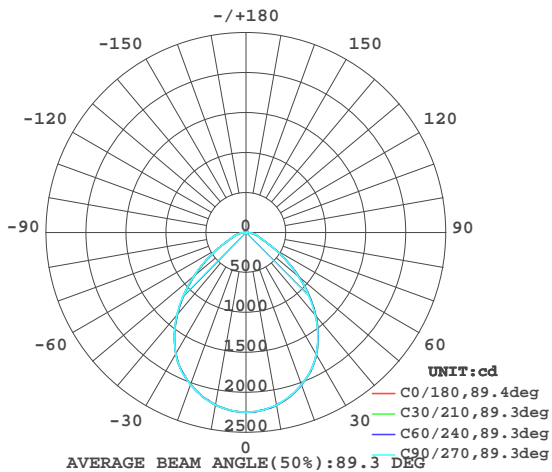


LUMINAIRE PHOTOMETRIC TEST REPORT

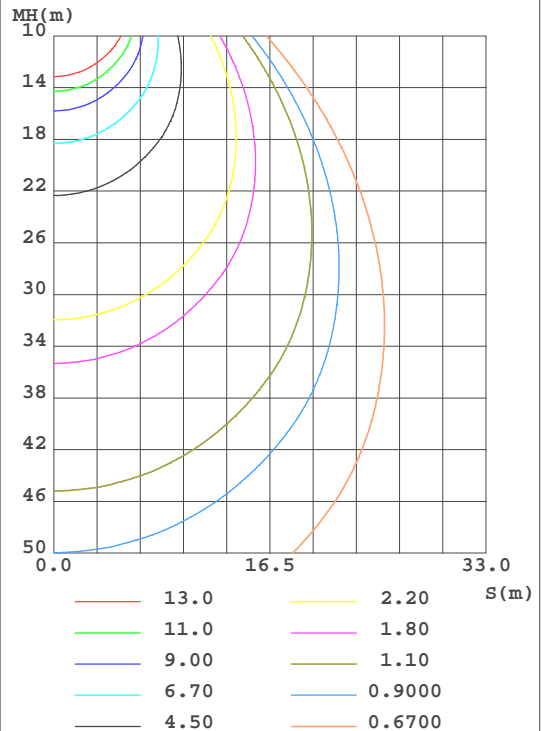
Test:U:120.2V I:0.3416A P:40.44W PF:0.9869 Lamp Flux:4524.59x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-3000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-3000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 111.88 lm/W			
MODEL		Imax(cd)	2248	S/MH(C0/180)	1.17
NOMINAL POWER(W)	40.44	LOR(%)	100.0	S/MH(C90/270)	1.17
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	4524.6	h UP,DN(C0-180)	0.1,49.9
NOMINAL FLUX(lm)	4524.59	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.1,49.9
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)



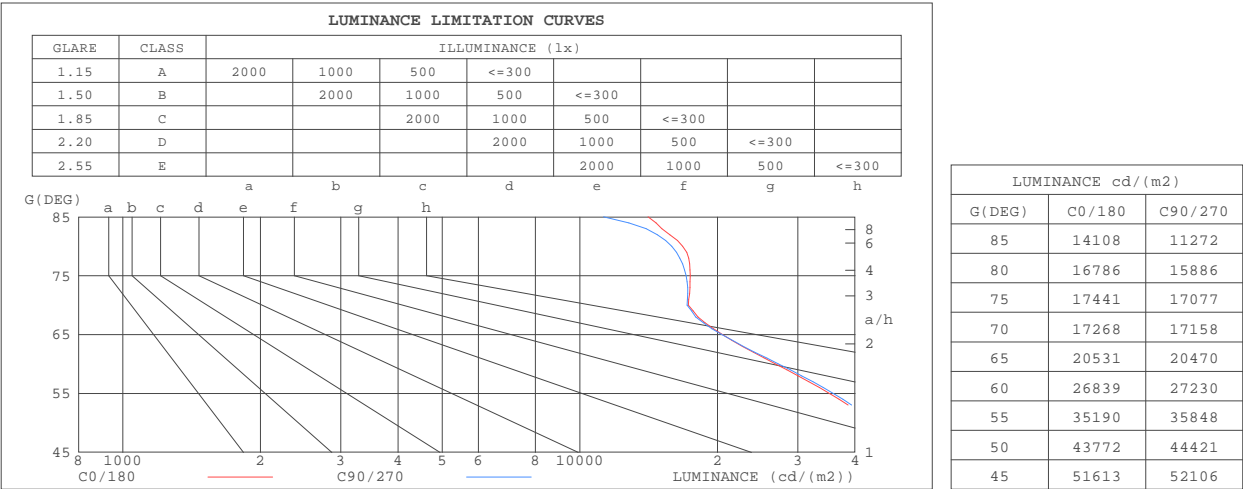
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2025-04-22

