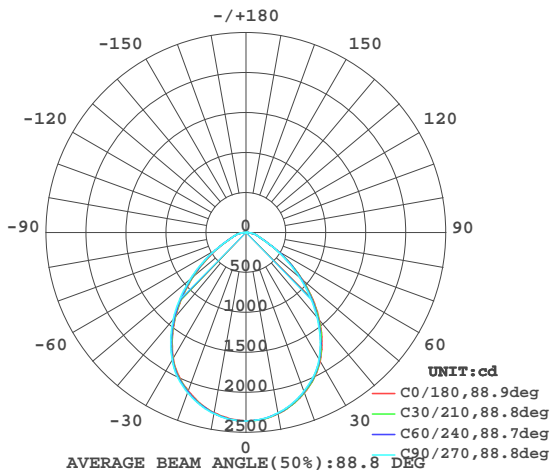


## LUMINAIRE PHOTOMETRIC TEST REPORT

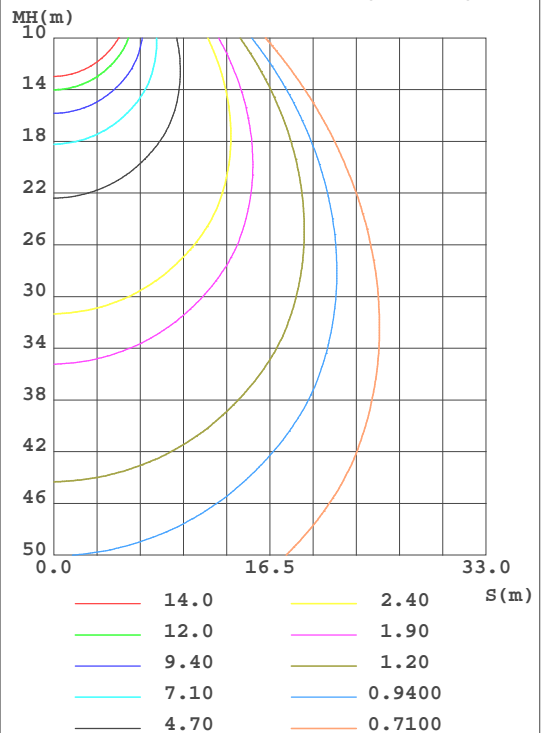
Test:U:120.1V I:0.3604A P:40.83W PF:0.9863 Lamp Flux:4738.89x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-5000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-5000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 116.06 lm/W			
MODEL		Imax(cd)	2360	S/MH(C0/180)	1.18
NOMINAL POWER(W)	40.83	LOR(%)	100.0	S/MH(C90/270)	1.16
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	4738.9	h UP,DN(C0-180)	0.1,50.2
NOMINAL FLUX(lm)	4738.89	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.1,49.6
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)



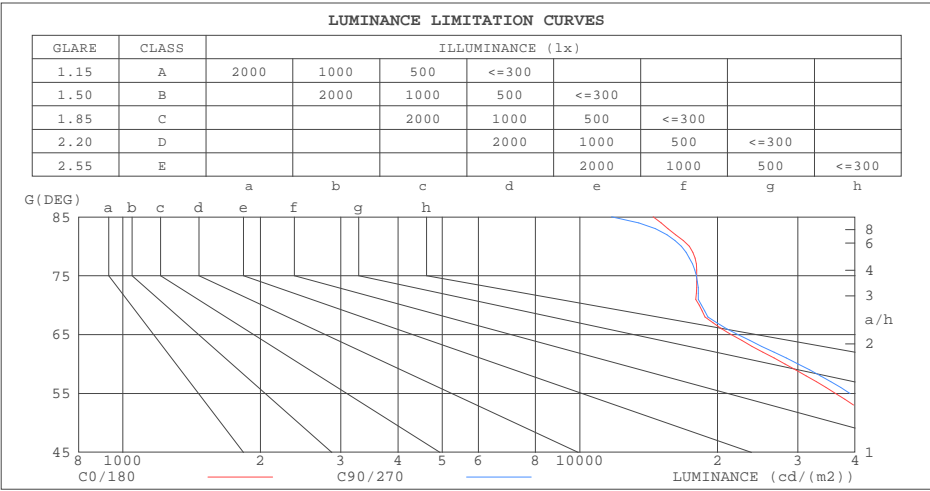
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2025-04-21

