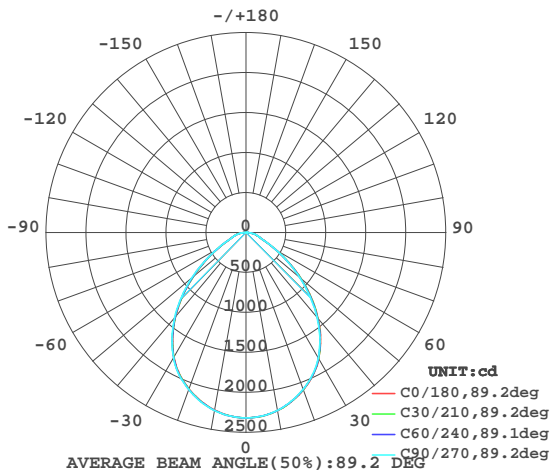


## LUMINAIRE PHOTOMETRIC TEST REPORT

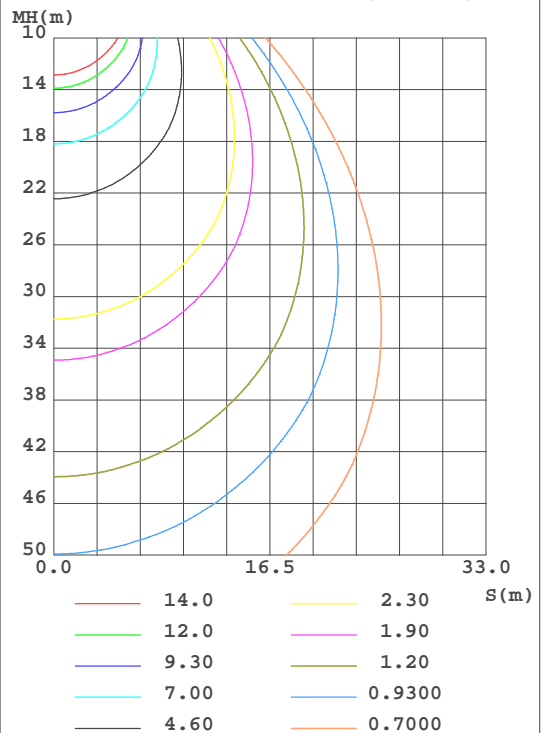
Test:U:120.2V I:0.3382A P:40.08W PF:0.9865 Lamp Flux:4666.34x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-3500K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-3500K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 116.43 lm/W			
MODEL		Imax(cd)	2319	S/MH(C0/180)	1.18
NOMINAL POWER(W)	40.08	LOR(%)	100.0	S/MH(C90/270)	1.17
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	4666.3	h UP,DN(C0-180)	0.1,50.0
NOMINAL FLUX(lm)	4666.34	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.1,49.8
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)



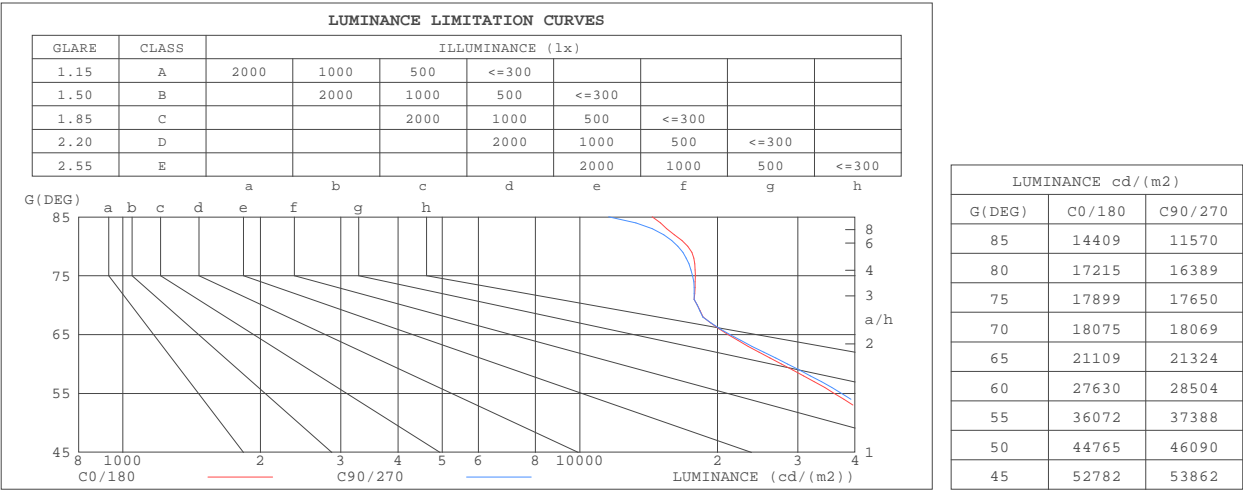
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2025-04-22

