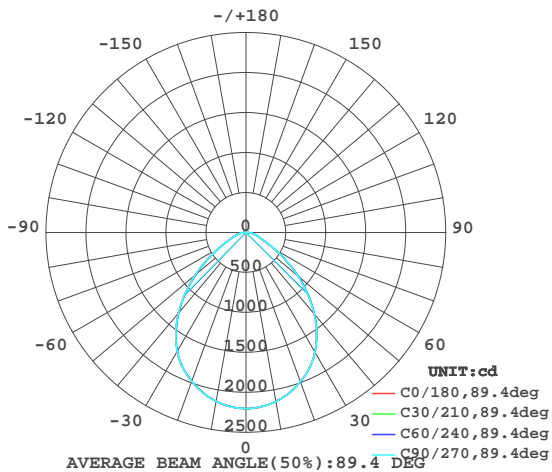


LUMINAIRE PHOTOMETRIC TEST REPORT

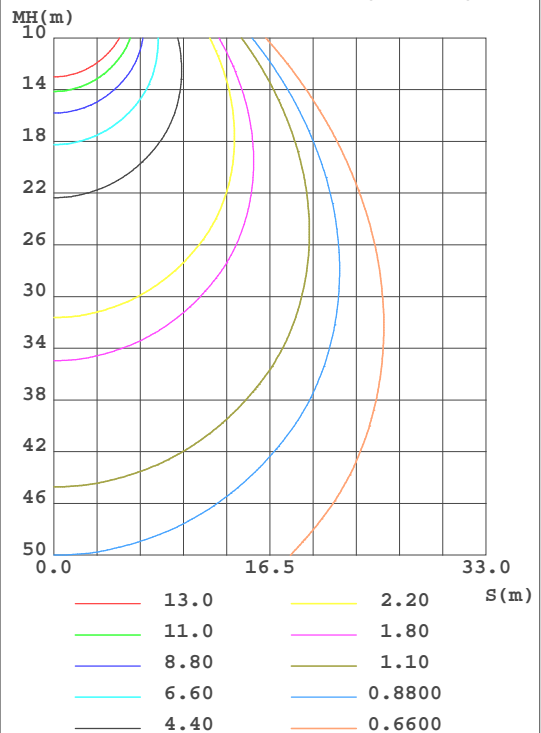
Test:U:120.2V I:0.3429A P:40.70W PF:0.9870 Lamp Flux:4434.72x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-2700K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-2700K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 108.96 lm/W			
MODEL		Imax(cd)	2203	S/MH(C0/180)	1.18
NOMINAL POWER(W)	40.7	LOR(%)	100.0	S/MH(C90/270)	1.17
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	4434.7	h UP,DN(C0-180)	0.1,49.8
NOMINAL FLUX(lm)	4434.72	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.1,50.0
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)



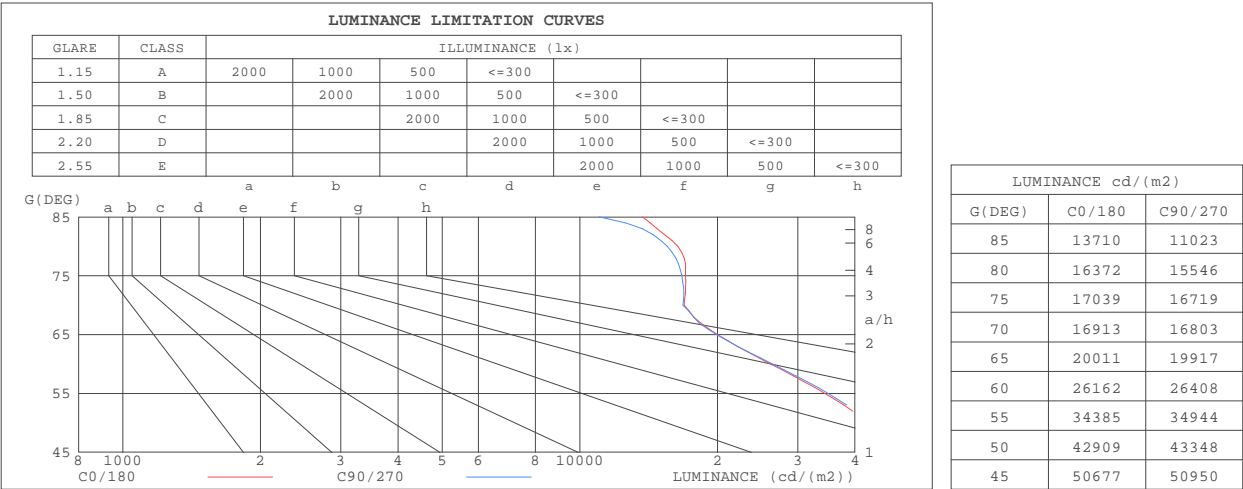
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2025-04-22