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-250421SHA-02\_F172  
V503254

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	2289	2297	2302	2306	2302	2295	2293	2290	0- 10	222.2	222.2	4.69
20	2109	2123	2133	2137	2134	2123	2115	2109	10- 20	626.4	848.6	17.9
30	1818	1838	1847	1861	1857	1837	1827	1818	20- 30	919.0	1768	37.3
40	1371	1392	1413	1435	1431	1399	1383	1365	30- 40	1017	2784	58.8
50	863.6	890.4	916.0	933.0	926.1	903.5	878.4	857.0	40- 50	883.9	3668	77.4
60	421.5	445.7	450.5	458.8	452.5	444.0	437.6	416.1	50- 60	587.5	4256	89.8
70	187.1	185.8	189.5	188.4	187.8	190.3	187.3	186.8	60- 70	285.8	4541	95.8
80	90.38	90.85	86.86	89.08	89.76	89.92	91.44	89.17	70- 80	147.9	4689	99
90	0.1885	0	0	0	0.0436	0	0	0	80- 90	39.81	4729	99.8
100	0	0	0	0	0	0	0	0	90-100	0.0018	4729	99.8
110	0.1739	0.2191	0.1670	0.2071	0.2750	0.2309	0.2768	0.2414	100-110	0.0547	4729	99.8
120	0.8368	0.8622	0.7990	0.8201	0.9336	0.9114	0.9624	0.9419	110-120	0.5225	4730	99.8
130	1.754	1.769	1.716	1.690	1.856	1.868	1.921	1.905	120-130	1.179	4731	99.8
140	2.846	2.849	2.786	2.738	2.919	2.960	3.025	2.985	130-140	1.802	4733	99.9
150	3.878	3.894	3.816	3.781	3.937	3.973	4.037	3.991	140-150	2.127	4735	99.9
160	4.715	4.748	4.686	4.668	4.773	4.821	4.862	4.804	150-160	2.003	4737	100
170	5.291	5.341	5.279	5.280	5.354	5.360	5.393	5.341	160-170	1.427	4738	100
180	5.522	5.554	5.536	5.511	5.522	5.566	5.536	5.499	170-180	0.5190	4739	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m²)		
G(°)	C0/180	C90/270
85	14478	11743
80	17355	16676
75	18033	17987
70	18241	18468
65	21464	22185
60	28110	30039
55	36311	39014
50	44800	47508
45	52693	55118

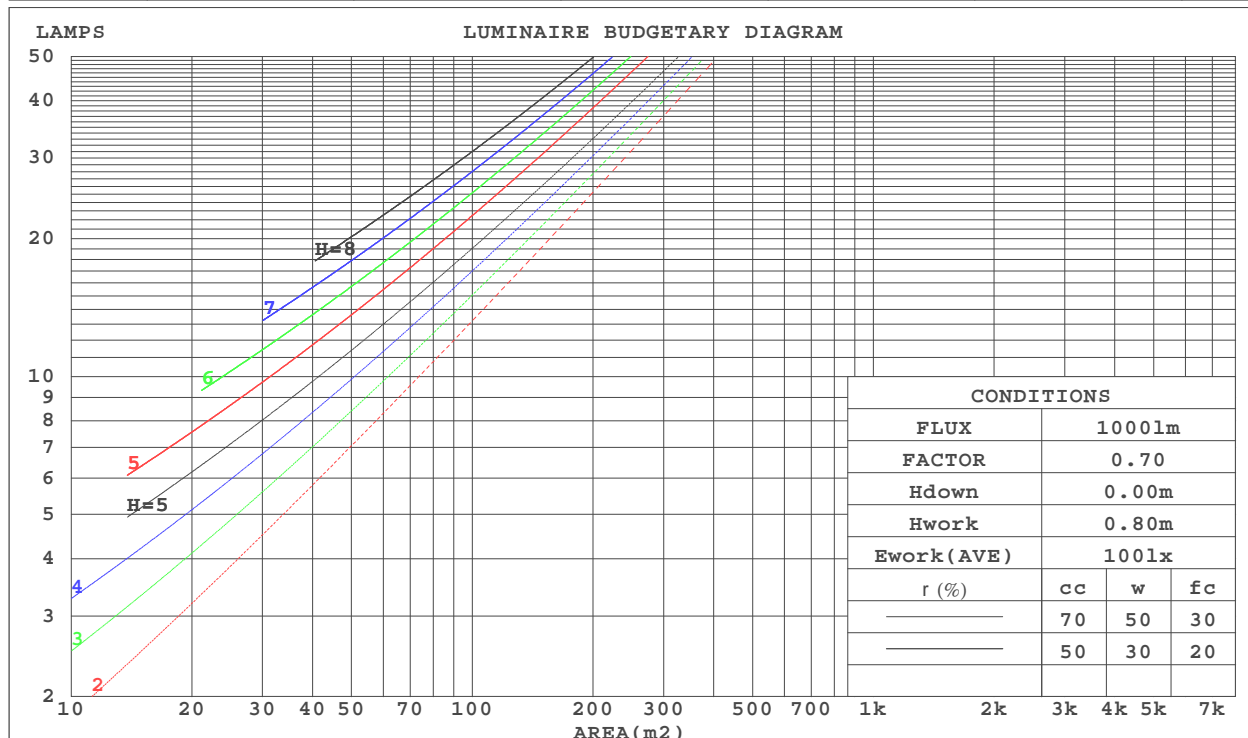
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2025-04-21

