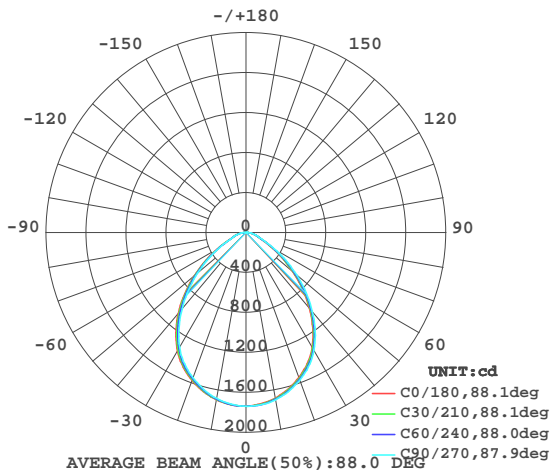


LUMINAIRE PHOTOMETRIC TEST REPORT

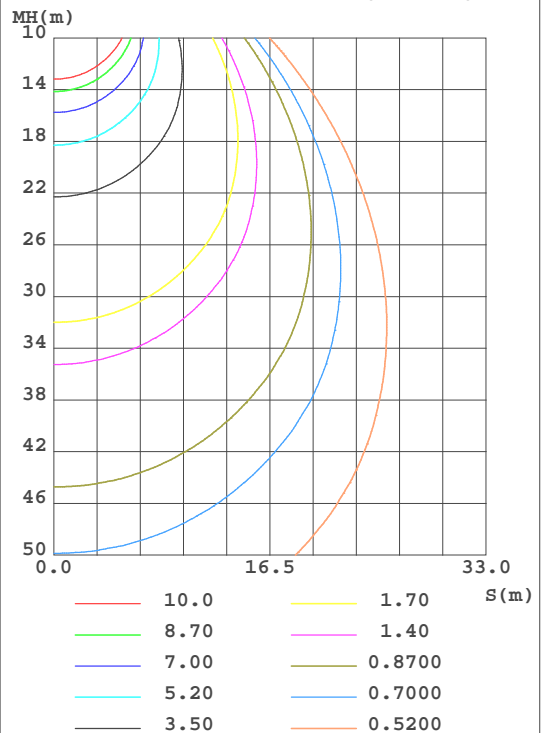
Test:U:120.4V I:0.2436A P:29.00W PF:0.9795 Lamp Flux:3451.9x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-5000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-5000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 119.03 lm/W			
MODEL		Imax(cd)	1740	S/MH(C0/180)	1.15
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.17
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3451.9	h UP,DN(C0-180)	0.1,49.6
NOMINAL FLUX(lm)	3451.9	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.1,50.2
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)



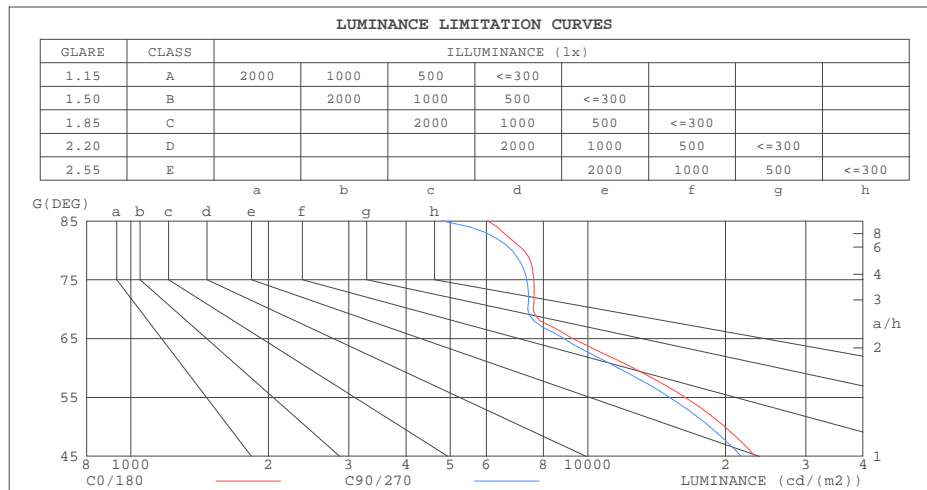
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2025-05-28

