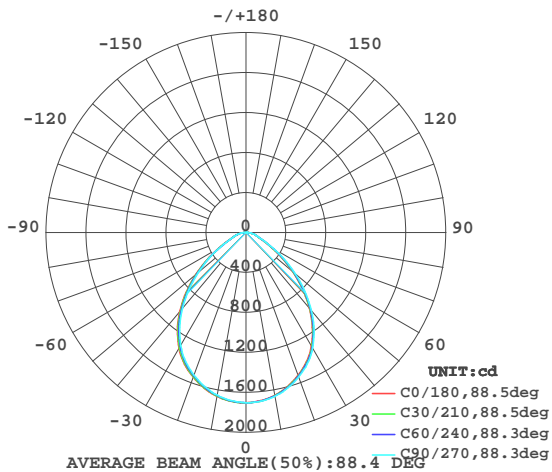


LUMINAIRE PHOTOMETRIC TEST REPORT

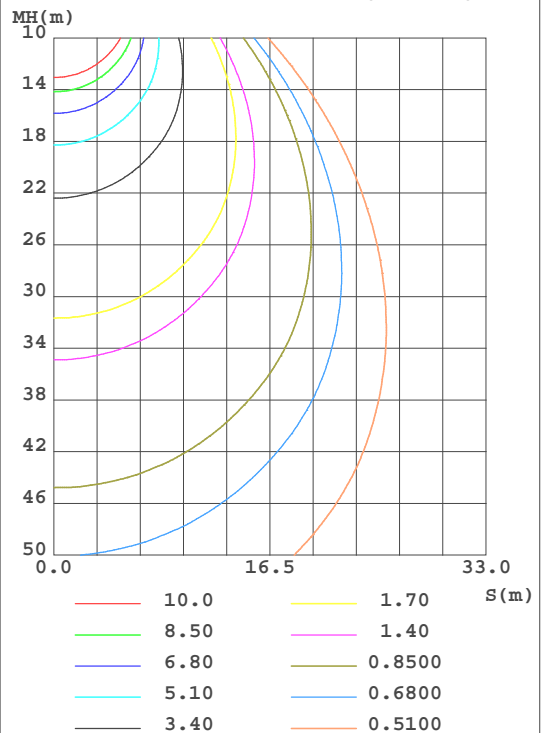
Test:U:120.4V I:0.2423A P:28.56W PF:0.9787 Lamp Flux:3387.45x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277-3500K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-3500K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 118.60 lm/W			
MODEL		Imax(cd)	1705	S/MH(C0/180)	1.16
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.17
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3387.5	h UP,DN(C0-180)	0.1,49.7
NOMINAL FLUX(lm)	3387.45	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.1,50.1
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)



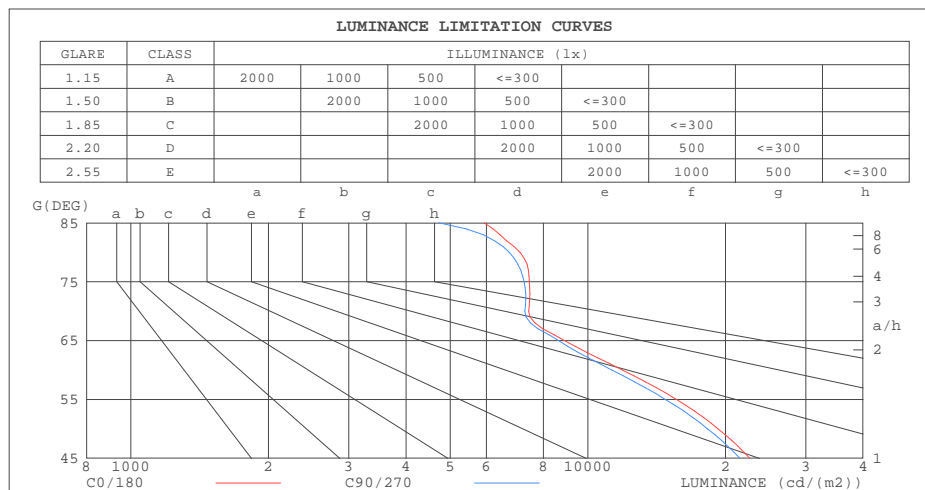
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Aaron
Test Date: 2025-05-28