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-250421SHA-02\_F172  
V503254

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.1V I:0.3604A P:40.83W PF:0.9863 Lamp Flux:4738.89x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-5000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-5000K	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:2025-04-21

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-250421SHA-02\_F172  
V503254

## WEC AND CCEC

Test:U:120.1V I:0.3604A P:40.83W PF:0.9863 Lamp Flux:4738.89x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-5000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-5000K	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	.255	.145	.046	.248	.141	.045	.235	.135	.043	.223	.129	.041	.212	.123	.040	
2.0	.245	.134	.041	.239	.132	.041	.227	.126	.039	.217	.122	.038	.207	.117	.037	
3.0	.231	.123	.037	.226	.121	.036	.216	.117	.036	.206	.113	.035	.198	.110	.034	
4.0	.217	.113	.033	.212	.111	.033	.203	.108	.032	.195	.105	.032	.188	.102	.031	
5.0	.203	.104	.030	.199	.102	.030	.192	.100	.029	.184	.097	.029	.177	.095	.028	
6.0	.191	.096	.027	.187	.095	.027	.180	.093	.027	.174	.090	.027	.168	.088	.026	
7.0	.180	.089	.025	.177	.088	.025	.170	.086	.025	.165	.084	.025	.159	.083	.024	
8.0	.170	.083	.023	.167	.082	.023	.161	.080	.023	.156	.079	.023	.151	.077	.023	
9.0	.160	.077	.022	.158	.077	.022	.153	.075	.021	.148	.074	.021	.143	.073	.021	
10.0	.152	.073	.020	.149	.072	.020	.145	.071	.020	.140	.070	.020	.136	.069	.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	.168	.134	.105	.144	.115	.091	.098	.080	.063	.057	.046	.037	.018	.015	.012	
3.0	.159	.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	.017	.012	.008	
5.0	.143	.091	.053	.123	.079	.046	.085	.055	.032	.049	.032	.019	.016	.011	.006	
6.0	.136	.083	.044	.117	.071	.038	.081	.050	.027	.047	.029	.016	.015	.010	.005	
7.0	.130	.075	.037	.112	.065	.033	.077	.046	.023	.045	.027	.014	.014	.009	.005	
8.0	.124	.070	.032	.107	.060	.028	.074	.042	.020	.043	.025	.012	.014	.008	.004	
9.0	.118	.065	.028	.102	.056	.025	.071	.039	.018	.041	.023	.011	.013	.008	.003	
10.0	.113	.060	.025	.098	.052	.022	.068	.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:2025-04-21

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-250421SHA-02\_F172  
V503254

