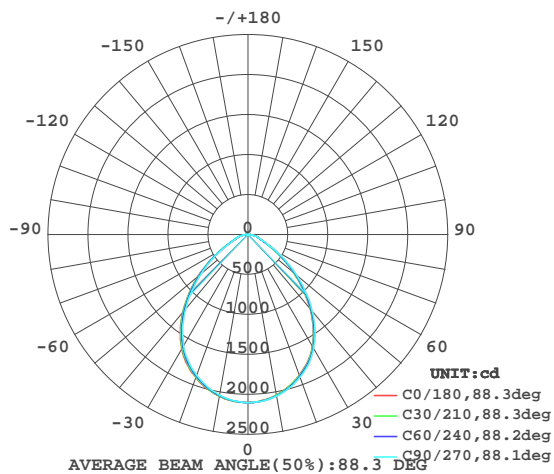


LUMINAIRE PHOTOMETRIC TEST REPORT

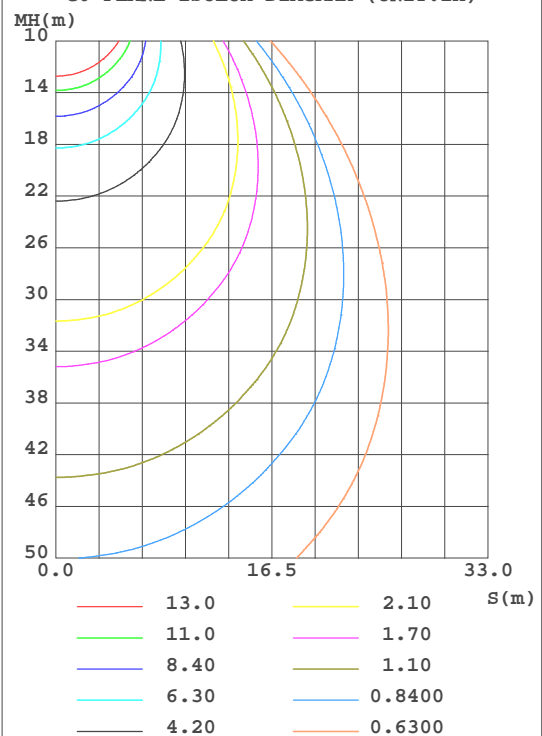
Test:U:120.4V I:0.2984A P:35.37W PF:0.9843 Lamp Flux:4179.09x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277M-4000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-4000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 118.16 lm/W			
MODEL		Imax(cd)	2103	S/MH(C0/180)	1.15
NOMINAL POWER(W)	37	LOR(%)	100.0	S/MH(C90/270)	1.17
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	4179.1	h UP,DN(C0-180)	0.1,49.6
NOMINAL FLUX(lm)	4179.09	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.1,50.2
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)



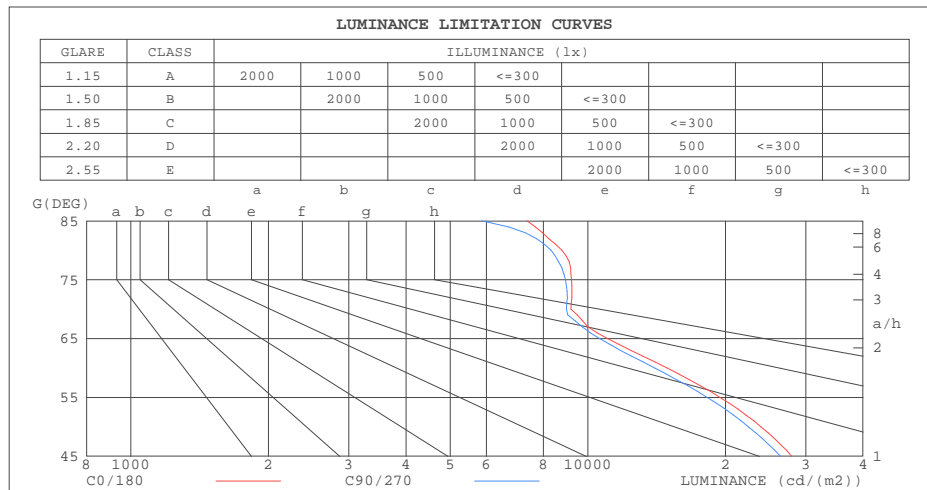
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2025-05-28