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	1664	1661	1652	1652	1654	1658	1665	1669	0~ 10	160.5	160.5	4.74
20	1542	1534	1519	1517	1522	1529	1541	1547	10~ 20	452.2	612.7	18.1
30	1341	1328	1307	1305	1312	1320	1335	1344	20~ 30	662.2	1275	37.6
40	1031	1017	987.9	983.3	987.5	996.4	1018	1031	30~ 40	732.3	2007	59.3
50	656.8	647.4	622.7	612.8	612.1	620.8	647.0	658.8	40~ 50	632.4	2640	77.9
60	315.3	307.0	299.3	291.7	286.1	296.2	311.1	316.0	50~ 60	410.7	3050	90
70	134.5	134.3	132.0	131.5	129.3	128.5	131.3	133.1	60~ 70	198.6	3249	95.9
80	65.40	65.52	61.86	62.55	62.73	61.24	62.97	63.33	70~ 80	104.5	3353	99
90	0.0435	0	0	0	0	0	0	0	80~ 90	28.02	3381	99.8
100	0	0	0	0	0	0	0	0	90~100	0.0001	3381	99.8
110	0	0	0	0.0006	0.0388	0	0.0077	0	100~110	0.0002	3381	99.8
120	0.3432	0.3946	0.3620	0.4446	0.5187	0.4480	0.4637	0.4055	110~120	0.1795	3382	99.8
130	0.9545	1.007	0.9995	1.090	1.193	1.104	1.101	1.056	120~130	0.6481	3382	99.8
140	1.711	1.757	1.761	1.859	1.969	1.872	1.862	1.826	130~140	1.109	3383	99.9
150	2.466	2.519	2.523	2.620	2.705	2.605	2.612	2.582	140~150	1.380	3385	99.9
160	3.091	3.149	3.142	3.234	3.273	3.192	3.211	3.183	150~160	1.335	3386	100
170	3.534	3.580	3.567	3.658	3.653	3.585	3.624	3.601	160~170	0.9619	3387	100
180	3.715	3.723	3.723	3.764	3.734	3.723	3.742	3.764	170~180	0.3513	3387	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	5932	4730
80	7112	6724
75	7449	7255
70	7426	7281
65	8891	8644
60	11908	11296
55	15635	14784
50	19292	18285
45	22613	21522