## UGR(Unified Glare Rating) Table

Test:U:120.1V I:0.3604A P:40.83W PF:0.9863 Lamp Flux:4738.89x1 lm										
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-5000K						WEIGHT:				
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-5000K						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	24.6	26.0	24.9	26.2	26.4	24.9	26.2	25.1	26.4	26.6
3H	25.1	26.3	25.4	26.5	26.8	25.3	26.5	25.6	26.7	27.0
4H	25.3	26.5	25.6	26.7	27.0	25.5	26.7	25.8	26.9	27.1
6H	25.5	26.6	25.8	26.9	27.1	25.7	26.8	26.0	27.0	27.3
8H	25.6	26.6	25.9	26.9	27.2	25.7	26.8	26.1	27.1	27.3
12H	25.6	26.6	26.0	26.9	27.2	25.7	26.8	26.1	27.0	27.3
4H 2H	24.8	26.0	25.1	26.2	26.5	25.0	26.2	25.3	26.4	26.7
3H	25.4	26.4	25.8	26.7	27.0	25.6	26.6	25.9	26.9	27.2
4H	25.8	26.7	26.1	27.0	27.3	25.9	26.8	26.3	27.2	27.5
6H	26.1	26.9	26.5	27.3	27.6	26.2	27.0	26.6	27.4	27.7
8H	26.3	27.0	26.7	27.4	27.7	26.3	27.1	26.7	27.5	27.8
12H	26.3	27.0	26.8	27.4	27.8	26.4	27.1	26.8	27.5	27.9
8H 4H	25.9	26.6	26.3	27.0	27.4	26.0	26.8	26.4	27.1	27.5
6H	26.4	27.0	26.8	27.4	27.8	26.4	27.1	26.9	27.5	27.9
8H	26.6	27.1	27.0	27.5	28.0	26.6	27.2	27.1	27.6	28.0
12H	26.7	27.2	27.2	27.6	28.1	26.7	27.2	27.2	27.6	28.1
12H 4H	25.9	26.6	26.3	26.9	27.3	26.0	26.7	26.4	27.1	27.5
6H	26.4	26.9	26.8	27.4	27.8	26.5	27.0	26.9	27.4	27.9
8H	26.6	27.1	27.1	27.5	28.0	26.7	27.1	27.2	27.6	28.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.6					+ 0.5 / - 0.6				
1.5H	+ 0.3 / - 0.3					+ 0.3 / - 0.4				
2.0H	+ 1.1 / - 1.1					+ 1.1 / - 1.3				

CIE Pub.117 Corrected 4739 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.4)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2025-04-21

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-250421SHA-02\_F172  
V503254

### UTILIZATION FACTORS TABLE

Test:U:120.1V I:0.3604A P:40.83W PF:0.9863 Lamp Flux:4738.89x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-5000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-5000K	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	55	49	65	55	49	64	55	49	43
0.80	76	66	59	75	65	59	73	64	59	53
1.00	84	74	68	82	74	68	80	75	67	61
1.25	90	81	76	89	81	75	86	79	74	68
1.50	94	86	81	93	86	80	90	84	79	73
2.00	100	93	88	98	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	96	88
5.00	111	107	104	108	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:2025-04-21

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-250421SHA-02\_F172  
V503254

## ISOCANDELA DIAGRAM

Test:U:120.1V I:0.3604A P:40.83W PF:0.9863 Lamp Flux:4738.89x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-5000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-5000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