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	2144	2145	2147	2146	2147	2147	2147	2147	0~ 10	207.5	207.5	4.68
20	1981	1984	1984	1989	1989	1983	1987	1984	10~ 20	585.4	792.9	17.9
30	1718	1722	1722	1726	1729	1721	1728	1724	20~ 30	860.0	1653	37.3
40	1313	1317	1318	1330	1334	1327	1327	1318	30~ 40	957.7	2611	58.9
50	827.9	832.7	835.8	848.3	850.9	848.2	846.5	833.6	40~ 50	834.9	3446	77.7
60	392.6	399.8	396.1	403.1	402.7	401.7	408.0	395.0	50~ 60	542.6	3988	89.9
70	173.6	173.5	172.4	174.1	174.8	175.6	177.5	174.9	60~ 70	261.7	4250	95.8
80	85.33	85.36	80.97	82.83	83.59	84.33	86.25	84.86	70~ 80	138.8	4389	99
90	0.1001	0	0	0	0	0	0	0	80~ 90	37.37	4426	99.8
100	0	0	0	0	0	0	0	0	90~100	0.0008	4426	99.8
110	0.1046	0.1639	0.1179	0.1816	0.2132	0.1548	0.2021	0.1549	100~110	0.0323	4426	99.8
120	0.6993	0.7517	0.7235	0.7641	0.8210	0.7794	0.8205	0.7874	110~120	0.4397	4426	99.8
130	1.542	1.583	1.572	1.606	1.684	1.661	1.701	1.680	120~130	1.052	4427	99.8
140	2.550	2.599	2.584	2.604	2.698	2.679	2.720	2.704	130~140	1.643	4429	99.9
150	3.532	3.594	3.559	3.590	3.658	3.653	3.688	3.675	140~150	1.963	4431	99.9
160	4.326	4.387	4.373	4.413	4.446	4.429	4.475	4.443	150~160	1.858	4433	100
170	4.877	4.936	4.910	4.950	4.964	4.948	4.993	4.956	160~170	1.325	4434	100
180	5.096	5.130	5.117	5.150	5.089	5.130	5.130	5.144	170~180	0.4811	4435	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