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-250528SHA-01_F172
T505281

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	1700	1695	1685	1682	1683	1690	1701	1705	0~ 10	163.7	163.7	4.74
20	1576	1567	1548	1541	1545	1556	1573	1584	10~ 20	461.0	624.8	18.1
30	1372	1354	1328	1321	1327	1341	1363	1376	20~ 30	674.6	1299	37.6
40	1054	1035	995.5	984.0	987.4	1003	1035	1056	30~ 40	743.1	2042	59.2
50	679.6	663.7	631.1	611.6	611.7	628.2	665.8	684.4	40~ 50	640.9	2683	77.7
60	332.8	321.1	309.3	296.9	290.3	306.6	328.5	334.7	50~ 60	422.5	3106	90
70	137.5	137.0	134.0	132.7	130.5	130.6	134.7	136.5	60~ 70	205.1	3311	95.9
80	66.61	66.63	62.82	63.18	63.29	62.15	64.40	64.82	70~ 80	106.3	3417	99
90	0.0075	0	0	0	0	0	0	0	80~ 90	28.49	3446	99.8
100	0	0	0	0	0	0	0	0	90~100	0.0001	3446	99.8
110	0	0.0002	0	0.0260	0.0627	0	0.0255	0	100~110	0.0007	3446	99.8
120	0.3480	0.4200	0.4064	0.5066	0.5563	0.4669	0.4828	0.4189	110~120	0.2001	3446	99.8
130	0.9729	1.038	1.061	1.170	1.249	1.136	1.127	1.068	120~130	0.6782	3447	99.8
140	1.733	1.790	1.825	1.945	2.029	1.911	1.883	1.843	130~140	1.141	3448	99.9
150	2.490	2.557	2.576	2.708	2.765	2.648	2.640	2.613	140~150	1.409	3449	99.9
160	3.132	3.199	3.213	3.321	3.340	3.248	3.265	3.245	150~160	1.360	3451	100
170	3.589	3.650	3.658	3.752	3.733	3.649	3.702	3.683	160~170	0.9814	3452	100
180	3.789	3.805	3.808	3.877	3.808	3.793	3.833	3.877	170~180	0.3589	3452	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(°)	C0/180	C90/270
85	6042	4795
80	7246	6821
75	7616	7355
70	7595	7388
65	9265	8875
60	12574	11662
55	16338	15114
50	19972	18511
45	23207	21659