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	2256	2262	2261	2261	2264	2261	2259	2255	0~ 10	218.5	218.5	4.68
20	2083	2092	2093	2094	2096	2090	2088	2082	10~ 20	616.3	834.8	17.9
30	1802	1813	1814	1822	1822	1811	1811	1802	20~ 30	905.0	1740	37.3
40	1371	1381	1389	1404	1406	1389	1383	1369	30~ 40	1005	2745	58.8
50	863.6	877.3	888.6	902.2	901.0	892.1	880.5	862.2	40~ 50	875.2	3620	77.6
60	414.6	427.5	427.5	433.9	430.9	428.0	429.2	412.8	50~ 60	573.8	4194	89.9
70	185.5	182.7	185.4	184.0	183.9	187.7	186.1	185.9	60~ 70	277.9	4472	95.8
80	89.72	89.85	85.36	87.22	87.92	88.71	90.54	88.61	70~ 80	146.0	4618	99
90	0.1124	0	0	0	0.0437	0	0	0.0002	80~ 90	39.29	4657	99.8
100	0	0	0	0	0	0	0	0	90~100	0.0012	4657	99.8
110	0.1486	0.2006	0.1491	0.2006	0.2510	0.1924	0.2515	0.1992	100~110	0.0451	4657	99.8
120	0.7801	0.8206	0.7744	0.8133	0.8946	0.8618	0.9085	0.8669	110~120	0.4903	4658	99.8
130	1.681	1.708	1.666	1.680	1.801	1.799	1.838	1.814	120~130	1.134	4659	99.8
140	2.742	2.770	2.734	2.724	2.865	2.869	2.913	2.890	130~140	1.750	4660	99.9
150	3.768	3.807	3.753	3.748	3.872	3.875	3.920	3.890	140~150	2.079	4662	99.9
160	4.607	4.639	4.604	4.603	4.701	4.700	4.737	4.695	150~160	1.963	4664	100
170	5.170	5.219	5.173	5.196	5.245	5.250	5.280	5.238	160~170	1.399	4666	100
180	5.401	5.438	5.417	5.408	5.395	5.438	5.411	5.414	170~180	0.5077	4666	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