3255.8 lm

%lum = 68.7%

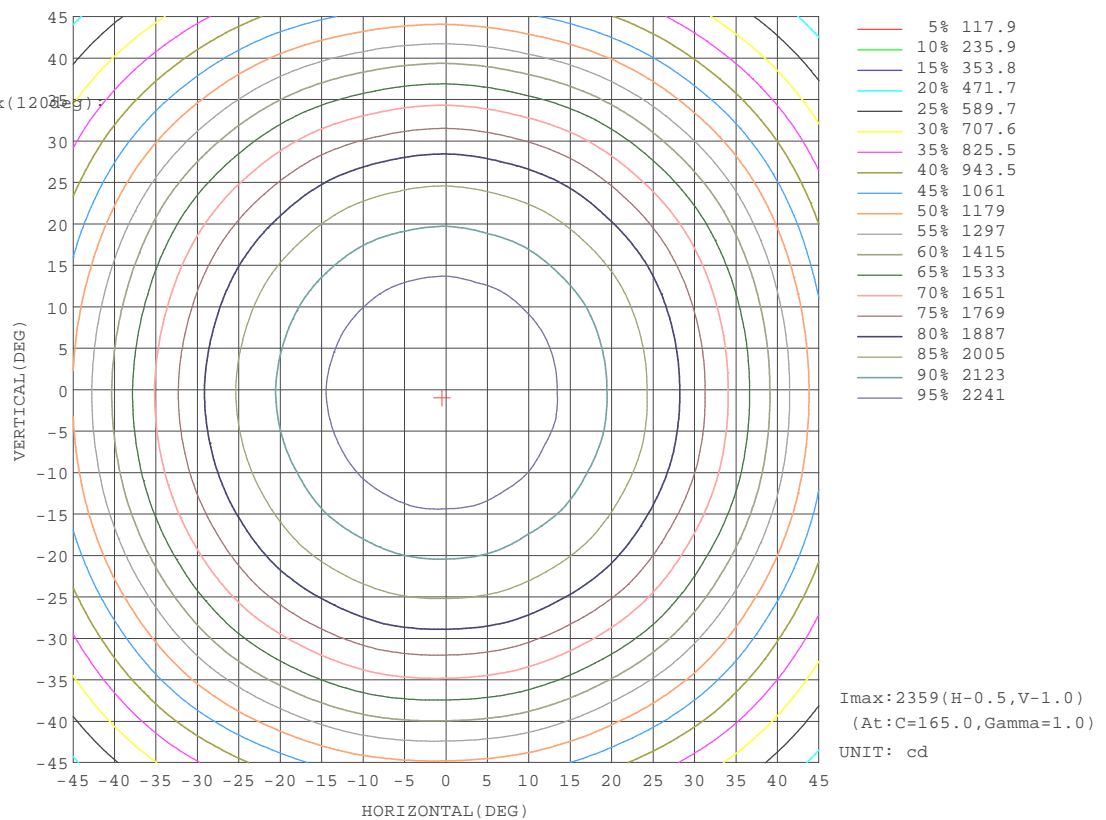
%lamp = 68.7%

Conical surface Flux(120deg):

4255.7 lm

%lum = 89.8%

%lamp = 89.8%



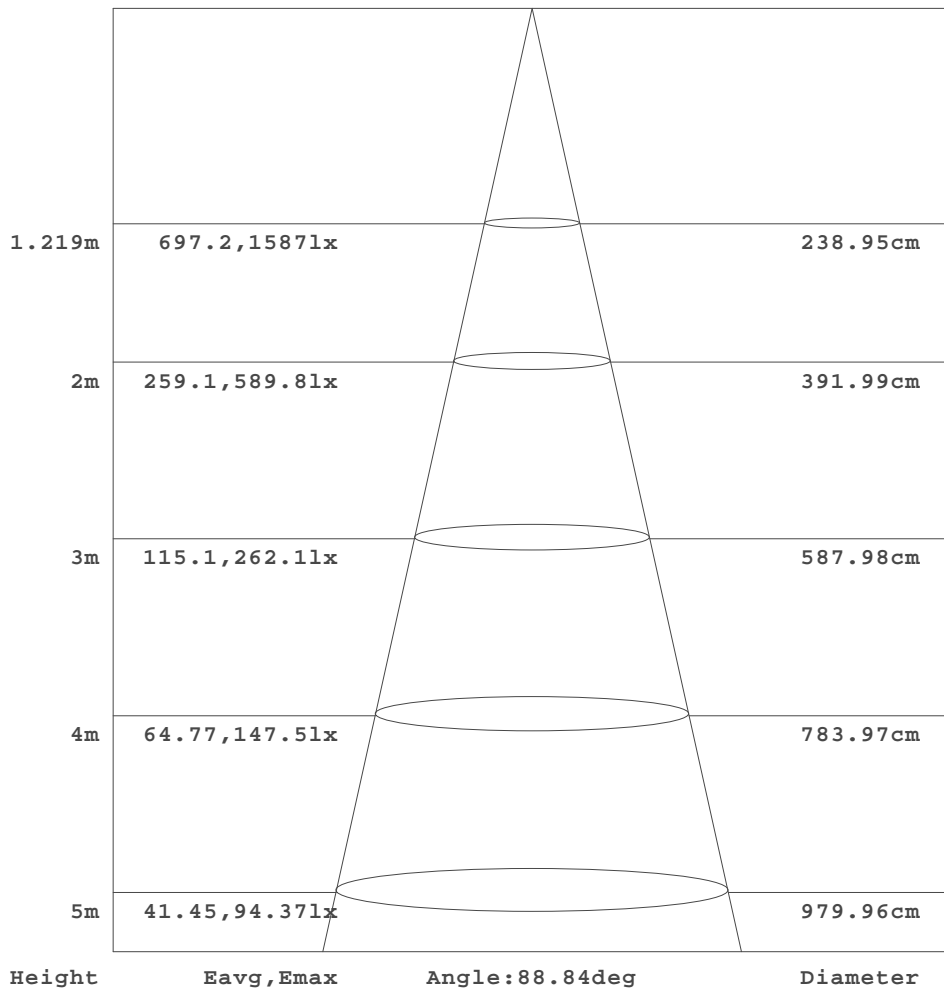
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Aaron  
Test Date: 2025-04-21