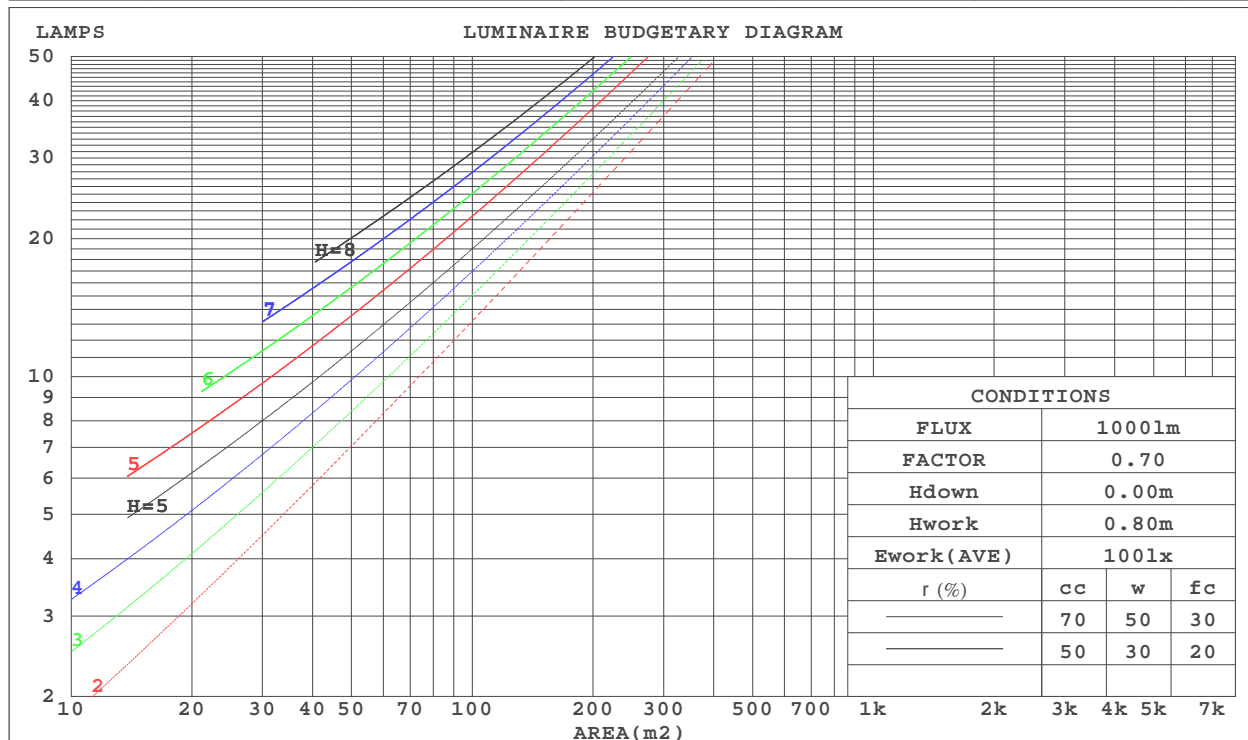
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Aaron
Test Date: 2025-05-28

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-250528SHA-01_F172
T505281

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.4V I:0.2436A P:29.00W PF:0.9795 Lamp Flux:3451.9x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277L-5000K		WEIGHT:
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HDM277 L-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			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	1.00	1.05	1.01	.98	1.00	.98	.95	.96	.94	.92	.93	.91	.90	.88
2.0	.95	.90	.85	.94	.88	.84	.90	.86	.82	.87	.83	.80	.84	.81	.78	.76
3.0	.86	.79	.73	.84	.78	.72	.81	.76	.71	.78	.74	.70	.76	.72	.69	.67
4.0	.77	.69	.64	.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	.55	.63	.58	.54	.52
6.0	.64	.56	.50	.63	.55	.50	.61	.54	.49	.59	.53	.49	.58	.53	.48	.46
7.0	.58	.50	.45	.57	.50	.45	.56	.49	.44	.55	.48	.44	.53	.48	.44	.42
8.0	.54	.46	.40	.53	.45	.40	.52	.45	.40	.50	.44	.40	.49	.44	.40	.38
9.0	.49	.42	.37	.49	.42	.37	.48	.41	.36	.47	.41	.36	.46	.40	.36	.34
10.0	.46	.38	.34	.45	.38	.34	.44	.38	.33	.43	.37	.33	.43	.37	.33	.31



