	0.3236	0.4016	0.4693	0.3981	0.4320	0.3680	110-120	0.1531	3276	99.8
130	0.9106	0.9636	0.9361	1.015	1.119	1.047	1.064	1.011	120-130	0.6072	3276	99.8
140	1.653	1.706	1.686	1.765	1.874	1.791	1.814	1.762	130-140	1.060	3277	99.9
150	2.391	2.444	2.423	2.502	2.599	2.510	2.532	2.500	140-150	1.329	3279	99.9
160	2.997	3.049	3.049	3.120	3.161	3.092	3.131	3.082	150-160	1.289	3280	100
170	3.404	3.473	3.449	3.514	3.529	3.461	3.512	3.470	160-170	0.9288	3281	100
180	3.579	3.592	3.587	3.645	3.585	3.579	3.587	3.626	170-180	0.3385	3281	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



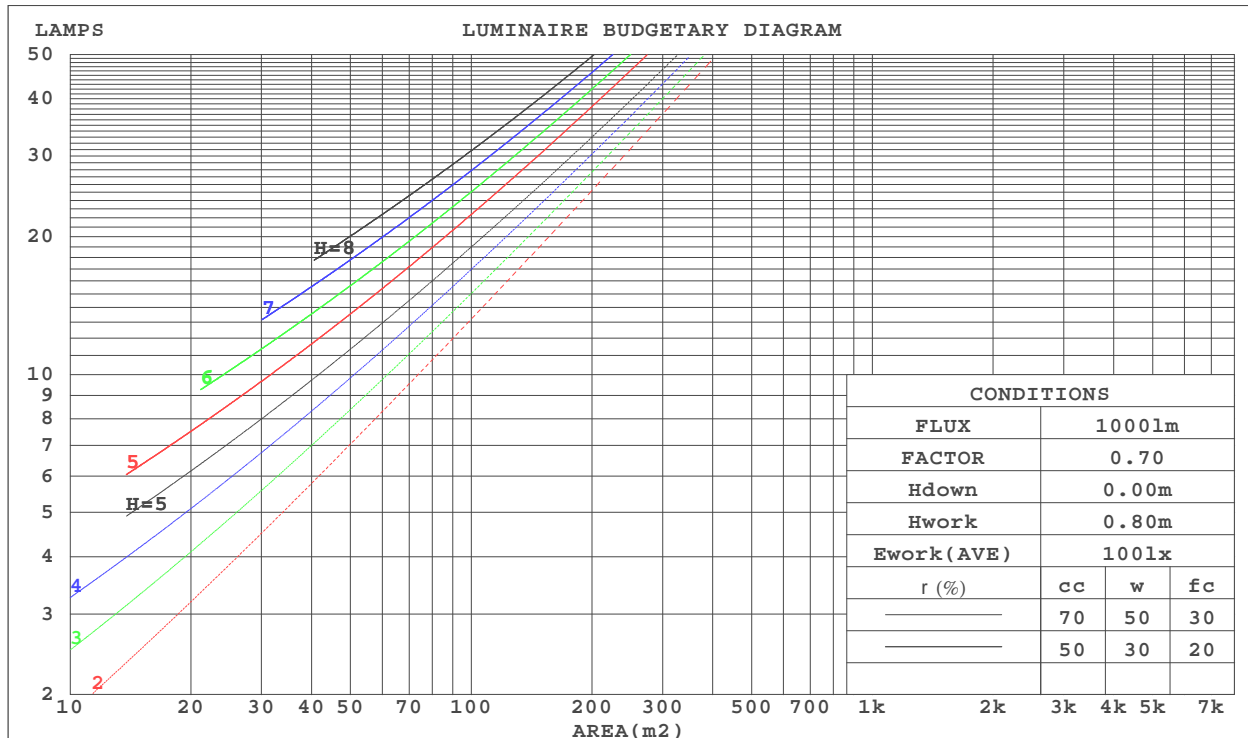
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2025-05-30

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:0.2454A P:28.96W PF:0.9797 Lamp Flux:3281.35x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277L-2700K		WEIGHT:
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HDM277 L-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 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	.79	.74	.70	.76	.72	.69	.67
4.0	.77	.69	.64	.76	.69	.63	.73	.67	.62	.71	.66	.62	.69	.65	.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	.49	.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	.37	.47	.41	.36	.46	.40	.36	.34
10.0	.46	.39	.34	.45	.38	.34	.44	.38	.33	.43	.38	.33	.43	.37	.33	.32



