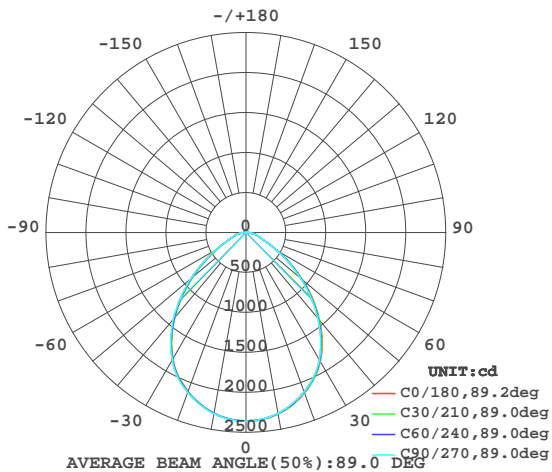


LUMINAIRE PHOTOMETRIC TEST REPORT

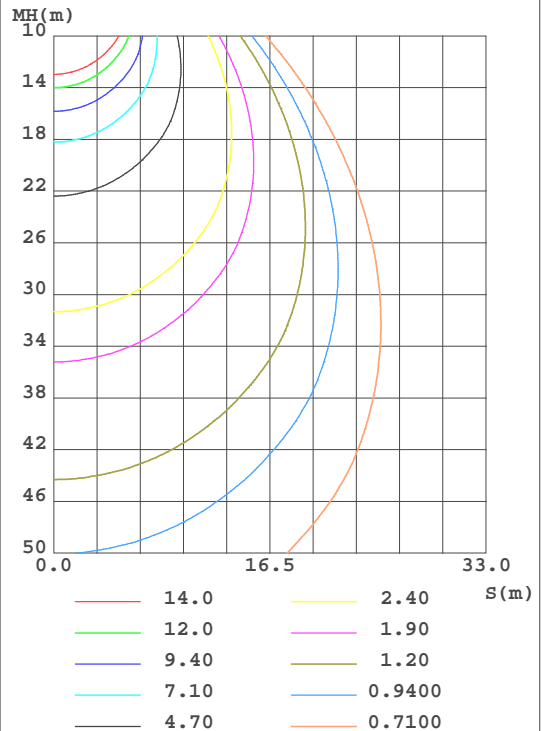
Test:U:120.2V I:0.3384A P:40.18W PF:0.9865 Lamp Flux:4746.55x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-4000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-4000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 118.13 lm/W			
MODEL		I _{max} (cd)	2360	S/MH(C0/180)	1.18
NOMINAL POWER(W)	40.18	LOR(%)	100.0	S/MH(C90/270)	1.17
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	4746.6	h UP,DN(C0-180)	0.1,50.1
NOMINAL FLUX(lm)	4746.55	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.1,49.7
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)



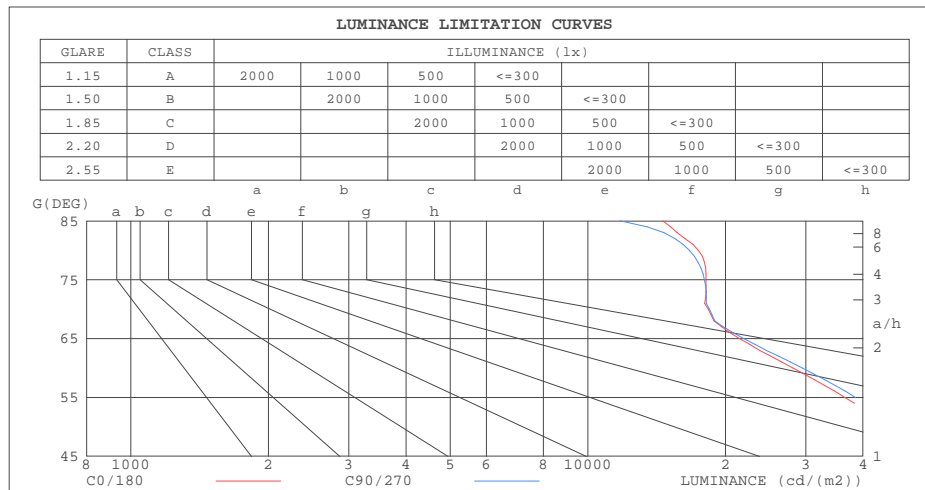
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2025-04-22