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2025-05-28

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-250528SHA-01_F172
T505281

WEC AND CCEC

Test:U:120.4V I:0.2436A P:29.00W PF:0.9795 Lamp Flux:3451.9x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-5000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-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	.254	.144	.046	.247	.141	.045	.234	.134	.043	.222	.128	.041	.211	.122	.039	
2.0	.244	.134	.041	.238	.131	.040	.226	.126	.039	.216	.121	.038	.206	.117	.037	
3.0	.230	.122	.037	.225	.120	.036	.215	.116	.035	.206	.113	.035	.197	.109	.034	
4.0	.216	.112	.033	.211	.111	.033	.203	.107	.032	.195	.104	.032	.187	.102	.031	
5.0	.203	.103	.030	.199	.102	.030	.191	.099	.029	.184	.097	.029	.177	.095	.028	
6.0	.191	.096	.027	.187	.094	.027	.180	.092	.027	.173	.090	.026	.167	.088	.026	
7.0	.179	.089	.025	.176	.088	.025	.170	.086	.025	.164	.084	.024	.159	.082	.024	
8.0	.169	.083	.023	.166	.082	.023	.161	.080	.023	.155	.079	.023	.150	.077	.023	
9.0	.160	.077	.022	.157	.077	.021	.152	.075	.021	.147	.074	.021	.143	.073	.021	
10.0	.151	.073	.020	.149	.072	.020	.144	.071	.020	.140	.070	.020	.136	.068	.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	.115	.081	.136	.100	.070	.093	.069	.049	.054	.040	.029	.017	.013	.010	
4.0	.150	.102	.065	.129	.088	.056	.089	.061	.040	.051	.036	.023	.016	.012	.008	
5.0	.143	.091	.053	.123	.079	.046	.084	.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	.129	.075	.037	.111	.065	.032	.077	.046	.023	.045	.027	.014	.014	.009	.005	
8.0	.124	.069	.032	.106	.060	.028	.074	.042	.020	.043	.025	.012	.014	.008	.004	
9.0	.118	.064	.028	.102	.056	.025	.070	.039	.018	.041	.023	.010	.013	.008	.003	
10.0	.113	.060	.025	.097	.052	.022	.067	.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:2025-05-28

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-250528SHA-01_F172
T505281

UGR(Unified Glare Rating) Table

Test:U:120.4V I:0.2436A P:29.00W PF:0.9795 Lamp Flux:3451.9x1 lm										
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277 L-5000K								WEIGHT:		
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277 L-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	21.9	23.2	22.2	23.4	23.6	21.6	23.0	21.9	23.2	23.4
3H	22.3	23.5	22.6	23.8	24.0	22.0	23.3	22.3	23.5	23.7
4H	22.5	23.7	22.8	23.9	24.2	22.3	23.4	22.6	23.7	23.9
6H	22.7	23.8	23.0	24.1	24.3	22.5	23.5	22.8	23.8	24.1
8H	22.8	23.8	23.1	24.1	24.4	22.5	23.6	22.9	23.8	24.1
12H	22.8	23.8	23.2	24.1	24.4	22.5	23.5	22.9	23.8	24.1
4H 2H	22.0	23.2	22.4	23.4	23.7	21.8	23.0	22.1	23.2	23.5
3H	22.6	23.6	22.9	23.9	24.2	22.4	23.4	22.7	23.7	24.0
4H	22.9	23.9	23.3	24.2	24.5	22.7	23.6	23.1	24.0	24.3
6H	23.3	24.1	23.7	24.4	24.8	23.0	23.9	23.4	24.2	24.6
8H	23.4	24.1	23.8	24.5	24.9	23.2	23.9	23.6	24.3	24.7
12H	23.5	24.2	23.9	24.5	24.9	23.2	23.9	23.6	24.3	24.7
8H 4H	23.0	23.8	23.4	24.1	24.5	22.8	23.6	23.2	23.9	24.3
6H	23.5	24.1	23.9	24.5	24.9	23.3	23.9	23.7	24.3	24.7
8H	23.7	24.2	24.1	24.7	25.1	23.5	24.0	23.9	24.4	24.9
12H	23.8	24.3	24.3	24.7	25.2	23.6	24.0	24.0	24.5	24.9
12H 4H	23.0	23.7	23.4	24.1	24.5	22.8	23.5	23.3	23.9	24.3
6H	23.5	24.1	24.0	24.5	24.9	23.3	23.9	23.8	24.3	24.7
8H	23.7	24.2	24.2	24.7	25.1	23.5	24.0	24.0	24.4	24.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.6					+ 0.5 / - 0.7				
1.5H	+ 0.3 / - 0.4					+ 0.2 / - 0.3				
2.0H	+ 1.2 / - 1.3					+ 1.1 / - 1.2				