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	2057	2048	2040	2036	2039	2047	2055	2061	0~ 10	198.1	198.1	4.74
20	1906	1894	1874	1869	1874	1884	1902	1911	10~ 20	557.9	756.0	18.1
30	1657	1637	1610	1606	1613	1625	1648	1660	20~ 30	816.6	1573	37.6
40	1271	1253	1213	1204	1208	1222	1255	1273	30~ 40	901.5	2474	59.2
50	814.8	800.1	765.7	749.8	749.2	762.0	800.8	817.9	40~ 50	778.0	3252	77.8
60	394.6	387.9	371.3	362.9	356.0	367.2	393.8	395.4	50~ 60	508.6	3761	90
70	166.3	165.7	162.7	161.8	159.0	158.4	162.4	164.7	60~ 70	246.8	4008	95.9
80	80.73	80.79	76.48	77.12	77.09	75.59	77.96	78.37	70~ 80	129.0	4137	99
90	0.0143	0	0	0	0	0	0	0	80~ 90	34.66	4171	99.8
100	0	0	0	0	0	0	0	0	90~100	0.0001	4171	99.8
110	0.0561	0.0815	0.0430	0.1258	0.1820	0.1060	0.1450	0.0687	100~110	0.0145	4171	99.8
120	0.5602	0.6131	0.6113	0.7023	0.7697	0.6865	0.7005	0.6441	110~120	0.3551	4172	99.8
130	1.328	1.369	1.385	1.491	1.598	1.504	1.478	1.438	120~130	0.9236	4172	99.8
140	2.246	2.286	2.329	2.436	2.559	2.446	2.407	2.389	130~140	1.473	4174	99.9
150	3.157	3.211	3.248	3.350	3.440	3.339	3.320	3.297	140~150	1.782	4176	99.9
160	3.943	3.984	4.017	4.112	4.163	4.076	4.075	4.061	150~160	1.701	4177	100
170	4.492	4.526	4.543	4.625	4.624	4.557	4.581	4.580	160~170	1.223	4179	100
180	4.736	4.732	4.750	4.787	4.742	4.726	4.744	4.775	170~180	0.4457	4179	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



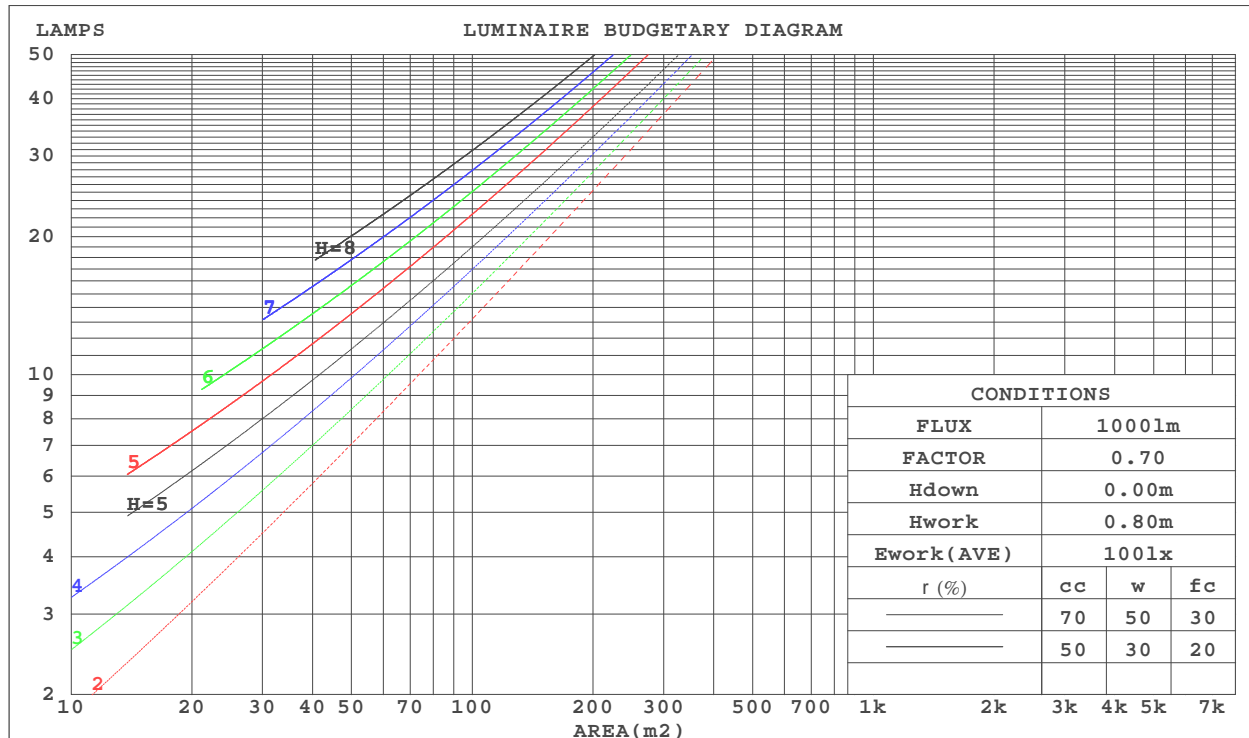
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Aaron
Test Date: 2025-05-28