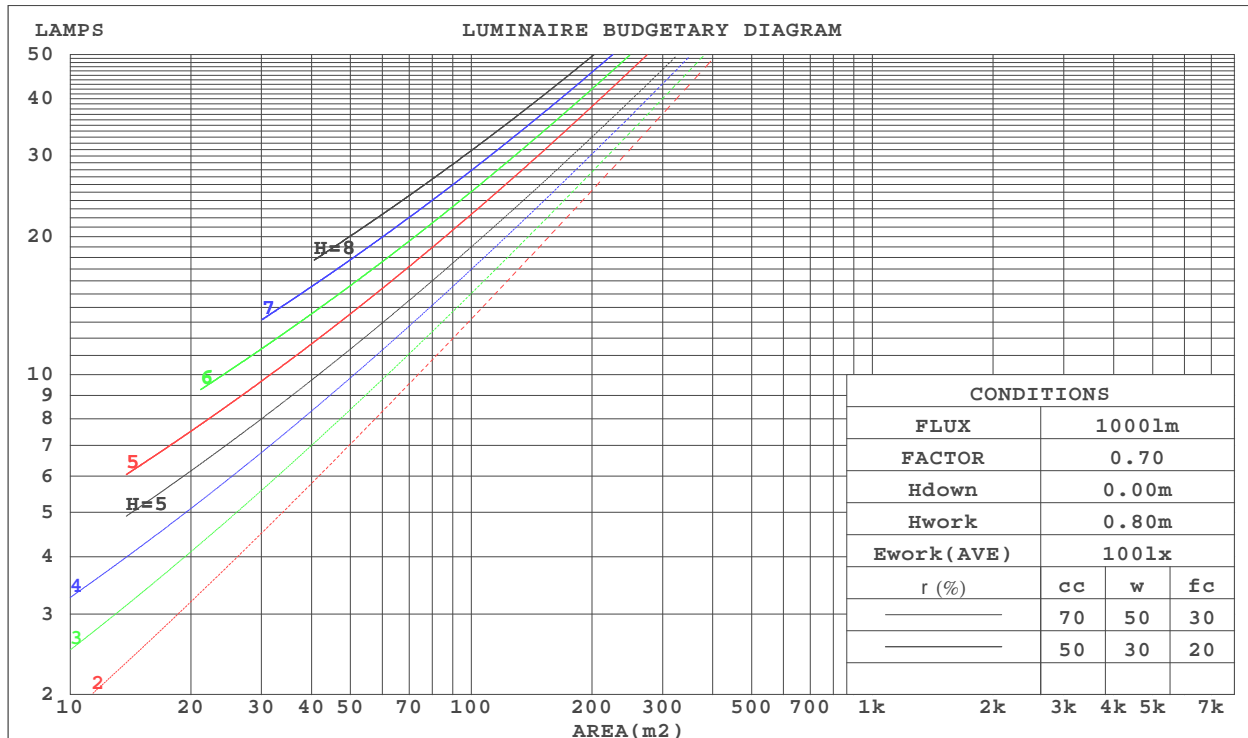
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Aaron
Test Date: 2025-05-28

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:0.2423A P:28.56W PF:0.9787 Lamp Flux:3387.45x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277L-3500K		WEIGHT:
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HDM277 L-3500K		SERIAL No.:01
MFR.: GREEN CREATIVE		PROTECTION ANGLE:
SUR.:		

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	.79	.74	.70	.76	.72	.69	.67
4.0	.77	.69	.64	.76	.69	.63	.73	.67	.62	.71	.66	.62	.69	.65	.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	.47
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	.39	.34	.45	.38	.34	.44	.38	.33	.43	.37	.33	.43	.37	.33	.32



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:0.2423A P:28.56W PF:0.9787 Lamp Flux:3387.45x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277-3500K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-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	.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	.205	.113	.035	.197	.109	.034	
4.0	.216	.112	.033	.211	.111	.033	.202	.107	.032	.194	.104	.031	.187	.101	.031	
5.0	.203	.103	.030	.199	.102	.030	.191	.099	.029	.184	.097	.029	.177	.094	.028	
6.0	.190	.095	.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	.022	
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	.071	.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	.122	.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	.123	.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:0.2423A P:28.56W PF:0.9787 Lamp Flux:3387.45x1 lm										
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277L-3500K								WEIGHT:		
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HDM277 L-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	21.7	23.1	22.0	23.3	23.5	21.5	22.9	21.8	23.1	23.3
3H	22.1	23.4	22.4	23.6	23.8	22.0	23.2	22.2	23.4	23.6
4H	22.4	23.5	22.7	23.8	24.0	22.2	23.3	22.5	23.6	23.8
6H	22.6	23.7	22.9	23.9	24.2	22.4	23.5	22.7	23.7	24.0
8H	22.6	23.7	23.0	24.0	24.2	22.4	23.5	22.8	23.8	24.0
12H	22.7	23.7	23.0	24.0	24.3	22.5	23.5	22.8	23.7	24.0
4H 2H	21.9	23.0	22.2	23.3	23.5	21.7	22.9	22.0	23.1	23.4
3H	22.4	23.4	22.8	23.7	24.0	22.3	23.3	22.6	23.6	23.9
4H	22.8	23.7	23.2	24.0	24.3	22.6	23.6	23.0	23.9	24.2
6H	23.1	23.9	23.5	24.3	24.6	23.0	23.8	23.4	24.1	24.5
8H	23.3	24.0	23.7	24.4	24.7	23.1	23.8	23.5	24.2	24.6
12H	23.3	24.0	23.8	24.4	24.8	23.1	23.8	23.6	24.2	24.6
8H 4H	22.9	23.6	23.3	24.0	24.4	22.8	23.5	23.2	23.9	24.2
6H	23.4	24.0	23.8	24.4	24.8	23.2	23.8	23.6	24.2	24.6
8H	23.6	24.1	24.0	24.5	25.0	23.4	23.9	23.8	24.3	24.8
12H	23.7	24.2	24.2	24.6	25.1	23.5	23.9	24.0	24.4	24.9
12H 4H	22.9	23.6	23.3	23.9	24.4	22.7	23.4	23.2	23.8	24.2
6H	23.4	23.9	23.8	24.4	24.8	23.2	23.8	23.7	24.2	24.7
8H	23.6	24.1	24.1	24.5	25.0	23.4	23.9	23.9	24.4	24.8
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 / - 1.3					+ 1.2 / - 1.2				