CIE Pub.117 Corrected 3452 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.3)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2025-05-28

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-250528SHA-01_F172
T505281

UTILIZATION FACTORS TABLE

Test:U:120.4V I:0.2436A P:29.00W PF:0.9795 Lamp Flux:3451.9x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-5000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-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	56	50	65	55	49	64	55	49	44
0.80	76	66	60	75	66	60	73	65	59	53
1.00	84	75	68	83	74	68	81	75	68	62
1.25	90	82	76	89	81	75	86	80	75	68
1.50	95	87	81	93	86	80	90	84	79	73
2.00	100	93	88	99	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	109	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:2025-05-28

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-250528SHA-01_F172
T505281

ISOCANDELA DIAGRAM

Test:U:120.4V I:0.2436A P:29.00W PF:0.9795 Lamp Flux:3451.9x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-5000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-5000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

2385 lm

%lum = 69.1%

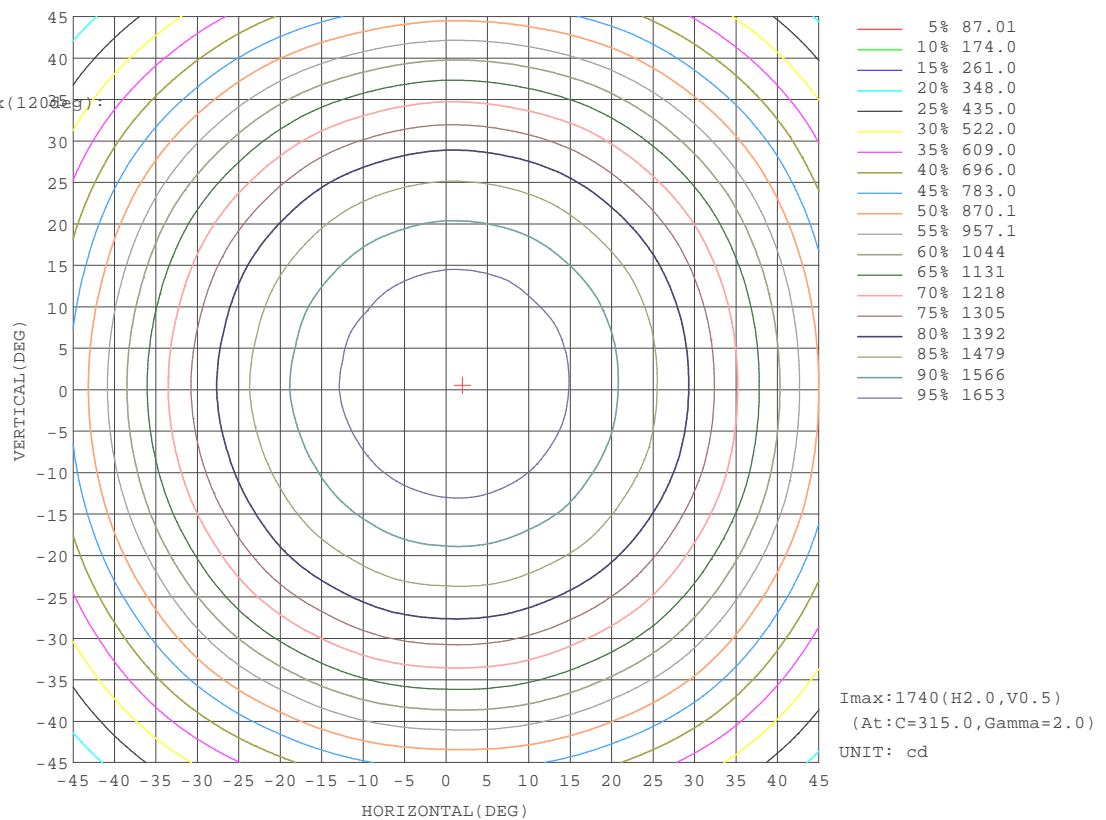
%lamp = 69.1%

Conical surface Flux(120deg):