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	2297	2298	2302	2305	2307	2298	2296	2295	0~ 10	222.4	222.4	4.68
20	2117	2125	2129	2136	2136	2124	2120	2118	10~ 20	627.1	849.5	17.9
30	1830	1841	1846	1859	1858	1842	1836	1828	20~ 30	920.5	1770	37.3
40	1387	1399	1414	1433	1431	1407	1397	1383	30~ 40	1021	2791	58.8
50	873.7	891.6	909.7	925.6	920.9	905.7	888.1	870.7	40~ 50	888.2	3679	77.5
60	422.4	438.9	441.7	449.4	444.6	439.3	436.8	419.2	50~ 60	585.6	4264	89.8
70	188.4	185.8	189.1	187.9	187.4	190.7	188.4	188.3	60~ 70	284.2	4549	95.8
80	91.09	91.25	86.80	89.02	89.46	90.14	91.81	89.96	70~ 80	148.3	4697	99
90	0.1764	0	0	0	0.0432	0	0	0.0001	80~ 90	39.92	4737	99.8
100	0	0	0	0	0	0	0	0	90~100	0.0018	4737	99.8
110	0.1744	0.2265	0.1737	0.2140	0.2759	0.2170	0.2689	0.2308	100~110	0.0565	4737	99.8
120	0.8442	0.8751	0.8170	0.8391	0.9332	0.9033	0.9512	0.9186	110~120	0.5248	4737	99.8
130	1.752	1.778	1.733	1.719	1.859	1.866	1.912	1.887	120~130	1.182	4739	99.8
140	2.857	2.863	2.806	2.777	2.931	2.953	3.005	2.979	130~140	1.806	4740	99.9
150	3.891	3.914	3.849	3.825	3.951	3.978	4.026	4.000	140~150	2.135	4743	99.9
160	4.749	4.767	4.719	4.707	4.807	4.827	4.857	4.819	150~160	2.012	4745	100
170	5.326	5.360	5.317	5.313	5.376	5.384	5.406	5.356	160~170	1.434	4746	100
180	5.558	5.572	5.543	5.538	5.552	5.572	5.549	5.544	170~180	0.5206	4747	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



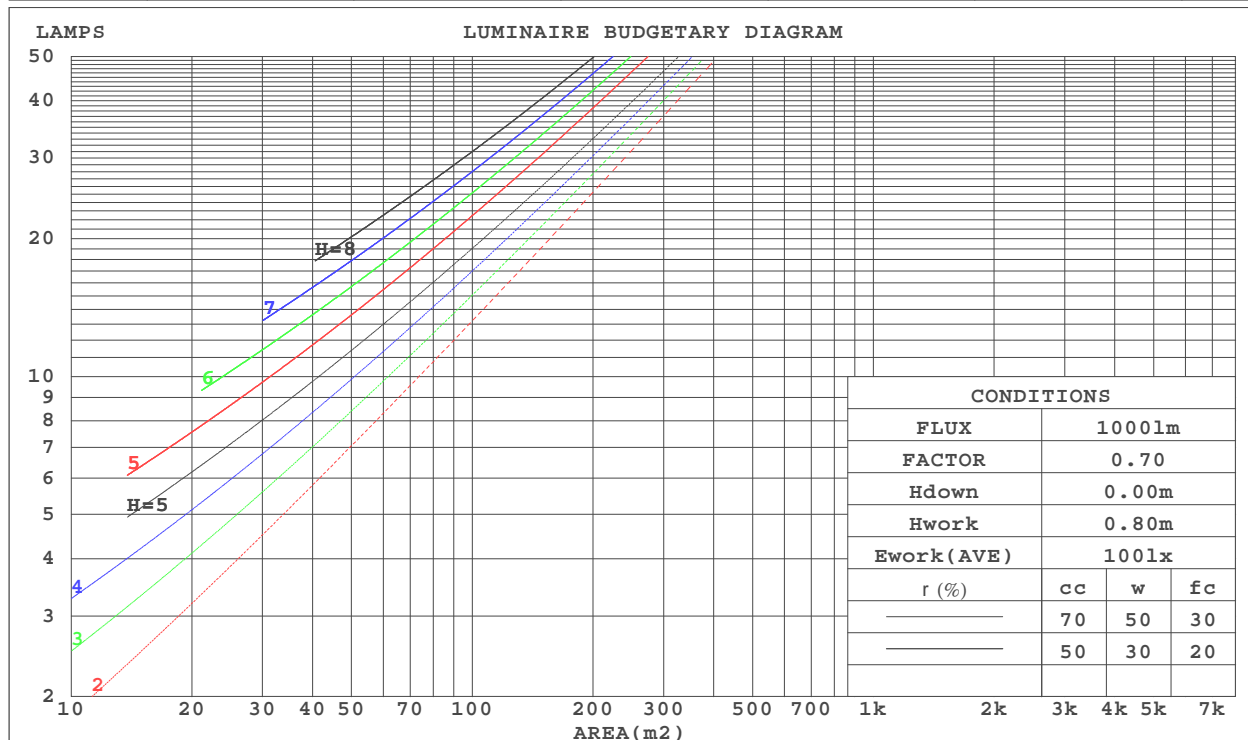
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Aaron
Test Date: 2025-04-22