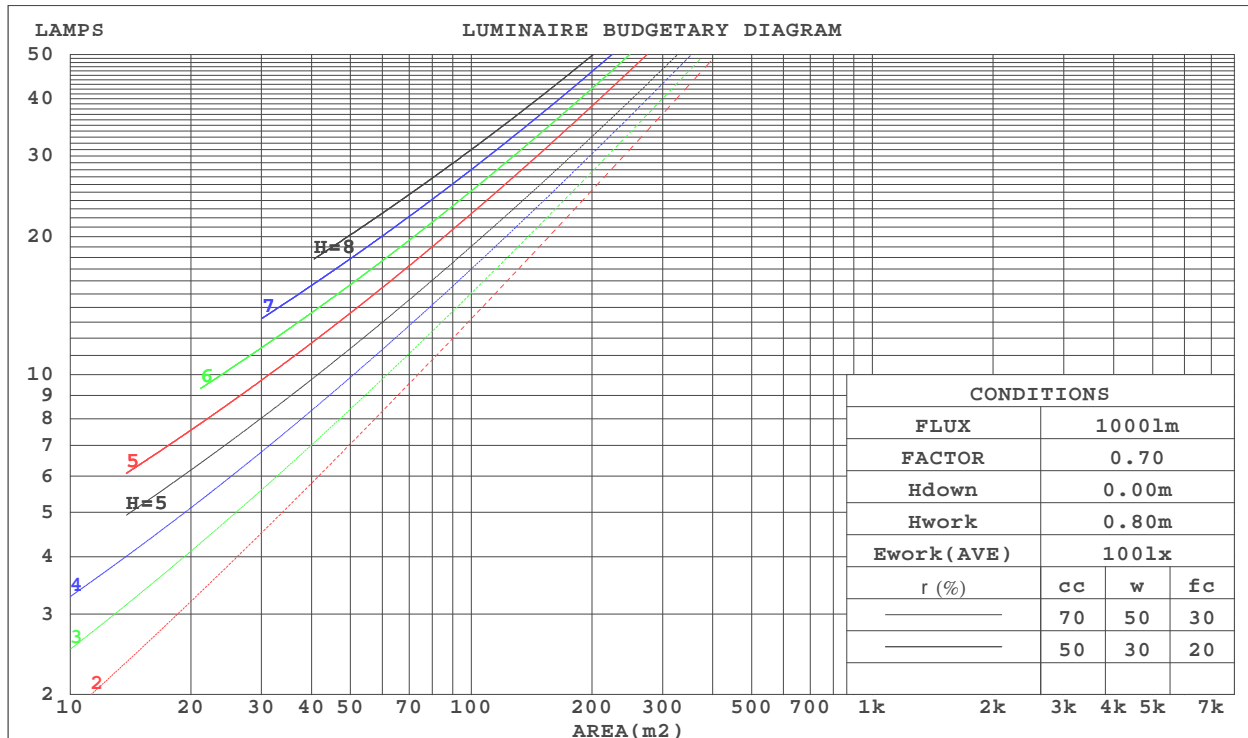
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2025-04-22

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:120.2V I:0.3382A P:40.08W PF:0.9865 Lamp Flux:4666.34x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-3500K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-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															



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2025-04-22

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:120.2V I:0.3382A P:40.08W PF:0.9865 Lamp Flux:4666.34x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-3500K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-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	.255	.145	.046	.248	.141	.045	.235	.135	.043	.223	.128	.041	.212	.123	.040	
2.0	.245	.134	.041	.239	.131	.040	.227	.126	.039	.217	.122	.038	.207	.117	.037	
3.0	.231	.123	.037	.225	.121	.036	.216	.117	.035	.206	.113	.035	.198	.109	.034	
4.0	.217	.113	.033	.212	.111	.033	.203	.108	.032	.195	.105	.032	.187	.102	.031	
5.0	.203	.104	.030	.199	.102	.030	.191	.100	.029	.184	.097	.029	.177	.095	.028	
6.0	.191	.096	.027	.187	.095	.027	.180	.092	.027	.174	.090	.027	.168	.088	.026	
7.0	.180	.089	.025	.176	.088	.025	.170	.086	.025	.164	.084	.025	.159	.083	.024	
8.0	.169	.083	.023	.167	.082	.023	.161	.080	.023	.156	.079	.023	.151	.077	.023	
9.0	.160	.077	.022	.157	.077	.022	.152	.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	.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	.017	.012	.008	
5.0	.143	.091	.053	.123	.079	.046	.085	.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	.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	.010	.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:2025-04-22