3105.8 lm

%lum = 90.0%

%lamp = 90.0%



C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Aaron

Test Date:2025-05-28

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]

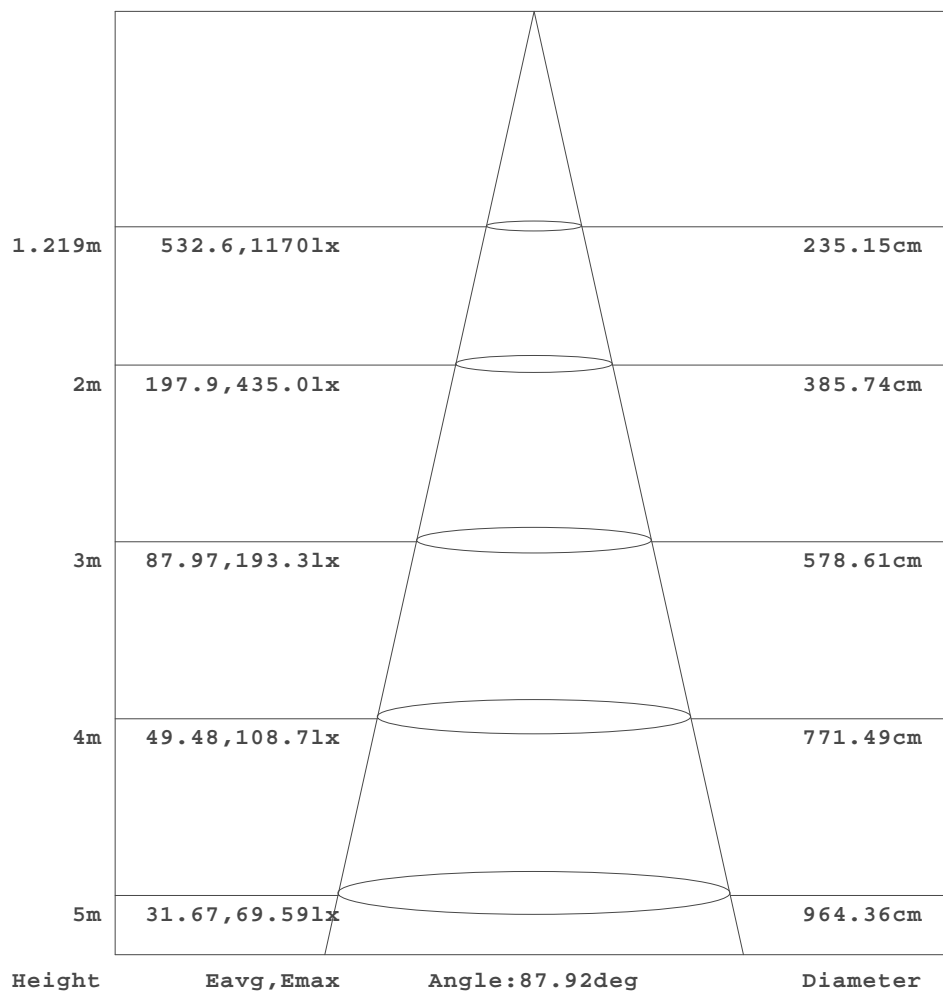
Remarks: TRP-250528SHA-01_F172

T505281

AAI Figure

Test:U:120.4V I:0.2436A P:29.00W PF:0.9795 Lamp Flux:3451.9x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277 L-5000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277 L-5000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:2320 lm