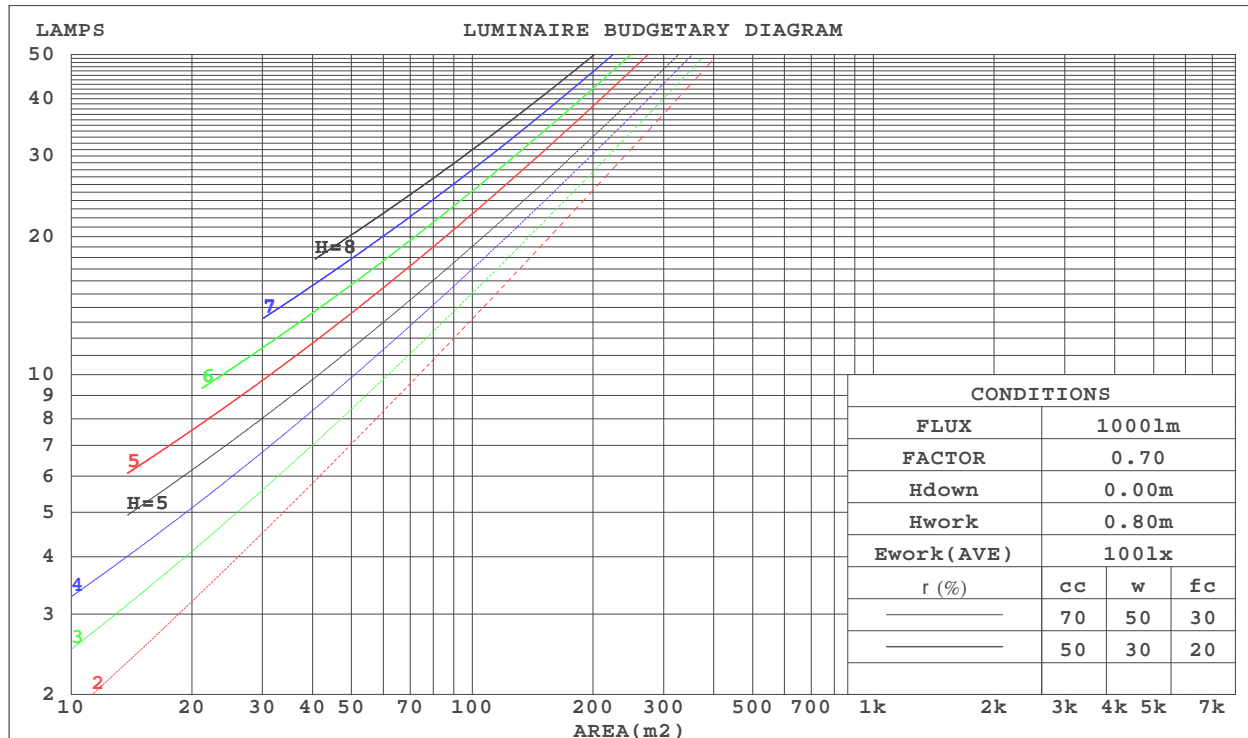
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2025-04-22

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:0.3429A P:40.70W PF:0.9870 Lamp Flux:4434.72x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-2700K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-2700K	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	.00	1.04	1.01	.98	1.00	.98	.95	.96	.94	.92	.93	.91	.90	.88
2.0	.95	.90	.85	.93	.88	.84	.90	.86	.82	.87	.83	.80	.84	.81	.78	.76
3.0	.85	.78	.73	.84	.77	.72	.81	.75	.71	.78	.74	.70	.76	.72	.69	.67
4.0	.77	.69	.63	.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	.54	.63	.58	.54	.52
6.0	.63	.55	.50	.63	.55	.49	.61	.54	.49	.59	.53	.49	.58	.52	.48	.46
7.0	.58	.50	.45	.57	.50	.44	.56	.49	.44	.54	.48	.44	.53	.48	.43	.42
8.0	.53	.46	.40	.53	.45	.40	.51	.45	.40	.50	.44	.40	.49	.44	.39	.38
9.0	.49	.42	.37	.49	.41	.36	.48	.41	.36	.47	.40	.36	.46	.40	.36	.34
10.0	.46	.38	.33	.45	.38	.33	.44	.38	.33	.43	.37	.33	.42	.37	.33	.31