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:0.3384A P:40.18W PF:0.9865 Lamp Flux:4746.55x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-4000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-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															



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:0.3384A P:40.18W PF:0.9865 Lamp Flux:4746.55x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-4000K	WPE:0.20	WEIGHT:
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-4000K	DATE:2025-04-22	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	.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	.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	.158	.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	.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:2025-04-22

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:0.3384A P:40.18W PF:0.9865 Lamp Flux:4746.55x1 lm											
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-4000K						WEIGHT:					
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-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	2H	24.7	26.0	24.9	26.2	26.4	24.8	26.2	25.1	26.4	26.6
	3H	25.1	26.3	25.4	26.5	26.8	25.2	26.5	25.5	26.7	26.9
	4H	25.3	26.5	25.6	26.7	27.0	25.5	26.6	25.8	26.9	27.1
	6H	25.5	26.6	25.9	26.9	27.2	25.6	26.7	26.0	27.0	27.3
	8H	25.6	26.7	25.9	26.9	27.2	25.7	26.7	26.0	27.0	27.3
	12H	25.6	26.6	26.0	26.9	27.2	25.7	26.7	26.1	27.0	27.3
4H	2H	24.8	26.0	25.1	26.2	26.5	25.0	26.1	25.3	26.4	26.6
	3H	25.4	26.4	25.8	26.7	27.0	25.5	26.6	25.9	26.8	27.1
	4H	25.8	26.7	26.1	27.0	27.3	25.9	26.8	26.3	27.1	27.4
	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	27.8	26.3	27.1	26.7	27.4	27.8
	12H	26.3	27.0	26.8	27.4	27.8	26.4	27.0	26.8	27.4	27.8
8H	4H	25.9	26.6	26.3	27.0	27.4	26.0	26.7	26.4	27.1	27.5
	6H	26.4	27.0	26.8	27.4	27.8	26.4	27.0	26.9	27.4	27.9
	8H	26.6	27.1	27.0	27.5	28.0	26.6	27.1	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	27.0	27.4
	6H	26.4	26.9	26.9	27.4	27.8	26.4	27.0	26.9	27.4	27.9
	8H	26.6	27.1	27.1	27.5	28.0	26.7	27.1	27.1	27.6	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 4747 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:0.3384A P:40.18W PF:0.9865 Lamp Flux:4746.55x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-4000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-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	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	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:2025-04-22

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:0.3384A P:40.18W PF:0.9865 Lamp Flux:4746.55x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-4000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-4000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