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:120.2V I:0.3382A P:40.08W PF:0.9865 Lamp Flux:4666.34x1 lm										
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-3500K						WEIGHT:				
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-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	24.6	25.9	24.9	26.1	26.3	24.7	26.1	25.0	26.3	26.4
3H	25.0	26.3	25.3	26.5	26.7	25.1	26.4	25.4	26.6	26.8
4H	25.3	26.4	25.6	26.7	26.9	25.3	26.5	25.7	26.8	27.0
6H	25.5	26.6	25.8	26.8	27.1	25.5	26.6	25.9	26.9	27.2
8H	25.6	26.6	25.9	26.9	27.2	25.6	26.6	25.9	26.9	27.2
12H	25.6	26.6	25.9	26.9	27.2	25.6	26.6	26.0	26.9	27.2
4H 2H	24.8	25.9	25.1	26.2	26.4	24.9	26.0	25.2	26.3	26.5
3H	25.4	26.4	25.7	26.7	27.0	25.4	26.5	25.8	26.7	27.0
4H	25.7	26.6	26.1	27.0	27.3	25.8	26.7	26.2	27.0	27.3
6H	26.1	26.9	26.5	27.2	27.6	26.1	26.9	26.5	27.3	27.6
8H	26.2	27.0	26.6	27.3	27.7	26.2	27.0	26.6	27.3	27.7
12H	26.3	27.0	26.7	27.4	27.8	26.3	26.9	26.7	27.3	27.7
8H 4H	25.8	26.6	26.2	26.9	27.3	25.9	26.6	26.3	27.0	27.4
6H	26.3	26.9	26.8	27.3	27.8	26.3	26.9	26.8	27.3	27.8
8H	26.5	27.1	27.0	27.5	27.9	26.5	27.0	27.0	27.5	27.9
12H	26.7	27.1	27.1	27.6	28.1	26.6	27.1	27.1	27.5	28.0
12H 4H	25.8	26.5	26.2	26.9	27.3	25.9	26.6	26.3	26.9	27.4
6H	26.3	26.9	26.8	27.3	27.8	26.4	26.9	26.8	27.3	27.8
8H	26.6	27.0	27.1	27.5	28.0	26.6	27.0	27.0	27.5	28.0
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 / - 0.3				
2.0H	+ 1.2 / - 1.2					+ 1.2 / - 1.3				

CIE Pub.117 Corrected 4666 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:2025-04-22

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:120.2V I:0.3382A P:40.08W PF:0.9865 Lamp Flux:4666.34x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-3500K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-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	55	49	65	55	49	64	55	49	43
0.80	76	66	59	75	65	59	73	65	59	53
1.00	84	74	68	83	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	97	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:2025-04-22

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:120.2V I:0.3382A P:40.08W PF:0.9865 Lamp Flux:4666.34x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-3500K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-3500K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