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:0.3429A P:40.70W PF:0.9870 Lamp Flux:4434.72x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-2700K	WEC:0.277	WEIGHT:
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-2700K	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	.222	.128	.041	.211	.123	.040	
2.0	.244	.134	.041	.238	.131	.040	.227	.126	.039	.217	.121	.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	.166	.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:0.3429A P:40.70W PF:0.9870 Lamp Flux:4434.72x1 lm											
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-2700K						WEIGHT:					
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-2700K						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	24.4	25.8	24.7	26.0	26.2	24.5	25.8	24.7	26.0	26.2
	3H	24.9	26.1	25.1	26.3	26.5	24.9	26.1	25.2	26.3	26.6
	4H	25.1	26.3	25.4	26.5	26.7	25.1	26.3	25.4	26.5	26.8
	6H	25.3	26.4	25.6	26.7	26.9	25.3	26.4	25.6	26.7	26.9
	8H	25.4	26.4	25.7	26.7	27.0	25.4	26.4	25.7	26.7	27.0
	12H	25.4	26.4	25.8	26.7	27.0	25.4	26.4	25.7	26.7	27.0
4H	2H	24.6	25.8	24.9	26.0	26.2	24.6	25.8	24.9	26.0	26.3
	3H	25.2	26.2	25.5	26.5	26.8	25.2	26.2	25.5	26.5	26.8
	4H	25.5	26.5	25.9	26.8	27.1	25.5	26.5	25.9	26.8	27.1
	6H	25.9	26.7	26.3	27.1	27.4	25.9	26.7	26.3	27.0	27.4
	8H	26.0	26.8	26.4	27.1	27.5	26.0	26.7	26.4	27.1	27.5
	12H	26.1	26.8	26.5	27.2	27.6	26.0	26.7	26.5	27.1	27.5
8H	4H	25.6	26.4	26.1	26.8	27.1	25.7	26.4	26.1	26.8	27.1
	6H	26.1	26.8	26.6	27.2	27.6	26.1	26.7	26.5	27.1	27.5
	8H	26.3	26.9	26.8	27.3	27.8	26.3	26.8	26.7	27.2	27.7
	12H	26.5	27.0	27.0	27.4	27.9	26.4	26.8	26.9	27.3	27.8
12H	4H	25.6	26.3	26.1	26.7	27.1	25.6	26.3	26.1	26.7	27.1
	6H	26.2	26.7	26.6	27.1	27.6	26.1	26.7	26.6	27.1	27.6
	8H	26.4	26.9	26.9	27.3	27.8	26.3	26.8	26.8	27.3	27.7
Variations with the observer position at spacings:											
S = 1.0H	+ 0.5 / - 0.7					+ 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 4435 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:0.3429A P:40.70W PF:0.9870 Lamp Flux:4434.72x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-2700K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-2700K	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) x 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	87	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:0.3429A P:40.70W PF:0.9870 Lamp Flux:4434.72x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-2700K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-2700K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