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	2190	2191	2190	2193	2193	2190	2189	2189	0~ 10	211.8	211.8	4.68
20	2021	2025	2026	2030	2031	2024	2024	2022	10~ 20	597.4	809.2	17.9
30	1753	1758	1757	1764	1765	1757	1758	1754	20~ 30	877.5	1687	37.3
40	1338	1342	1345	1360	1360	1350	1348	1339	30~ 40	976.2	2663	58.9
50	844.2	850.9	855.9	869.7	869.1	863.6	859.6	845.1	40~ 50	850.7	3514	77.7
60	402.7	411.1	408.1	415.8	413.0	411.4	416.5	401.6	50~ 60	554.7	4068	89.9
70	177.2	177.1	175.9	178.2	178.2	178.9	180.6	177.8	60~ 70	267.8	4336	95.8
80	87.46	87.15	82.69	84.47	85.08	85.97	87.93	86.35	70~ 80	141.5	4478	99
90	0.1273	0	0	0	0.0122	0	0	0.0001	80~ 90	38.12	4516	99.8
100	0	0	0	0	0	0	0	0	90~100	0.0010	4516	99.8
110	0.1181	0.1633	0.1247	0.1760	0.2324	0.1739	0.2199	0.1740	100~110	0.0357	4516	99.8
120	0.7250	0.7687	0.7305	0.7695	0.8502	0.8099	0.8516	0.8183	110~120	0.4525	4516	99.8
130	1.592	1.621	1.596	1.616	1.728	1.705	1.742	1.729	120~130	1.076	4517	99.8
140	2.624	2.649	2.632	2.634	2.757	2.747	2.791	2.776	130~140	1.676	4519	99.9
150	3.612	3.660	3.619	3.633	3.739	3.735	3.774	3.750	140~150	2.001	4521	99.9
160	4.431	4.473	4.445	4.460	4.537	4.522	4.554	4.539	150~160	1.893	4523	100
170	4.981	5.028	5.001	5.022	5.063	5.046	5.077	5.034	160~170	1.349	4524	100
180	5.200	5.221	5.201	5.215	5.200	5.234	5.208	5.215	170~180	0.4896	4525	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