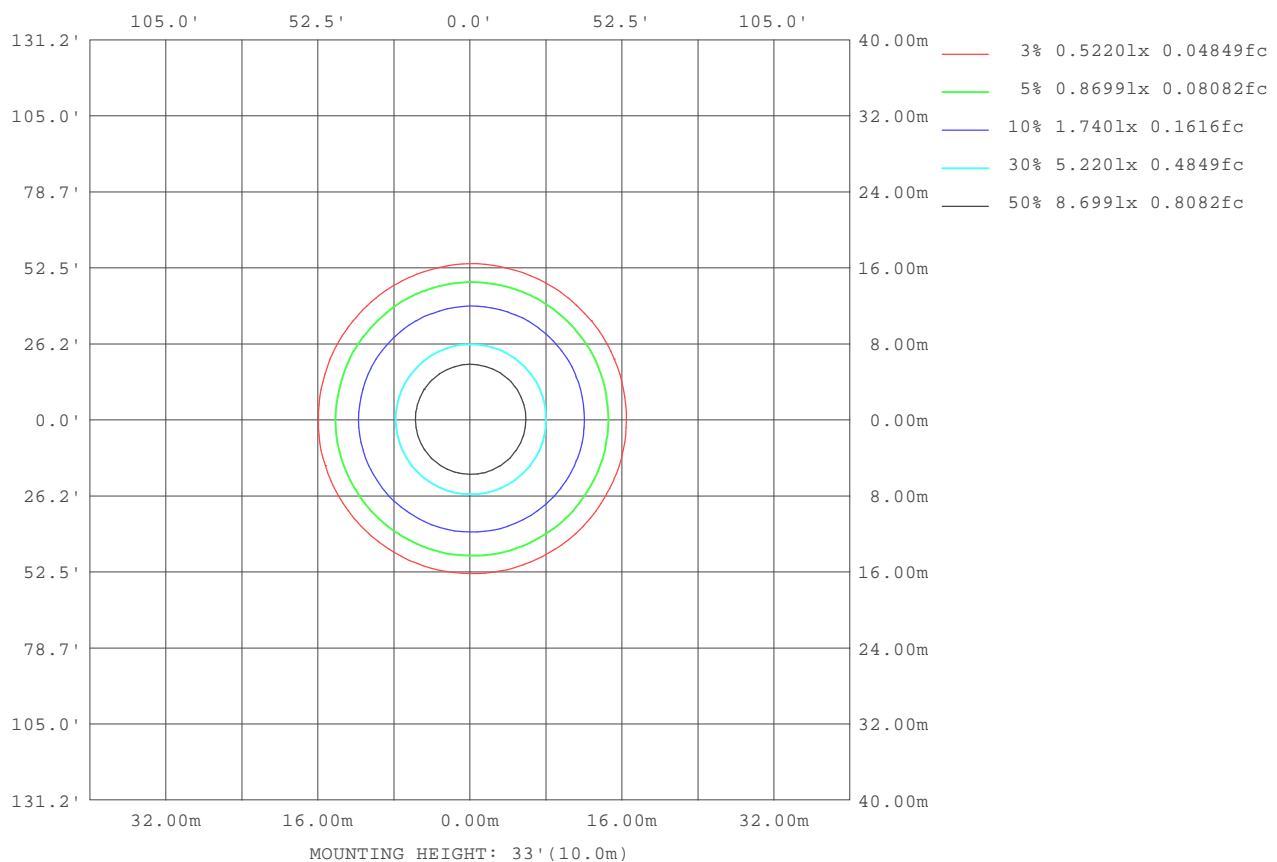
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Aaron
Test Date: 2025-05-28