3056.7 lm

%lum = 68.9%

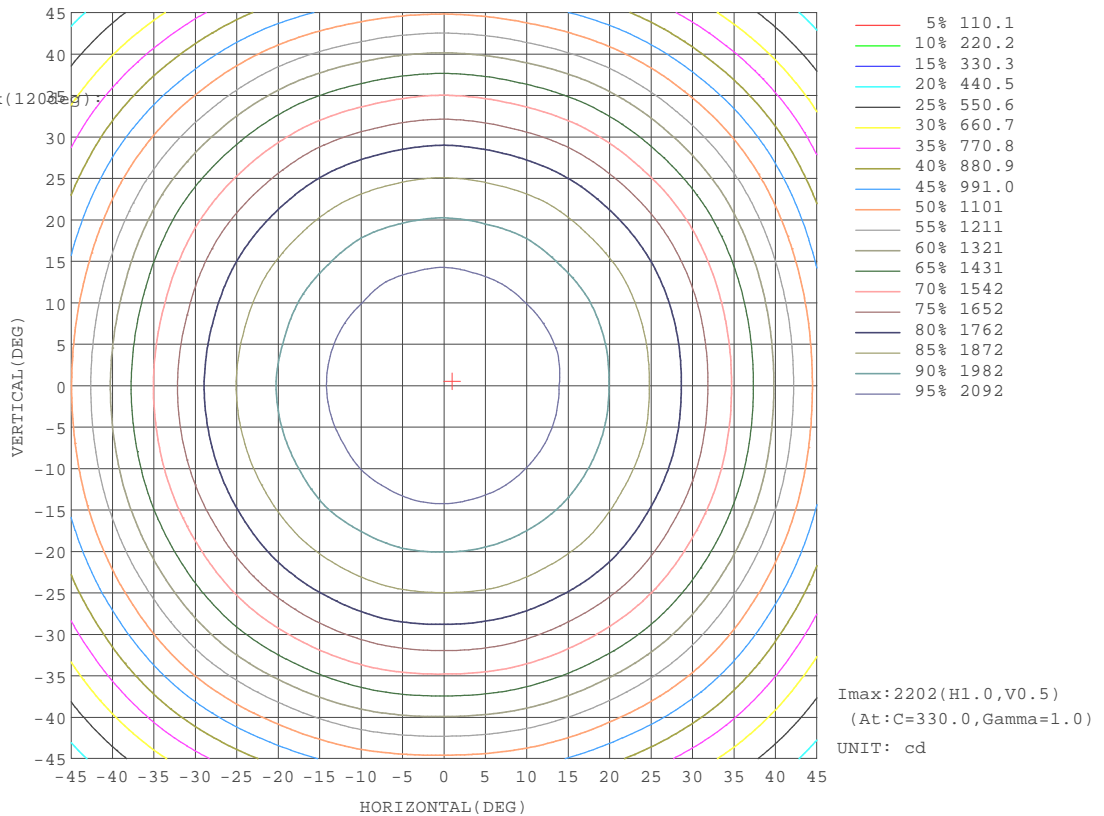
%lamp = 68.9%

Conical surface Flux(120deg):

3988.1 lm

%lum = 89.9%

%lamp = 89.9%

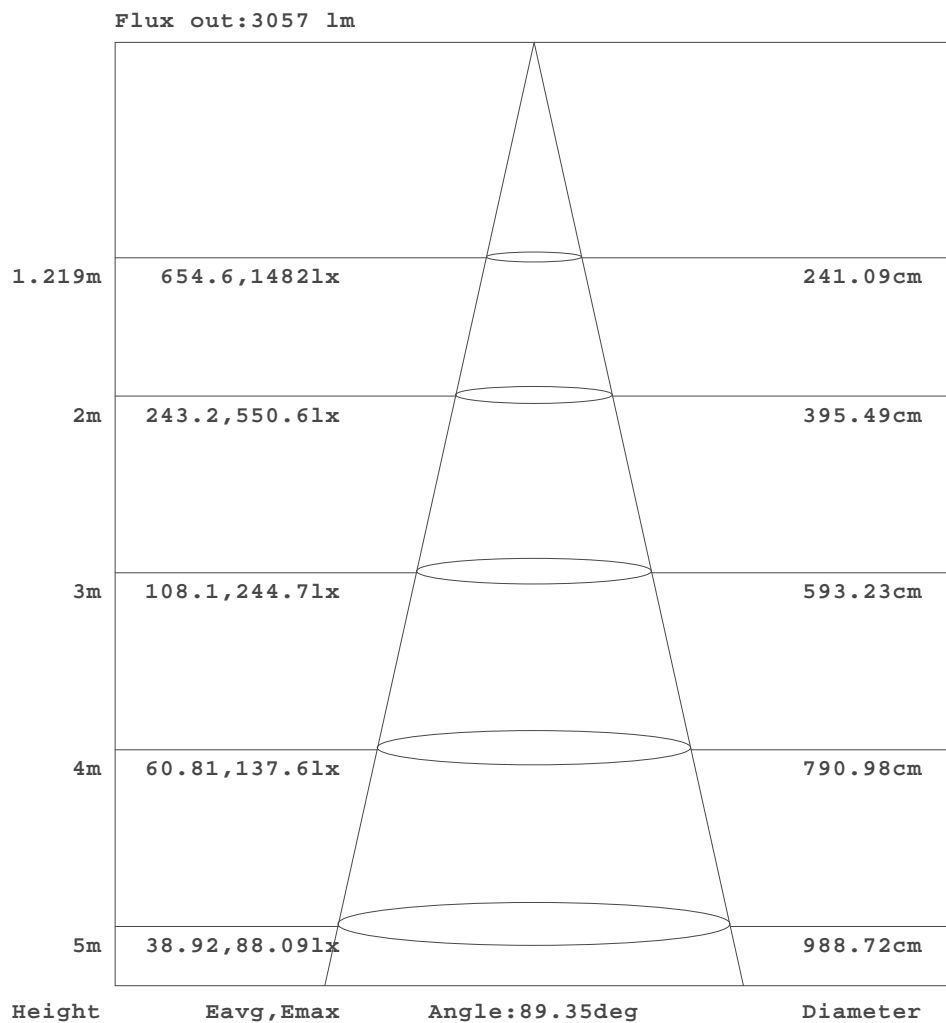


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Aaron
Test Date: 2025-04-22

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:0.3429A P:40.70W PF:0.9870 Lamp Flux:4434.72x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-2700K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-2700K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