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2025-05-30

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:0.2454A P:28.96W PF:0.9797 Lamp Flux:3281.35x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-2700K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-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	.237	.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	.133	.105	.143	.115	.091	.098	.079	.063	.057	.046	.037	.018	.015	.012	
3.0	.158	.115	.081	.136	.100	.071	.093	.069	.049	.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	.122	.079	.046	.084	.055	.032	.049	.032	.019	.016	.011	.006	
6.0	.136	.082	.044	.117	.071	.038	.080	.050	.027	.047	.029	.016	.015	.010	.005	
7.0	.129	.075	.037	.111	.065	.032	.077	.046	.023	.045	.027	.014	.014	.009	.005	
8.0	.123	.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:2025-05-30

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:0.2454A P:28.96W PF:0.9797 Lamp Flux:3281.35x1 lm										
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277L-2700K								WEIGHT:		
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HDM277 L-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	21.5	22.9	21.8	23.1	23.3	21.4	22.7	21.7	22.9	23.1
3H	22.0	23.2	22.2	23.4	23.6	21.8	23.1	22.1	23.3	23.5
4H	22.2	23.3	22.5	23.6	23.8	22.1	23.2	22.4	23.5	23.7
6H	22.4	23.5	22.7	23.8	24.0	22.3	23.4	22.6	23.6	23.9
8H	22.5	23.5	22.8	23.8	24.1	22.3	23.4	22.7	23.6	23.9
12H	22.5	23.5	22.8	23.8	24.1	22.3	23.3	22.7	23.6	23.9
4H 2H	21.7	22.8	22.0	23.1	23.3	21.6	22.7	21.9	23.0	23.2
3H	22.3	23.3	22.6	23.6	23.9	22.2	23.2	22.5	23.4	23.7
4H	22.6	23.5	23.0	23.8	24.2	22.5	23.4	22.9	23.7	24.1
6H	23.0	23.8	23.4	24.1	24.5	22.8	23.7	23.2	24.0	24.4
8H	23.1	23.8	23.5	24.2	24.6	23.0	23.7	23.4	24.1	24.5
12H	23.2	23.9	23.6	24.2	24.6	23.0	23.7	23.4	24.1	24.5
8H 4H	22.7	23.5	23.1	23.8	24.2	22.6	23.4	23.0	23.7	24.1
6H	23.2	23.8	23.6	24.2	24.6	23.1	23.7	23.5	24.1	24.5
8H	23.4	23.9	23.9	24.4	24.8	23.3	23.8	23.7	24.2	24.7
12H	23.5	24.0	24.0	24.5	24.9	23.4	23.8	23.8	24.3	24.8
12H 4H	22.7	23.4	23.1	23.8	24.2	22.6	23.3	23.0	23.7	24.1
6H	23.2	23.8	23.7	24.2	24.6	23.1	23.7	23.6	24.1	24.5
8H	23.5	23.9	23.9	24.4	24.8	23.3	23.8	23.8	24.2	24.7
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					+ 1.3 / - 1.3				

CIE Pub.117 Corrected 3281 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.1)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2025-05-30

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:0.2454A P:28.96W PF:0.9797 Lamp Flux:3281.35x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-2700K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-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:2025-05-30

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:0.2454A P:28.96W PF:0.9797 Lamp Flux:3281.35x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-2700K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-2700K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