3212.3 lm

%lum = 68.8%

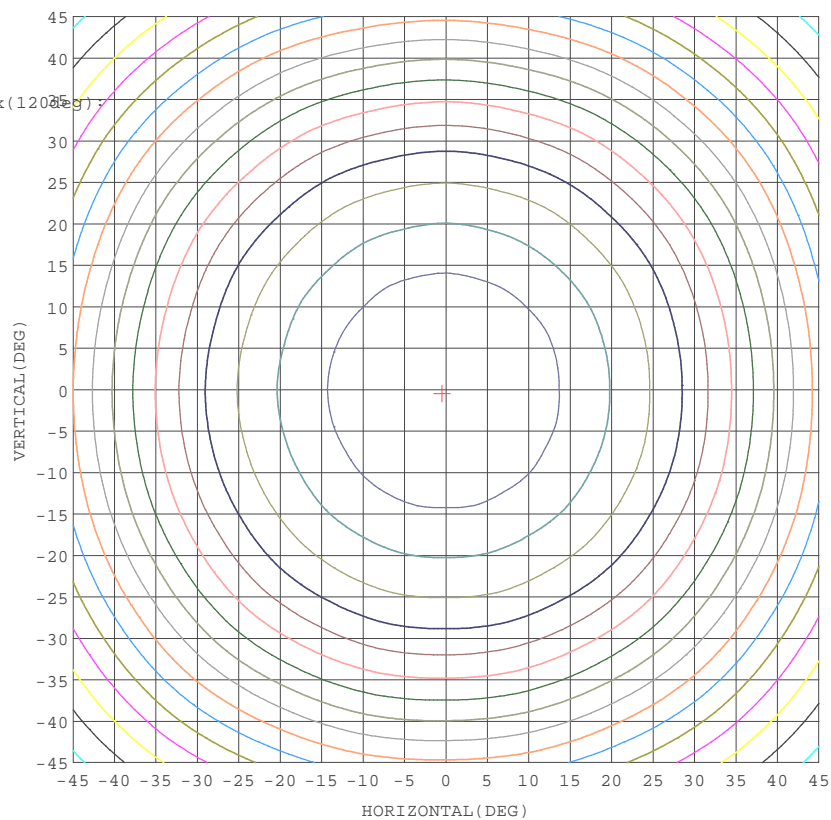
%lamp = 68.8%

Conical surface Flux(120deg):

4193.9 lm

%lum = 89.9%

%lamp = 89.9%

Imax:2319 (H=0.5,V=0.5)  
(At:C=45.0,Gamma=1.0)

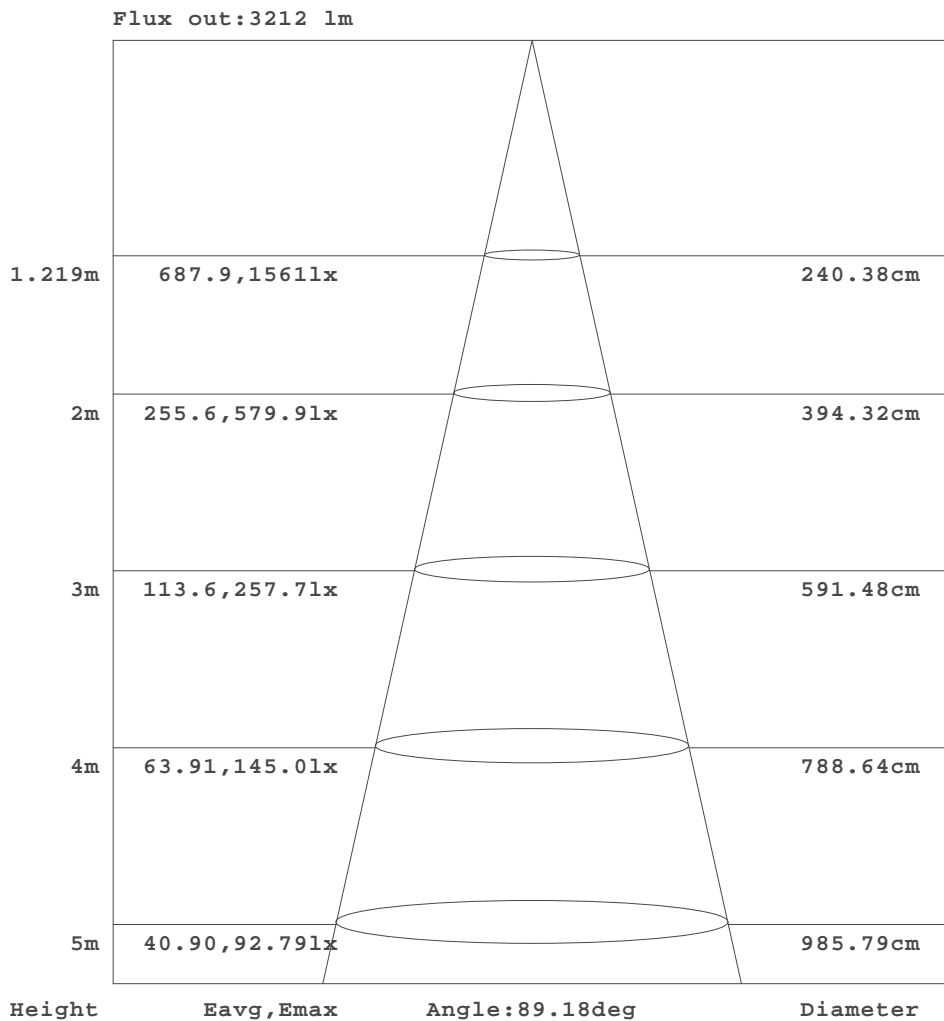
UNIT: cd

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2025-04-22

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:120.2V I:0.3382A P:40.08W PF:0.9865 Lamp Flux:4666.34x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-3500K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-3500K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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