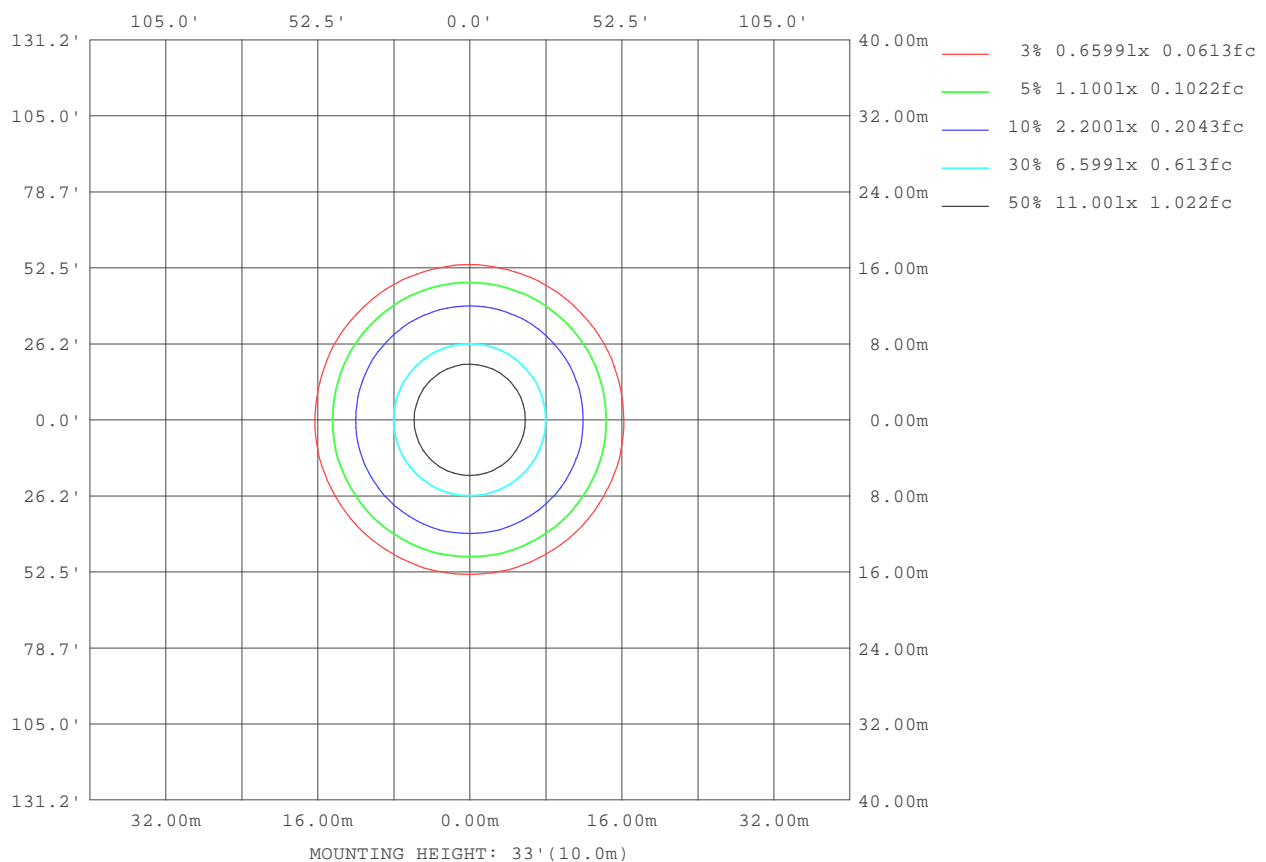
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