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-250421SHA-02\_F172  
V503254

### AAI Figure

Test:U:120.1V I:0.3604A P:40.83W PF:0.9863 Lamp Flux:4738.89x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-5000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-5000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:3256 lm



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

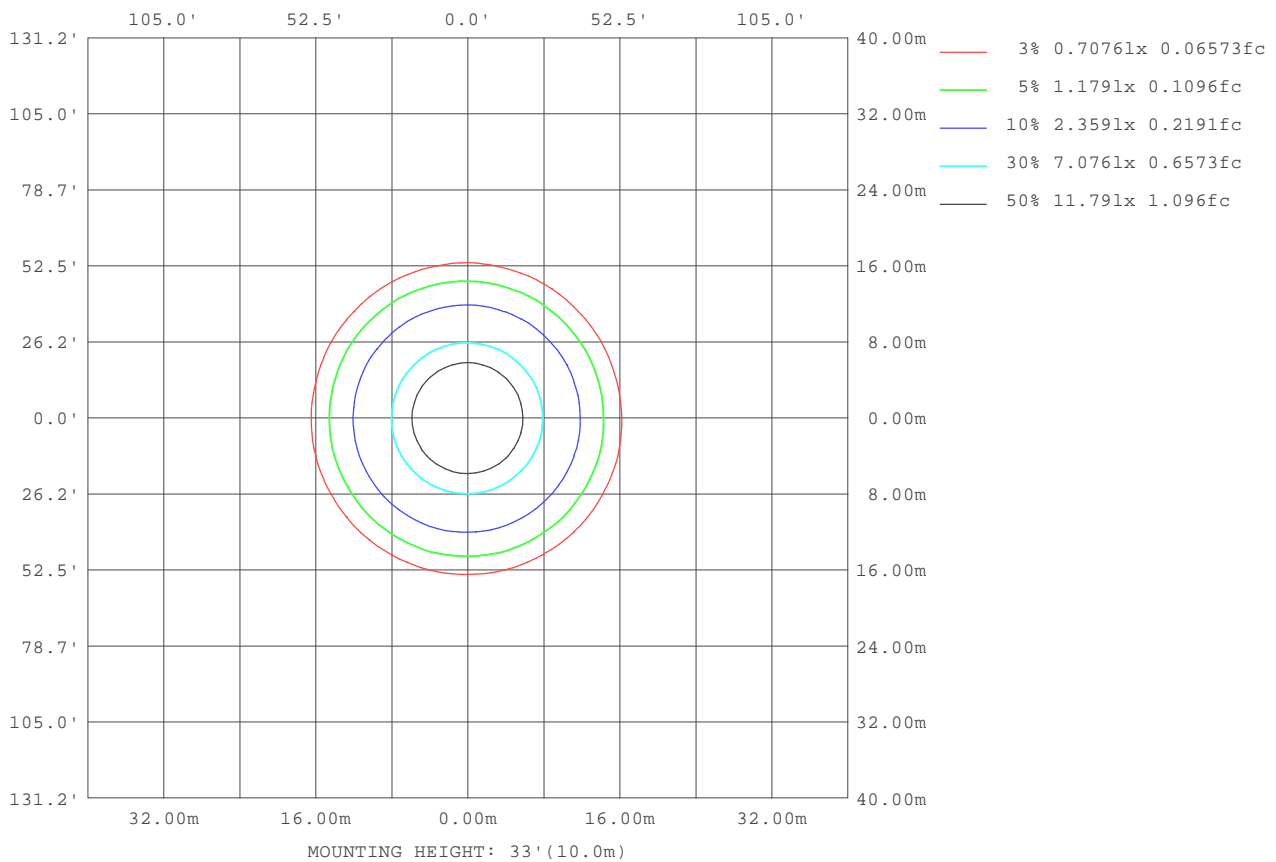
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Aaron  
Test Date: 2025-04-21