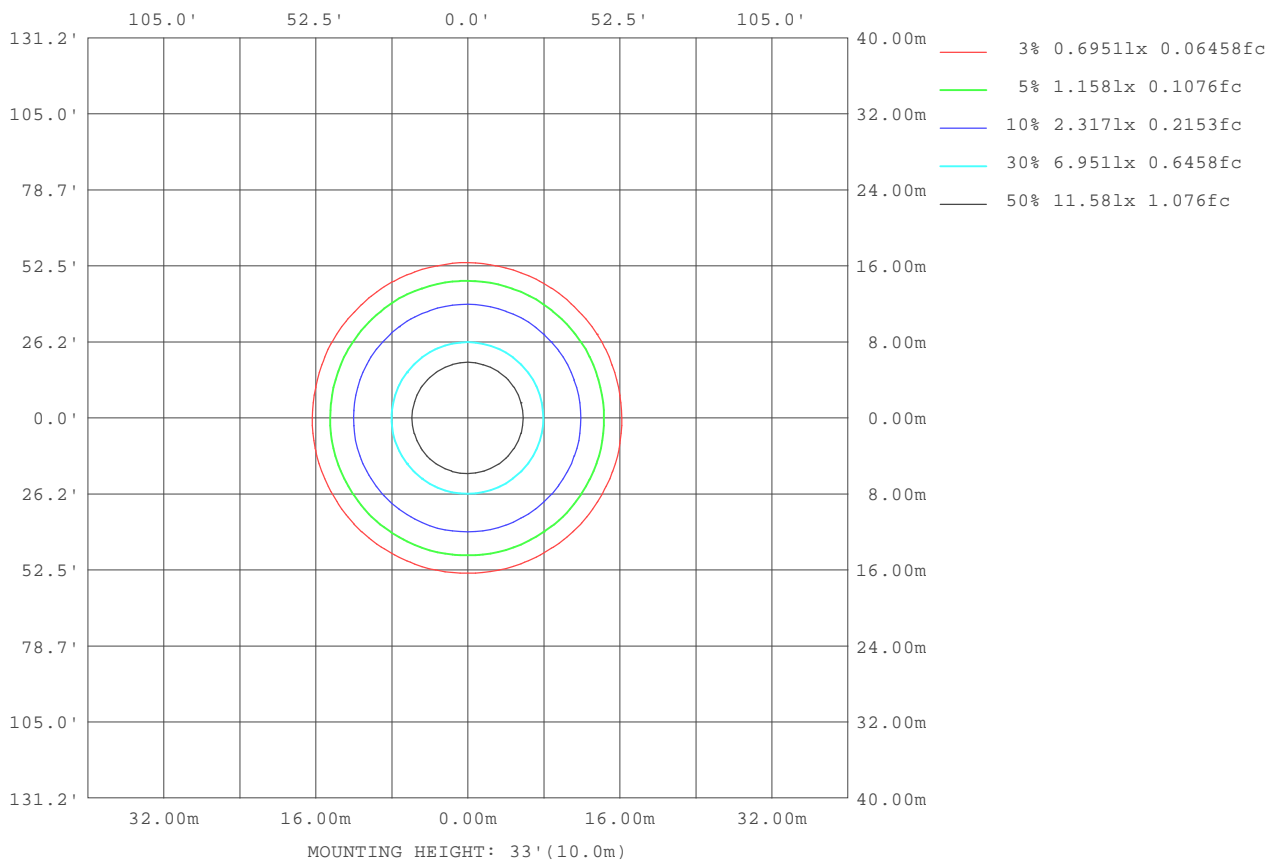
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Aaron  
Test Date: 2025-04-22