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:0.2984A P:35.37W PF:0.9843 Lamp Flux:4179.09x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277M-4000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HDM277 M-4000K	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	.38	.34	.45	.38	.34	.44	.38	.33	.43	.37	.33	.43	.37	.33	.31



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:0.2984A P:35.37W PF:0.9843 Lamp Flux:4179.09x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-4000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-4000K	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	.206	.113	.035	.197	.109	.034	
4.0	.216	.112	.033	.211	.111	.033	.203	.107	.032	.194	.104	.031	.187	.102	.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:0.2984A P:35.37W PF:0.9843 Lamp Flux:4179.09x1 lm										
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277M-4000K							WEIGHT:			
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HDM277 M-4000K							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	22.5	23.8	22.8	24.0	24.2	22.3	23.6	22.5	23.8	24.0
3H	22.9	24.1	23.2	24.4	24.6	22.7	23.9	23.0	24.1	24.4
4H	23.1	24.3	23.4	24.5	24.8	22.9	24.1	23.2	24.3	24.6
6H	23.3	24.4	23.7	24.7	25.0	23.1	24.2	23.4	24.5	24.7
8H	23.4	24.5	23.7	24.7	25.0	23.2	24.2	23.5	24.5	24.8
12H	23.4	24.4	23.8	24.7	25.0	23.2	24.2	23.5	24.5	24.8
4H 2H	22.7	23.8	23.0	24.1	24.3	22.5	23.6	22.8	23.9	24.1
3H	23.2	24.2	23.6	24.5	24.8	23.0	24.0	23.4	24.3	24.6
4H	23.6	24.5	23.9	24.8	25.1	23.4	24.3	23.8	24.6	24.9
6H	23.9	24.7	24.3	25.1	25.4	23.7	24.5	24.1	24.9	25.2
8H	24.0	24.8	24.4	25.1	25.5	23.8	24.6	24.2	24.9	25.3
12H	24.1	24.8	24.5	25.2	25.6	23.9	24.6	24.3	24.9	25.3
8H 4H	23.7	24.4	24.1	24.8	25.2	23.5	24.2	23.9	24.6	25.0
6H	24.1	24.7	24.6	25.1	25.6	23.9	24.6	24.4	25.0	25.4
8H	24.3	24.9	24.8	25.3	25.7	24.1	24.7	24.6	25.1	25.5
12H	24.5	24.9	24.9	25.4	25.9	24.2	24.7	24.7	25.1	25.6
12H 4H	23.7	24.3	24.1	24.7	25.1	23.5	24.2	23.9	24.6	25.0
6H	24.2	24.7	24.6	25.1	25.6	24.0	24.5	24.4	24.9	25.4
8H	24.4	24.8	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					+ 0.3 / - 0.3				
2.0H	+ 1.2 / - 1.3					+ 1.2 / - 1.2				

CIE Pub.117 Corrected 4179 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:120.4V I:0.2984A P:35.37W PF:0.9843 Lamp Flux:4179.09x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-4000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-4000K	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	68	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	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:120.4V I:0.2984A P:35.37W PF:0.9843 Lamp Flux:4179.09x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-4000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-4000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