2275.6 lm

%lum = 69.4%

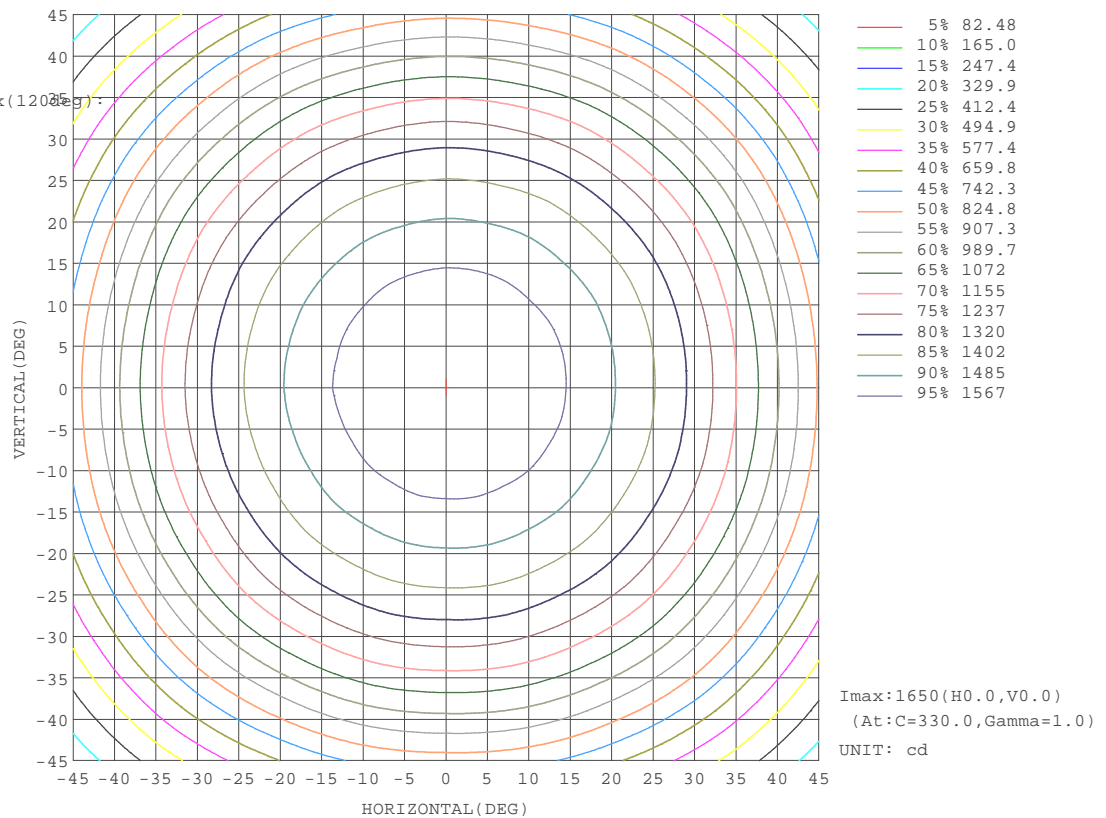
%lamp = 69.4%

Conical surface Flux(120deg):

2956.4 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:2025-05-30

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]