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

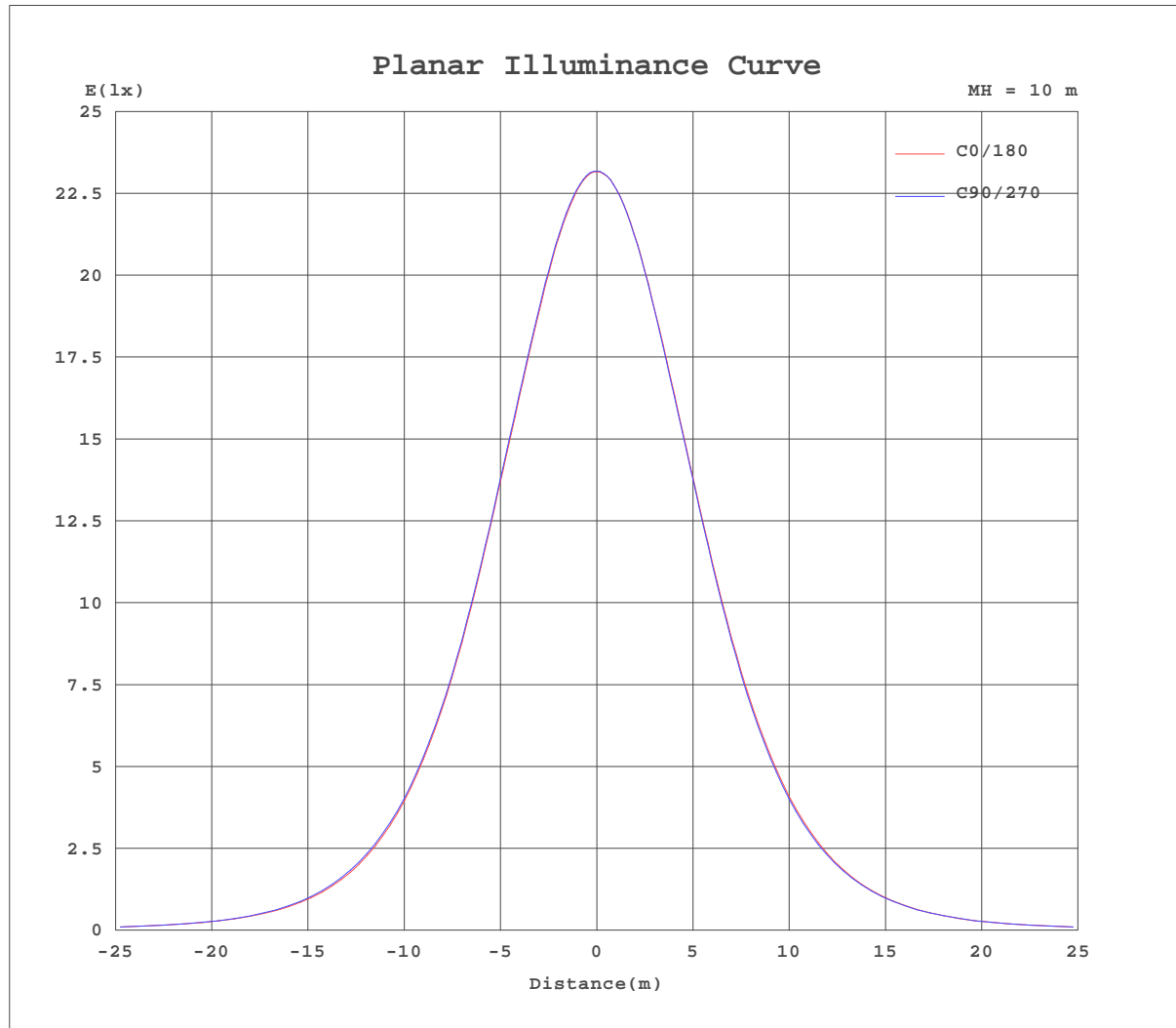
Test:U:120.2V I:0.3382A P:40.08W PF:0.9865 Lamp Flux:4666.34x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-3500K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-3500K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Aaron  
Test Date: 2025-04-22

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: 2025-04-22

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