2890.4 lm

%lum = 69.2%

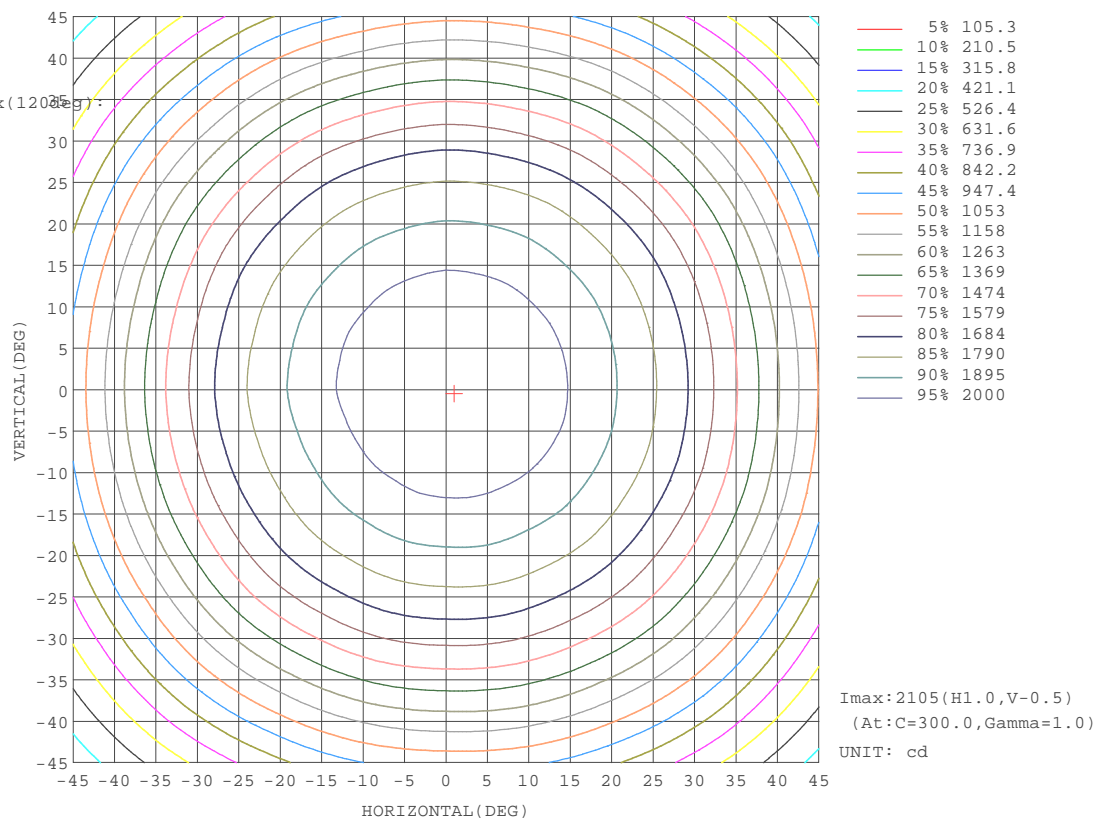
%lamp = 69.2%

Conical surface Flux(120deg):

3760.7 lm

%lum = 90.0%

%lamp = 90.0%



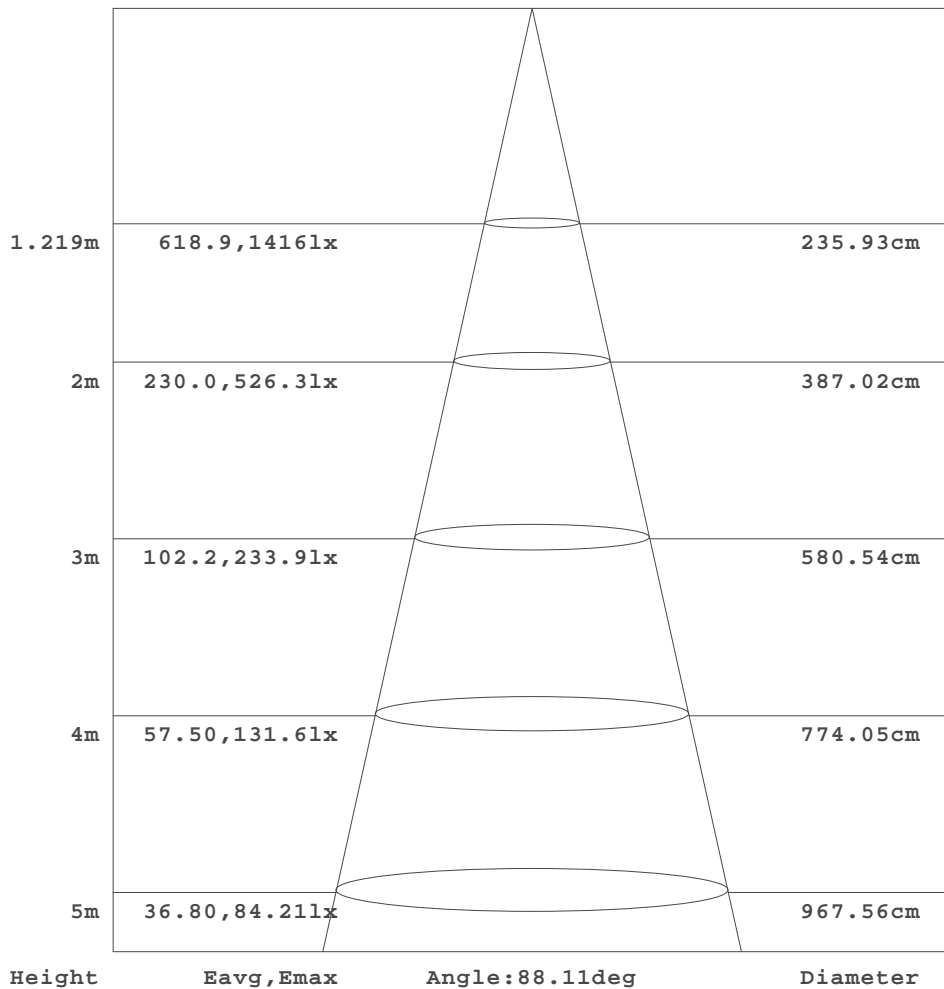
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Aaron
Test Date: 2025-05-28