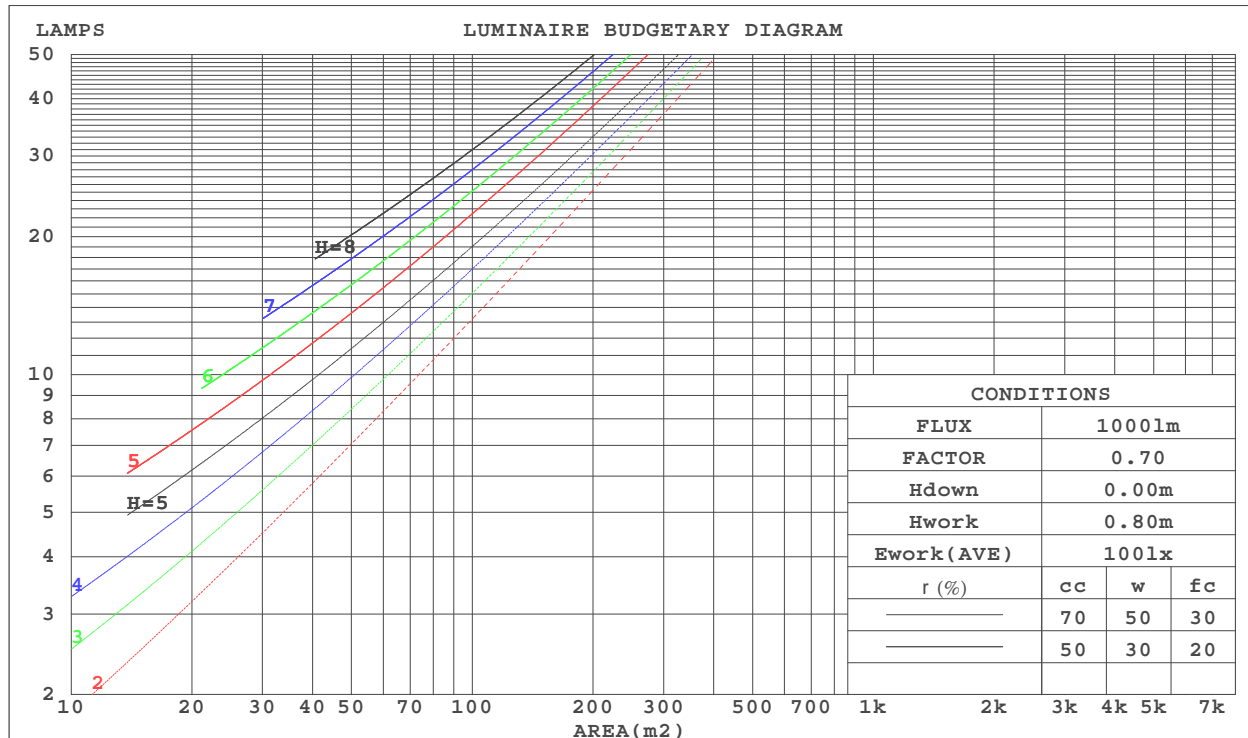
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2025-04-22

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:0.3416A P:40.44W PF:0.9869 Lamp Flux:4524.59x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-3000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-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:2025-04-22

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:0.3416A P:40.44W PF:0.9869 Lamp Flux:4524.59x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-3000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-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	.255	.145	.046	.248	.141	.045	.235	.135	.043	.223	.128	.041	.211	.123	.040	
2.0	.245	.134	.041	.238	.131	.040	.227	.126	.039	.217	.122	.038	.207	.117	.037	
3.0	.231	.123	.037	.225	.121	.036	.215	.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	.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	.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	.097	.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:0.3416A P:40.44W PF:0.9869 Lamp Flux:4524.59x1 lm										
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-3000K						WEIGHT:				
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-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	24.5	25.8	24.8	26.0	26.2	24.6	25.9	24.8	26.1	26.3
3H	24.9	26.2	25.2	26.4	26.6	25.0	26.2	25.3	26.4	26.7
4H	25.2	26.3	25.5	26.6	26.8	25.2	26.4	25.5	26.6	26.9
6H	25.4	26.5	25.7	26.7	27.0	25.4	26.5	25.7	26.8	27.0
8H	25.5	26.5	25.8	26.8	27.1	25.5	26.5	25.8	26.8	27.1
12H	25.5	26.5	25.8	26.8	27.1	25.5	26.5	25.8	26.8	27.1
4H 2H	24.7	25.8	25.0	26.1	26.3	24.7	25.9	25.0	26.1	26.4
3H	25.3	26.3	25.6	26.6	26.9	25.3	26.3	25.6	26.6	26.9
4H	25.6	26.5	26.0	26.8	27.2	25.6	26.6	26.0	26.9	27.2
6H	26.0	26.8	26.4	27.1	27.5	26.0	26.8	26.4	27.1	27.5
8H	26.1	26.9	26.5	27.2	27.6	26.1	26.8	26.5	27.2	27.6
12H	26.2	26.9	26.6	27.3	27.7	26.1	26.8	26.5	27.2	27.6
8H 4H	25.7	26.5	26.1	26.8	27.2	25.7	26.5	26.2	26.9	27.2
6H	26.2	26.8	26.7	27.2	27.7	26.2	26.8	26.6	27.2	27.6
8H	26.4	27.0	26.9	27.4	27.8	26.4	26.9	26.8	27.3	27.8
12H	26.6	27.0	27.0	27.5	28.0	26.5	26.9	26.9	27.4	27.9
12H 4H	25.7	26.4	26.1	26.8	27.2	25.7	26.4	26.2	26.8	27.2
6H	26.2	26.8	26.7	27.2	27.7	26.2	26.8	26.7	27.2	27.6
8H	26.5	26.9	27.0	27.4	27.9	26.4	26.9	26.9	27.3	27.8
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 / - 1.2					+ 1.2 / - 1.3				