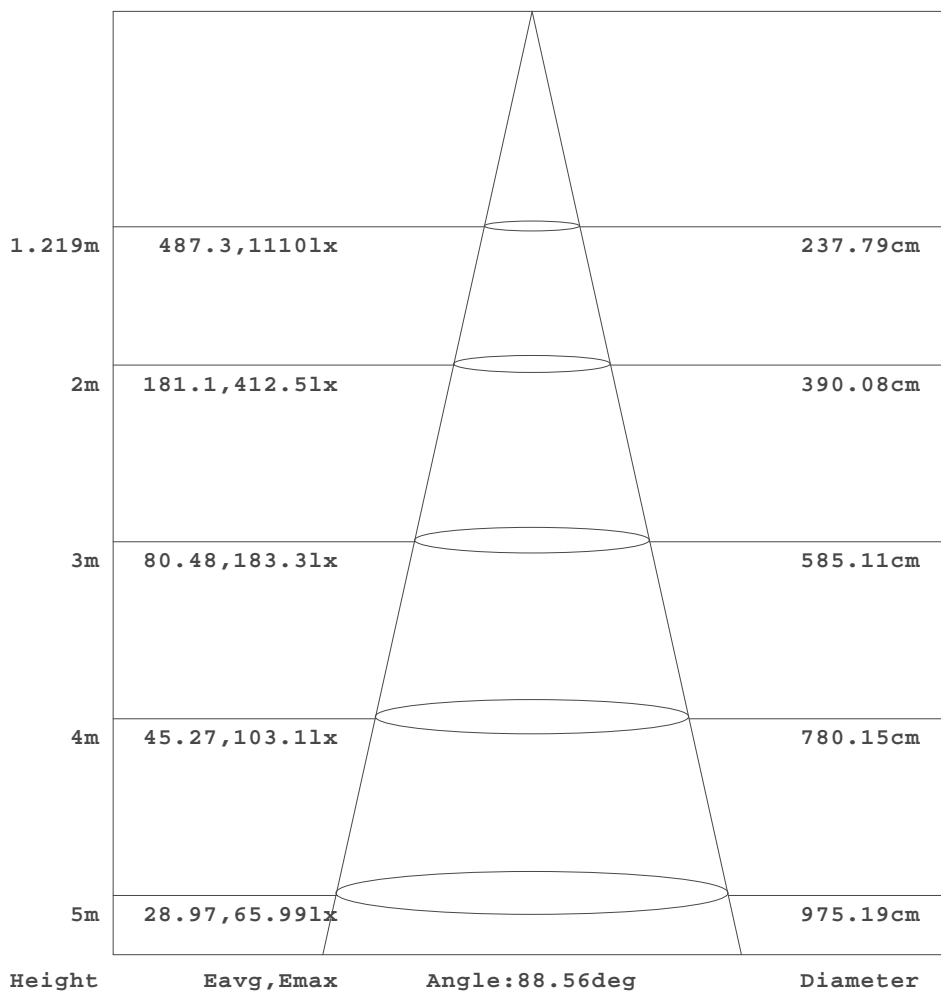
Remarks: TRP-250528SHA-01_F172

T505281

AAI Figure

Test:U:120.4V I:0.2454A P:28.96W PF:0.9797 Lamp Flux:3281.35x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277 L-2700K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277 L-2700K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:2276 lm



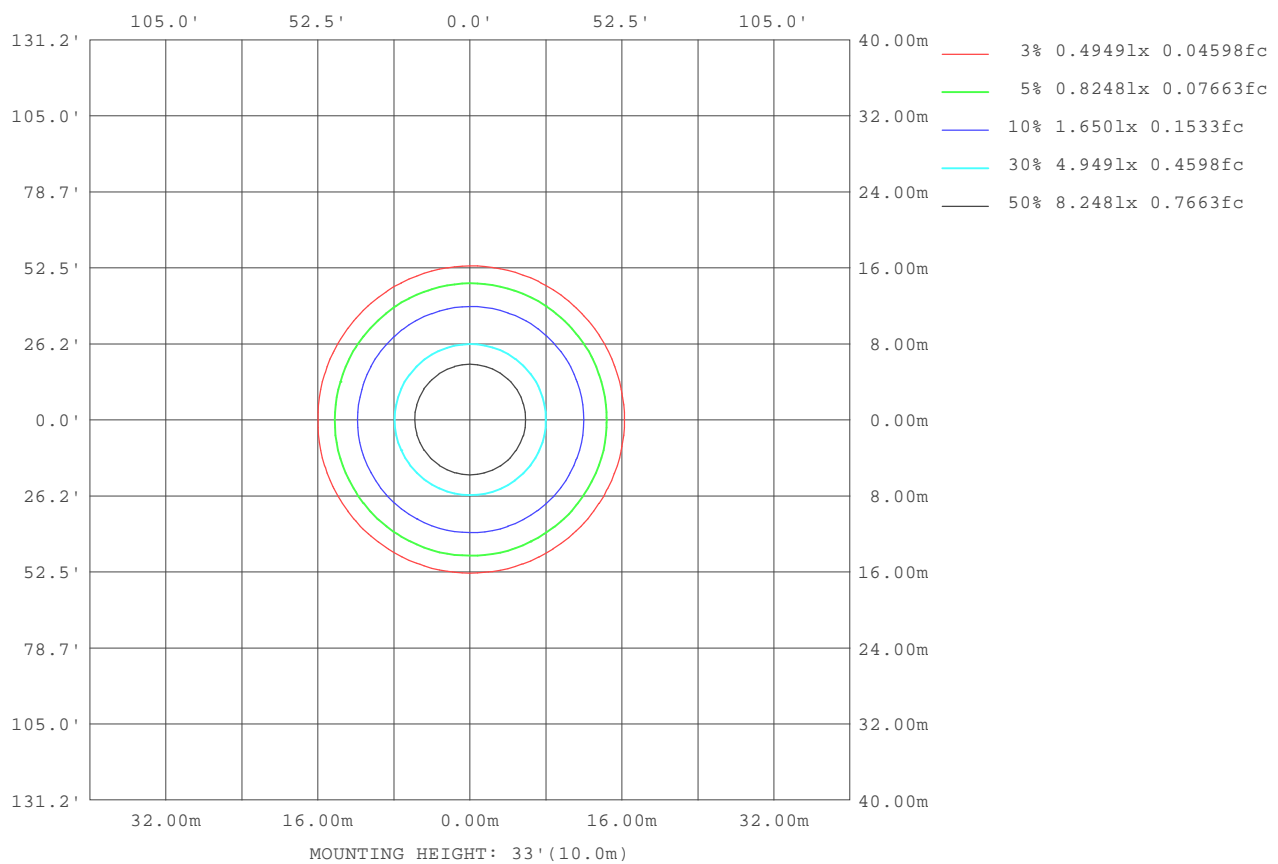
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Aaron
Test Date: 2025-05-30