3264.7 lm

%lum = 68.8%

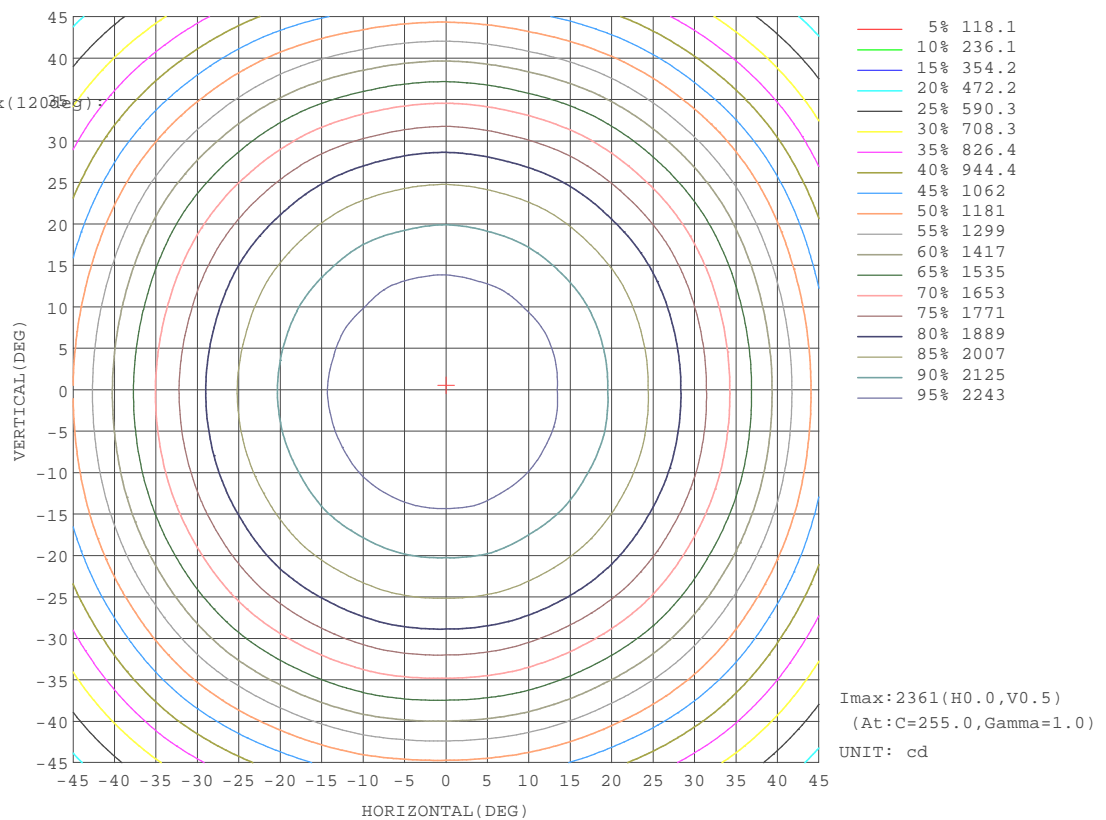
%lamp = 68.8%

Conical surface Flux(120deg):

4264.5 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:2025-04-22

g Range: 0 - 180DEG

g Interval: 1.0DEG

Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291

Humidity:65.0%

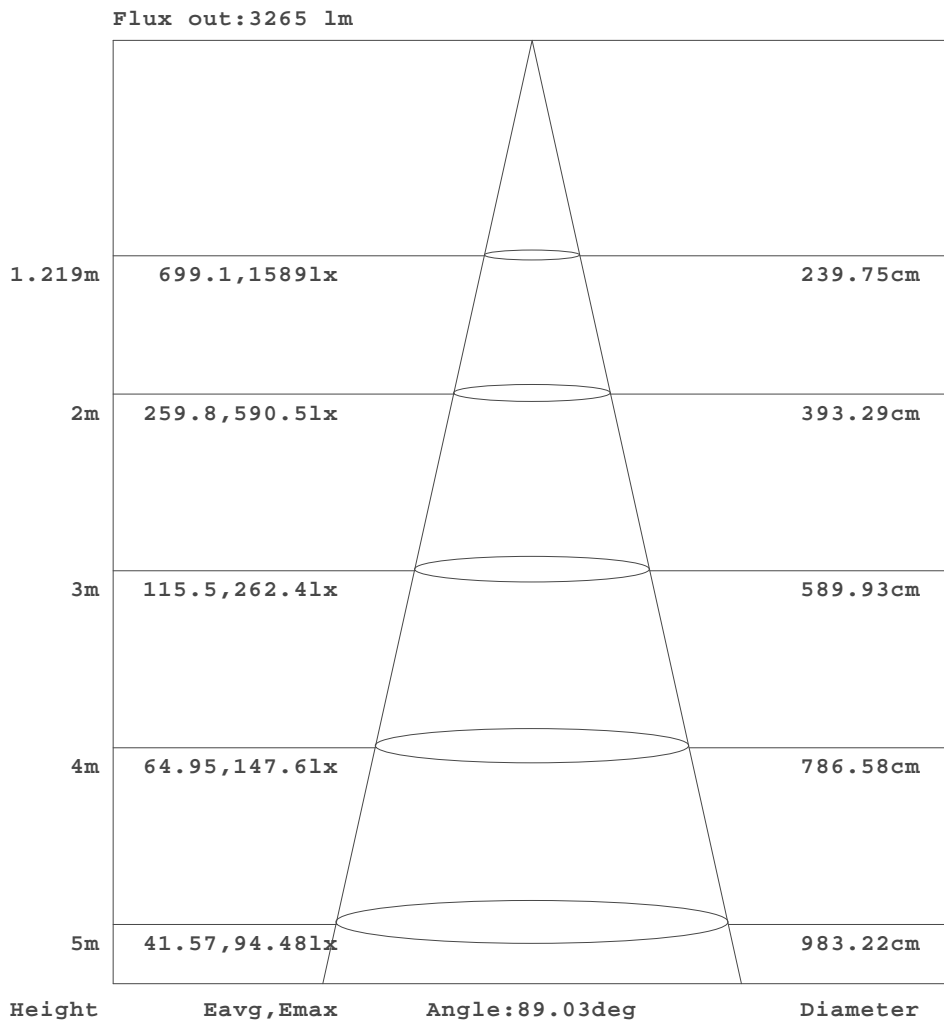
Test Distance:10.698m [K=1.0000]