CIE Pub.117 Corrected 4525 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.2)

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:0.3416A P:40.44W PF:0.9869 Lamp Flux:4524.59x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-3000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-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) $k(RI) \times RCR = 5$									
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	81	75	67	61
1.25	90	82	76	89	81	75	86	79	74	68
1.50	95	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:0.3416A P:40.44W PF:0.9869 Lamp Flux:4524.59x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-3000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-3000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

3117.3 lm

%lum = 68.9%

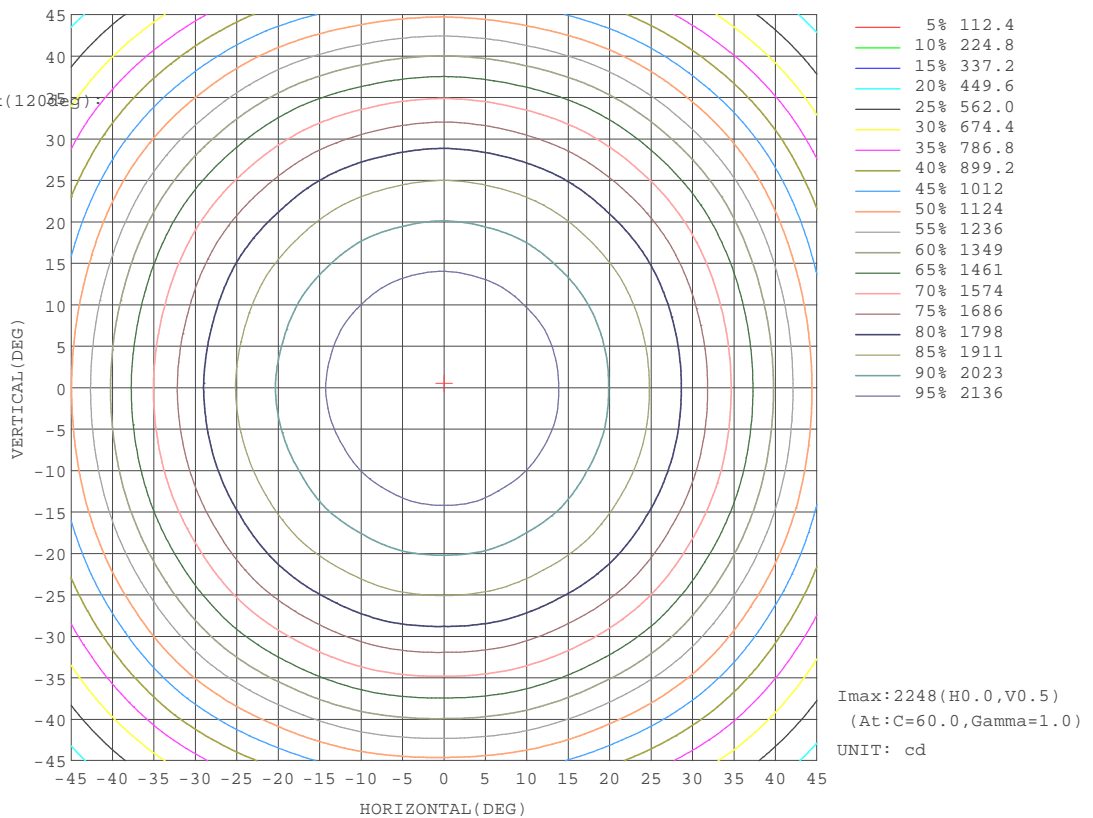
%lamp = 68.9%

Conical surface Flux(120deg):

4068.2 lm

%lum = 89.9%

%lamp = 89.9%

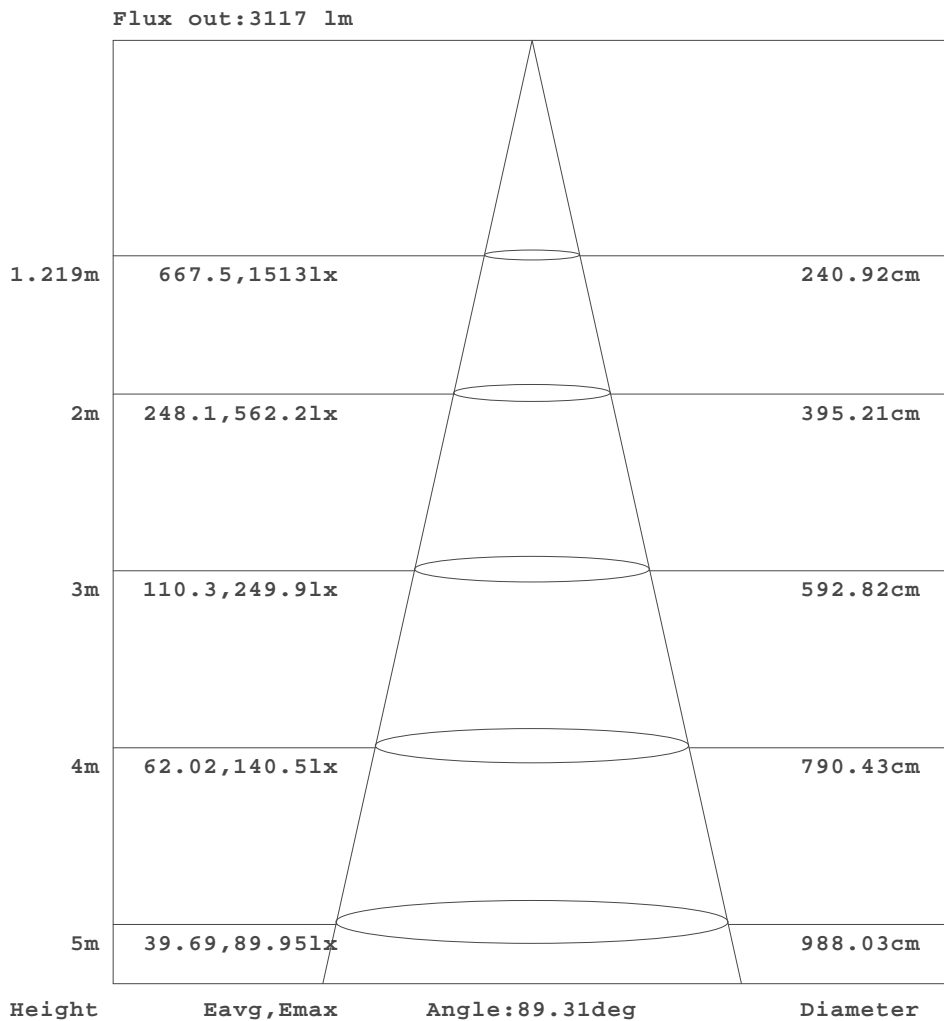


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2025-04-22

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:0.3416A P:40.44W PF:0.9869 Lamp Flux:4524.59x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-3000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-3000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