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:0.2984A P:35.37W PF:0.9843 Lamp Flux:4179.09x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277M-4000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277 M-4000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:2890 lm



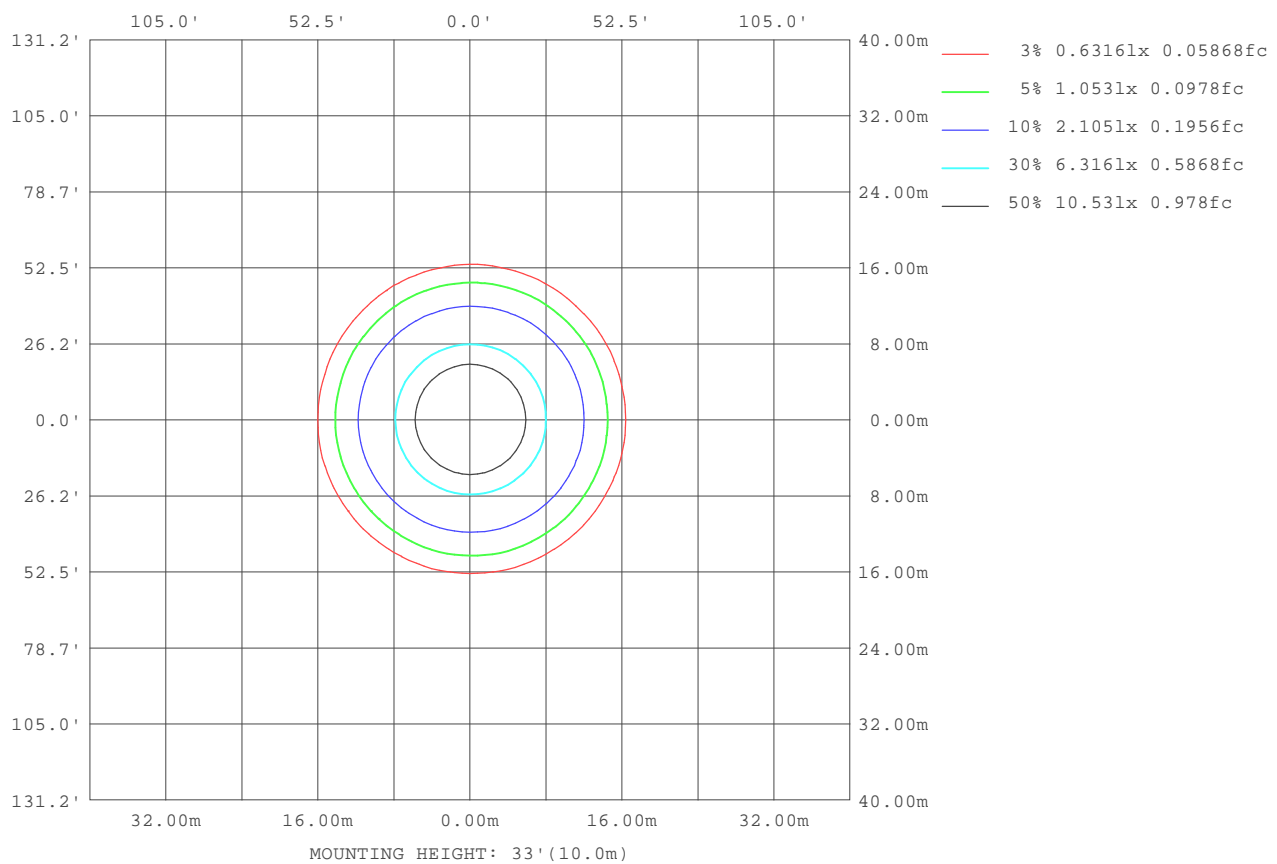
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