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-250421SHA-02\_F172  
V503254



ISOLUX DIAGRAM

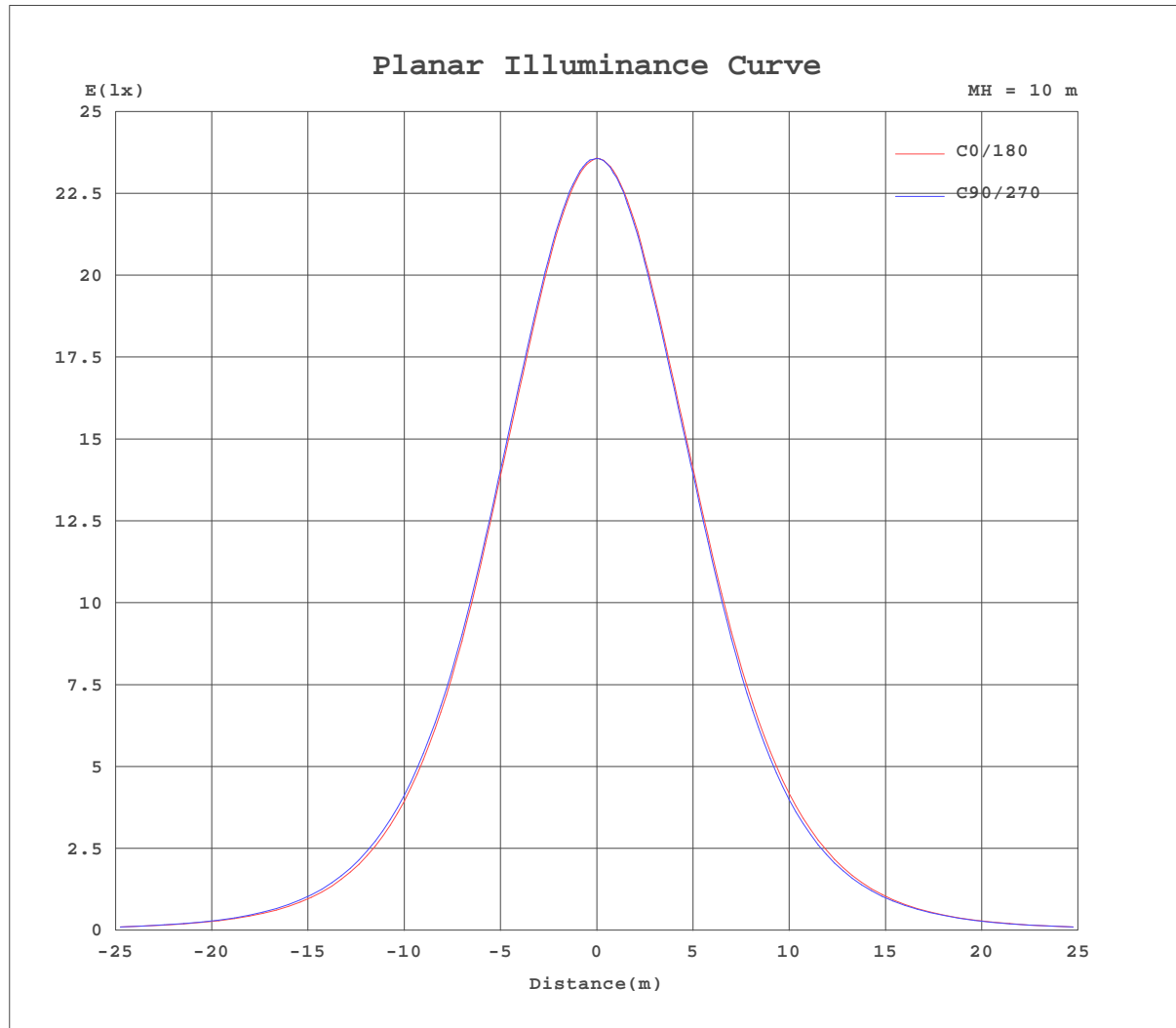
Test:U:120.1V I:0.3604A P:40.83W PF:0.9863 Lamp Flux:4738.89x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-5000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-5000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2025-04-21

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-250421SHA-02\_F172  
V503254

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Aaron  
Test Date: 2025-04-21

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-250421SHA-02\_F172  
V503254