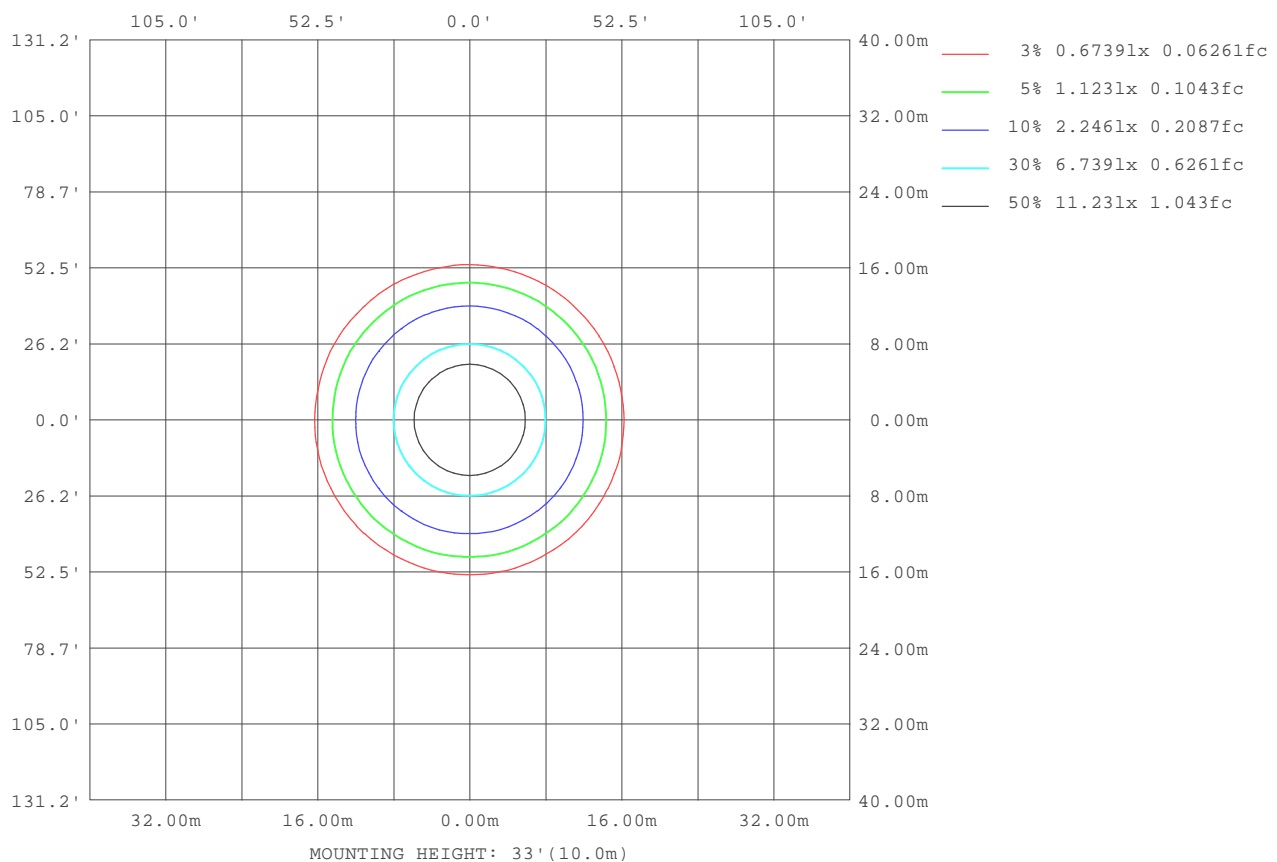
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