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

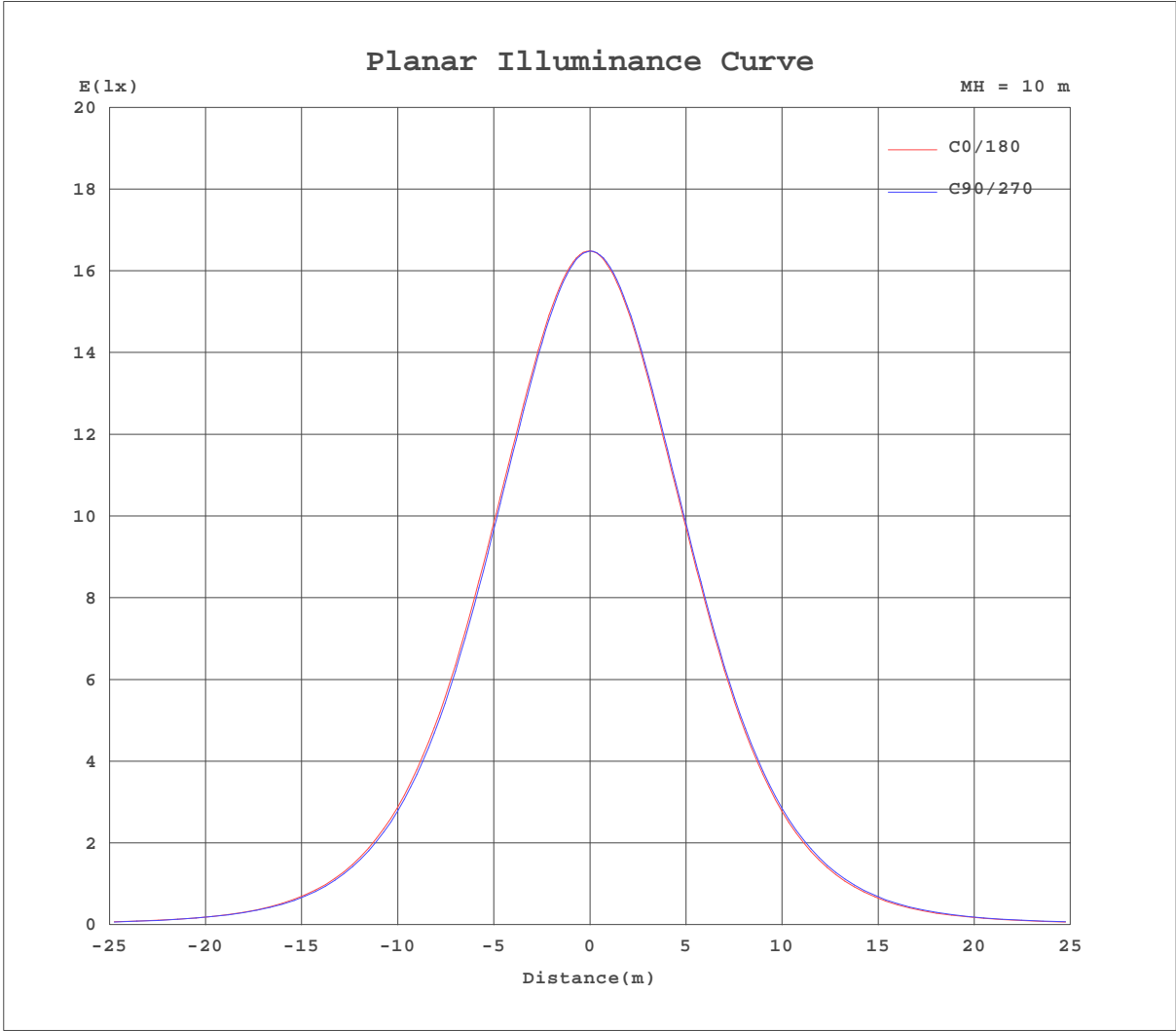
Test:U:120.4V I:0.2454A P:28.96W PF:0.9797 Lamp Flux:3281.35x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-2700K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-2700K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Aaron
 Test Date: 2025-05-30

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:2025-05-30

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