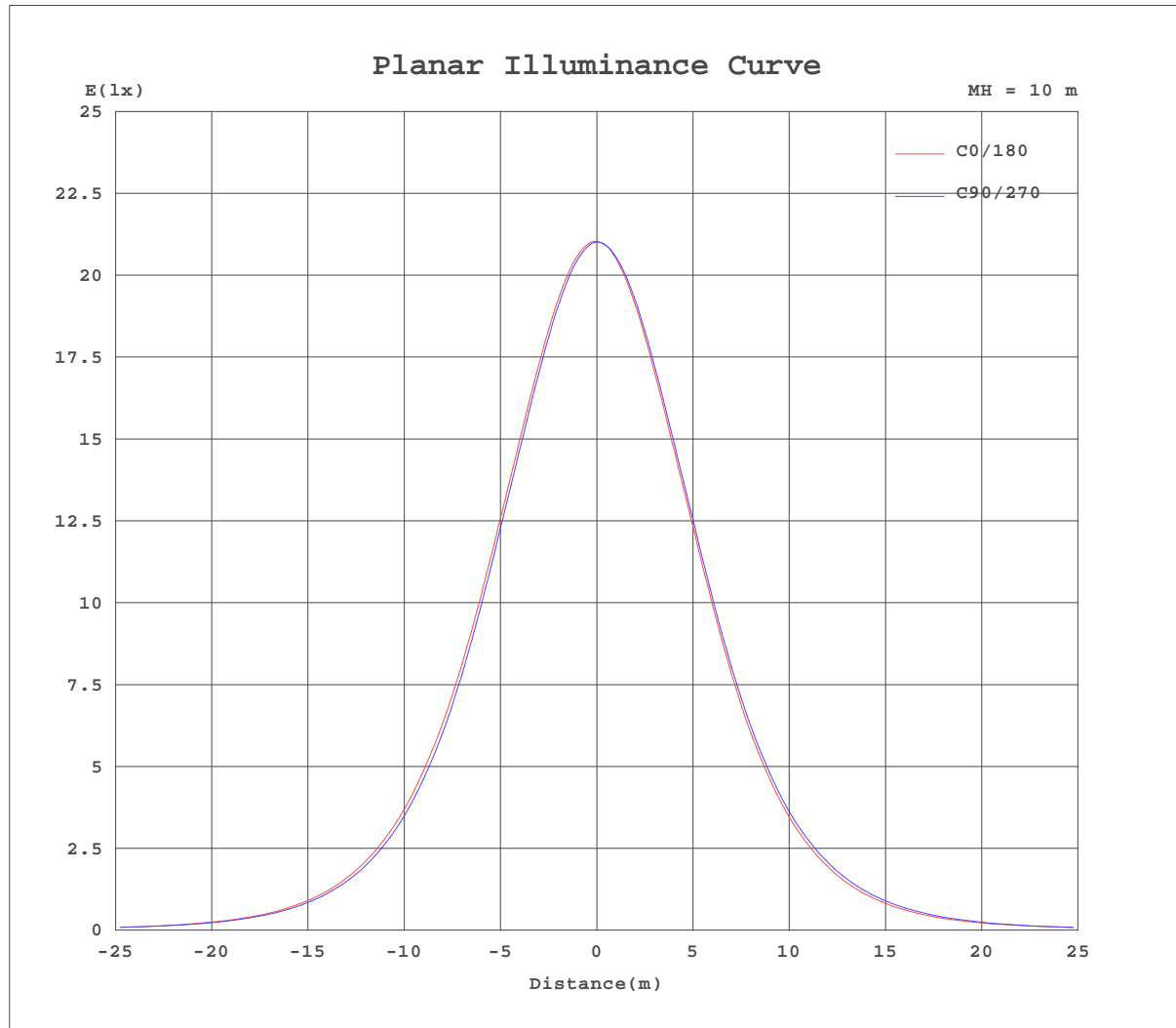
Test:U:120.4V I:0.2984A P:35.37W PF:0.9843 Lamp Flux:4179.09x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-4000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 M-4000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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