Remarks: TRP-250421SHA-02_F172

V503254

AAI Figure

Test:U:120.2V I:0.3384A P:40.18W PF:0.9865 Lamp Flux:4746.55x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-4000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-4000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



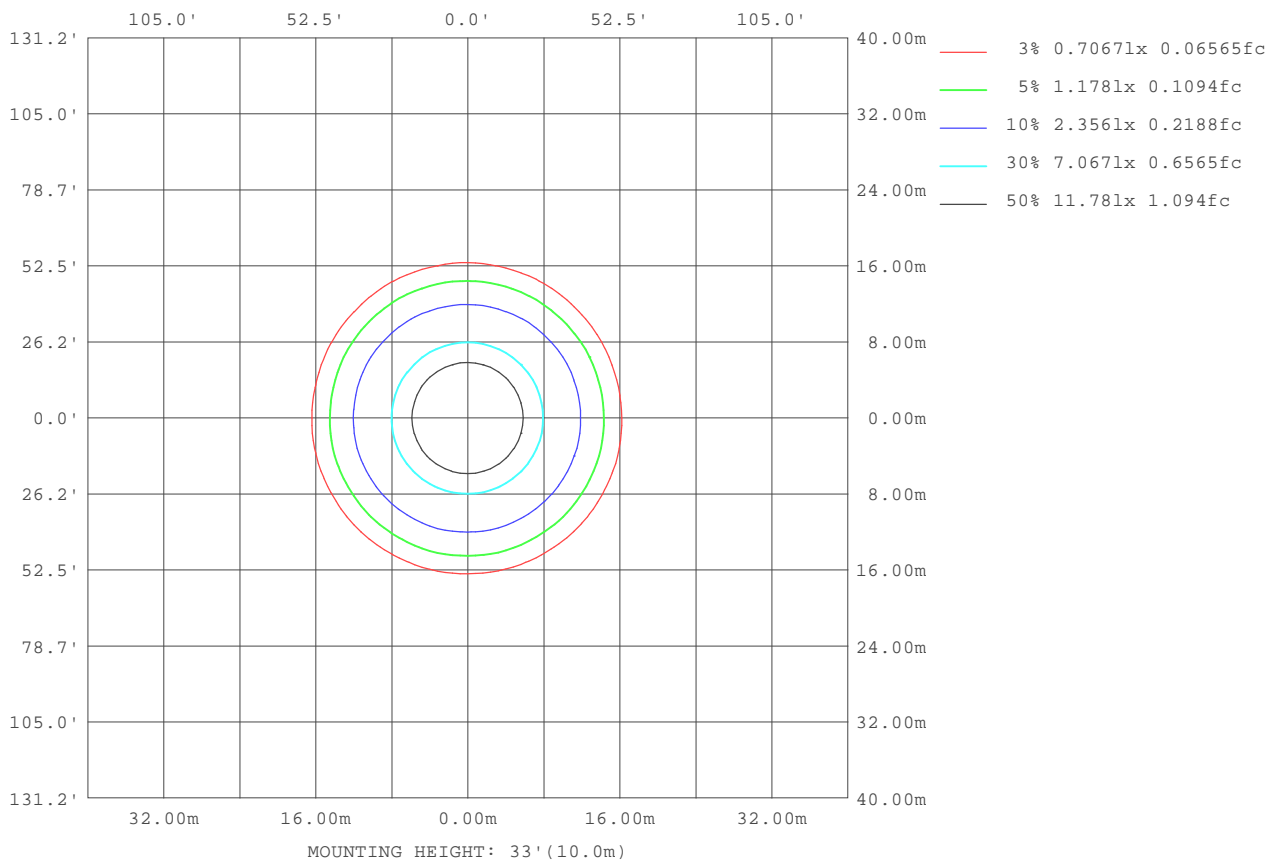
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