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-250528SHA-01_F172
T505281

ISOLUX DIAGRAM

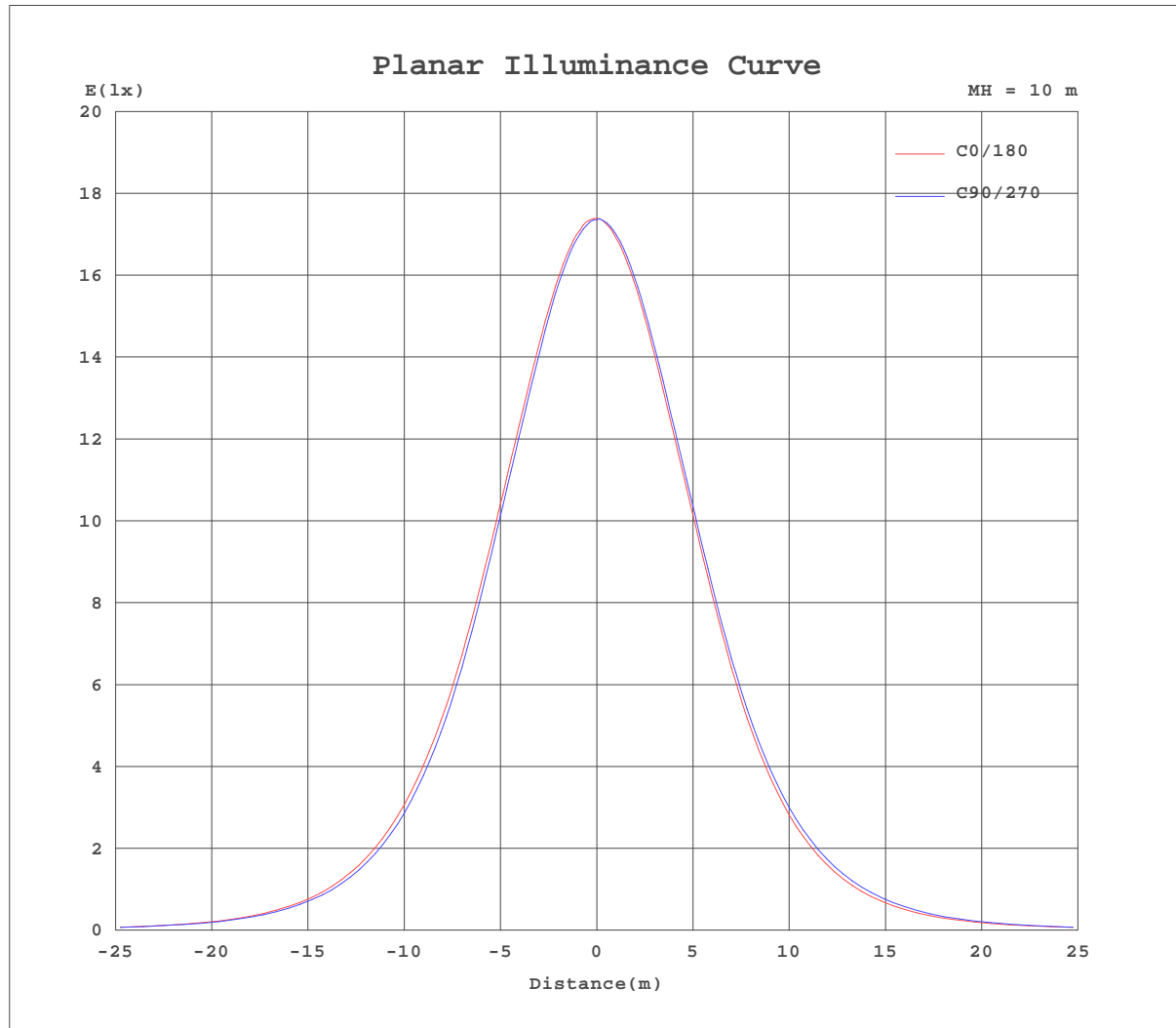
Test:U:120.4V I:0.2436A P:29.00W PF:0.9795 Lamp Flux:3451.9x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-5000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-5000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Aaron
 Test Date: 2025-05-28

g Range: 0 - 180DEG
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 Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 10.698m [K=1.0000]
 Remarks: TRP-250528SHA-01_F172
 T505281

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Aaron
Test Date: 2025-05-28

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-250528SHA-01_F172
T505281