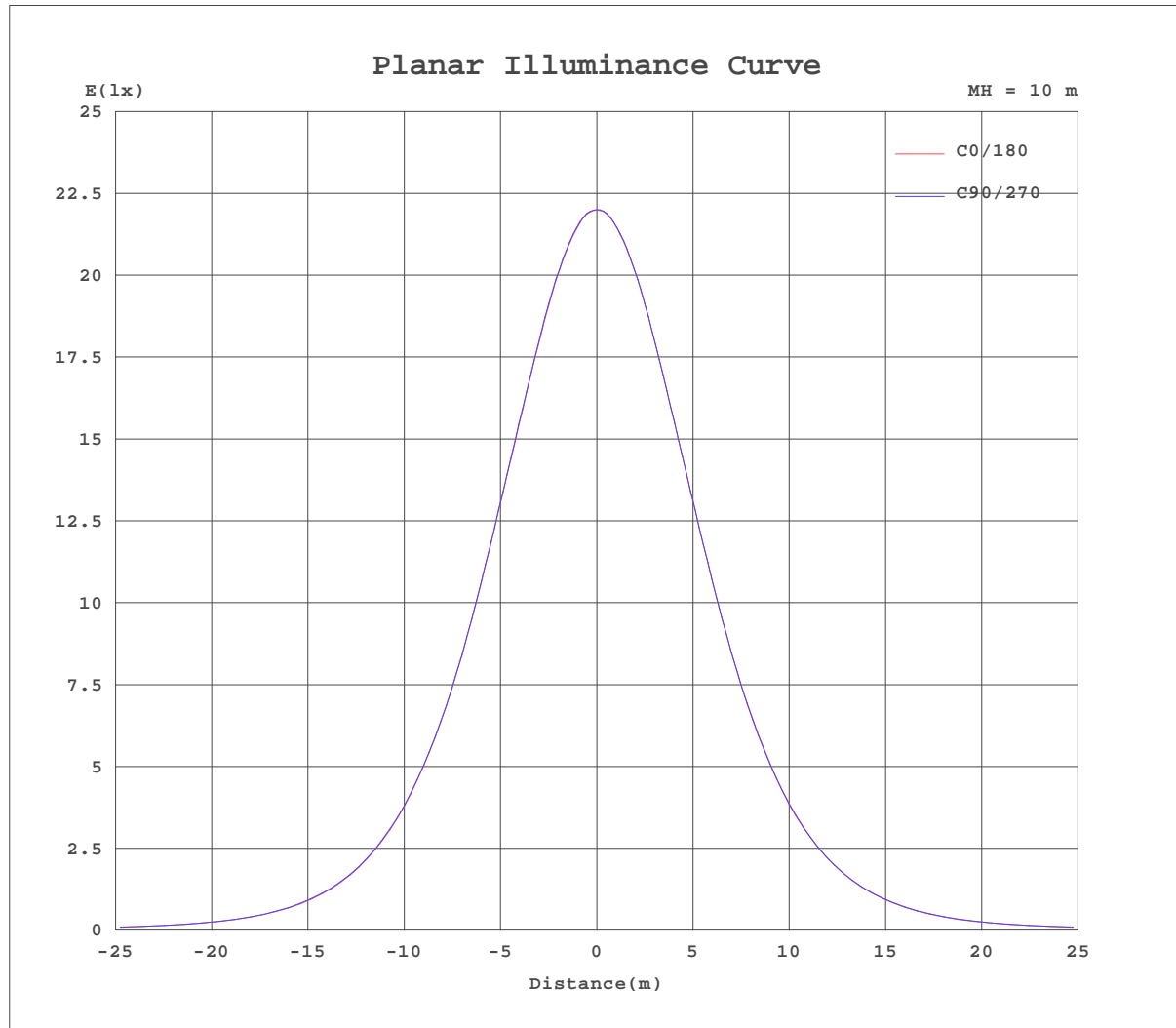
Test:U:120.2V I:0.3429A P:40.70W PF:0.9870 Lamp Flux:4434.72x1 lm		
NAME: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-2700K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.5/37/30W -8"-Round-HO-277 H-2700K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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%
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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