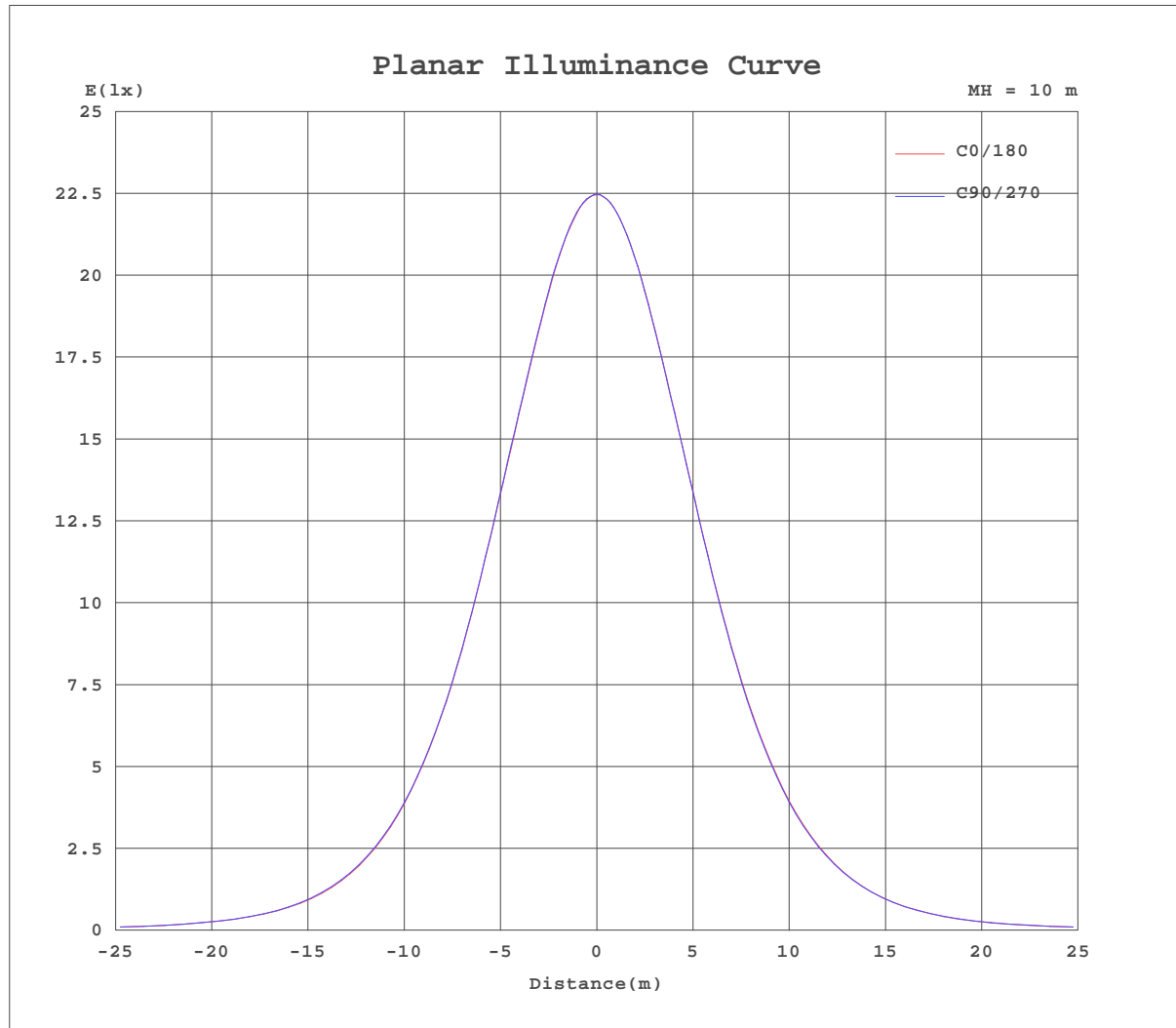
Test:U:120.2V I:0.3416A P:40.44W PF:0.9869 Lamp Flux:4524.59x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-3000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-3000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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

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