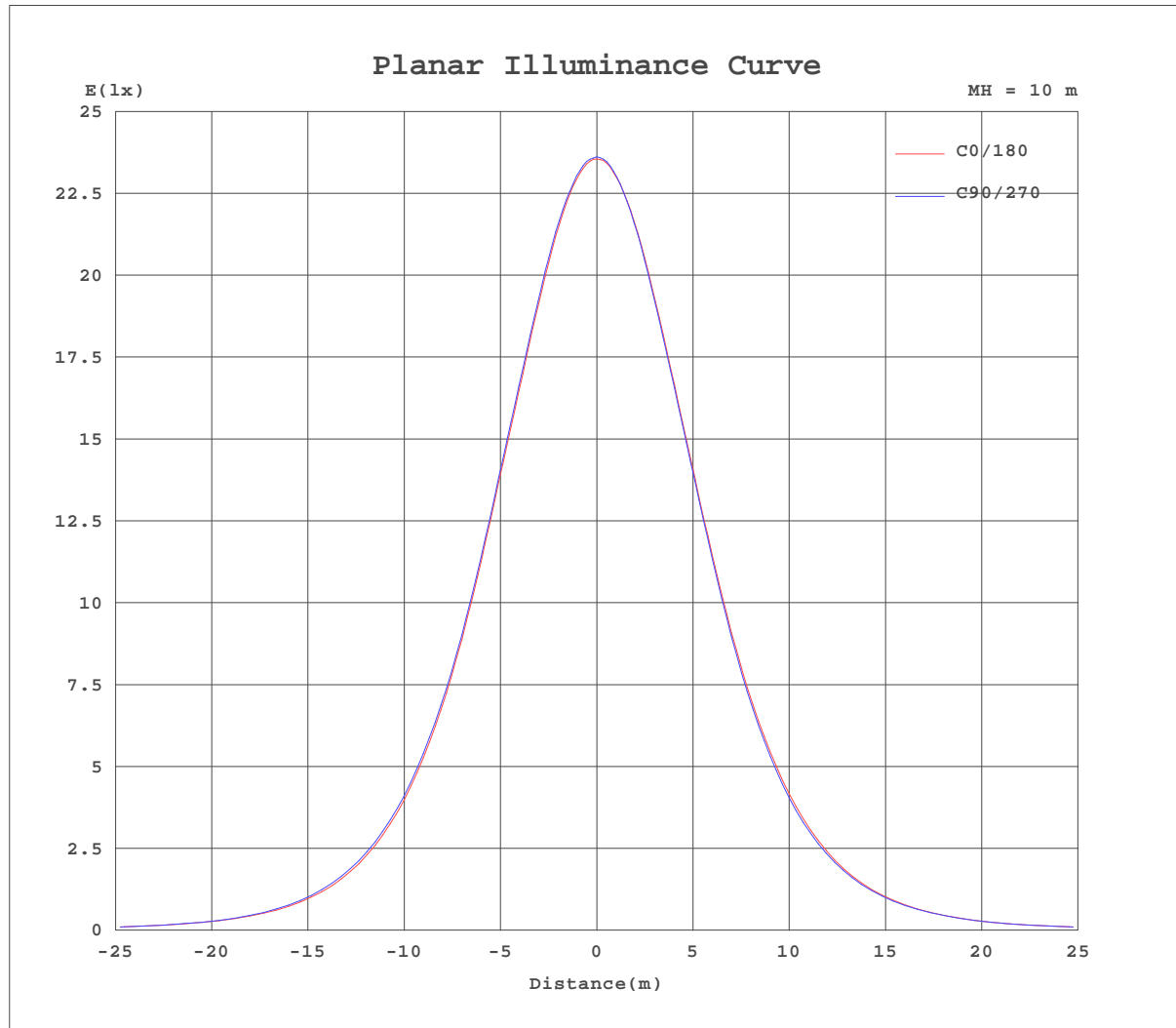
Test:U:120.2V I:0.3384A P:40.18W PF:0.9865 Lamp Flux:4746.55x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-4000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-4000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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

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
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V503254