CIE Pub.117 Corrected 3387 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.2)

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:0.2423A P:28.56W PF:0.9787 Lamp Flux:3387.45x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-3500K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-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	56	50	65	55	50	64	55	49	44
0.80	76	66	60	75	66	60	73	65	59	53
1.00	84	75	69	83	74	68	81	75	68	62
1.25	90	82	76	89	81	75	87	80	75	68
1.50	95	87	81	93	86	81	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:0.2423A P:28.56W PF:0.9787 Lamp Flux:3387.45x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-3500K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-3500K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

2345.8 lm

%lum = 69.2%

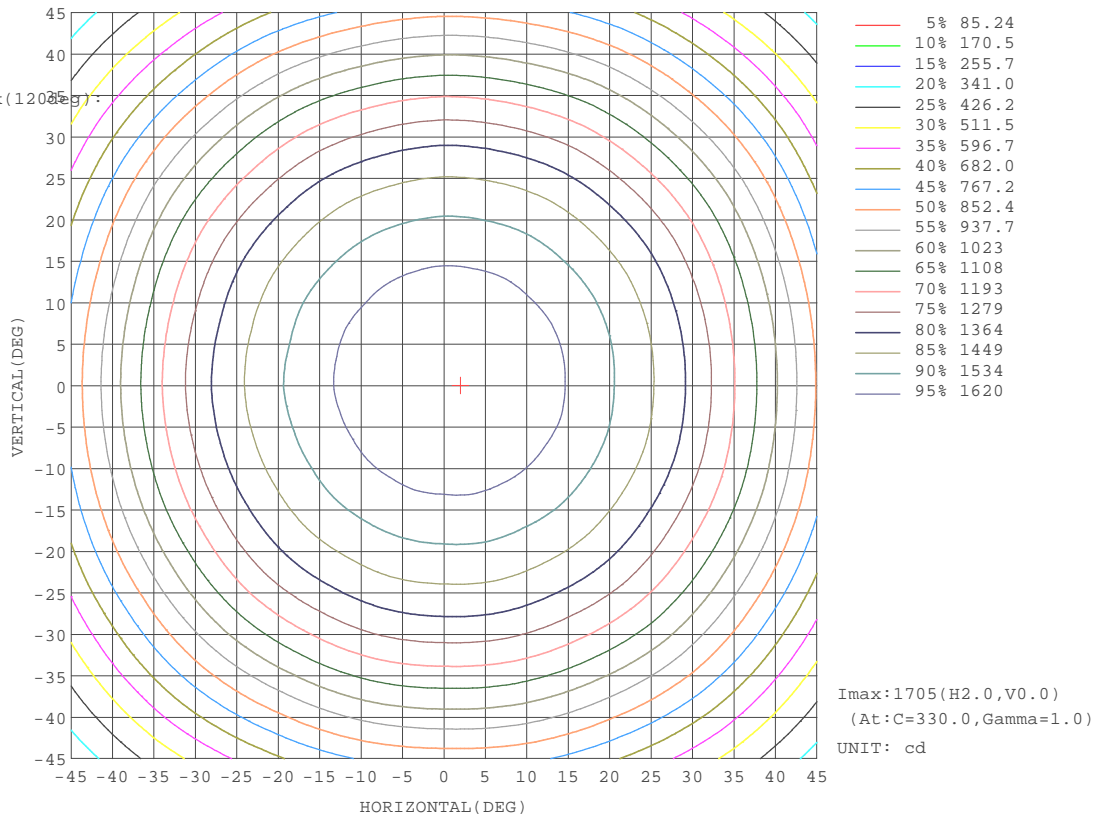
%lamp = 69.2%

Conical surface Flux(120deg):

3050.3 lm

%lum = 90.0%

%lamp = 90.0%



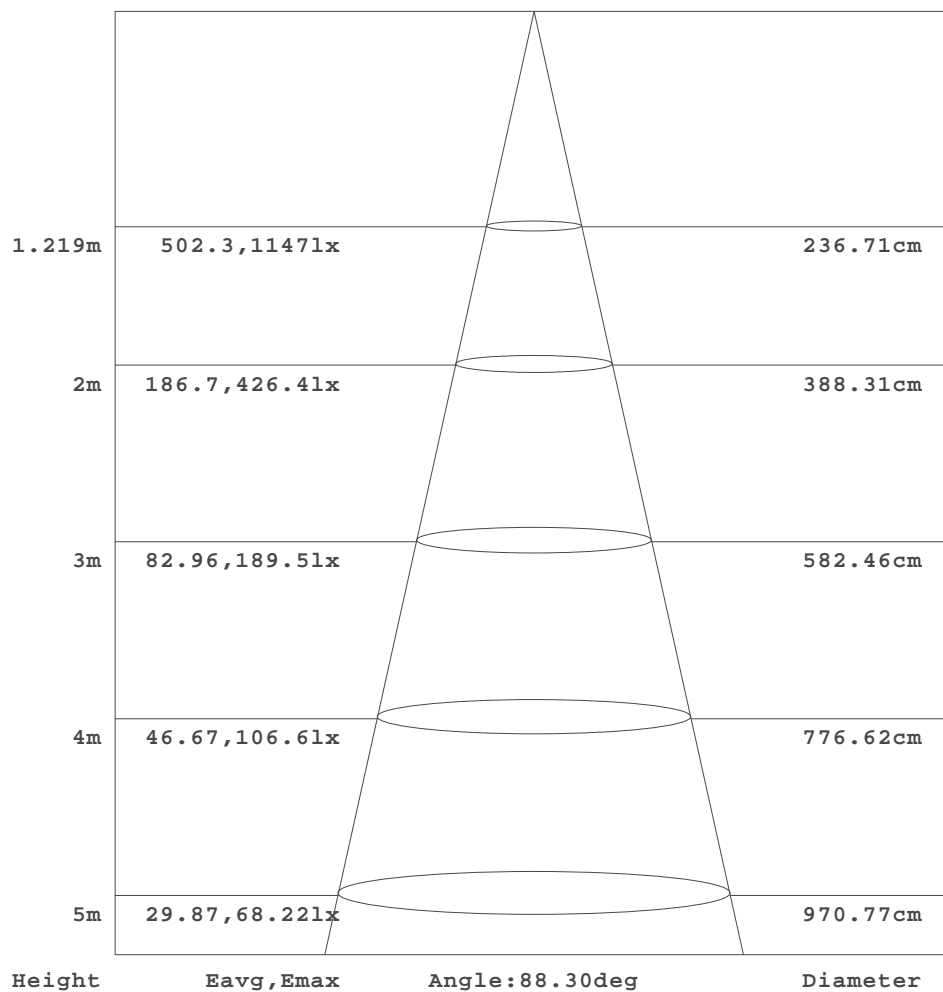
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2025-05-28

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:0.2423A P:28.56W PF:0.9787 Lamp Flux:3387.45x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277 L-3500K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277 L-3500K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:2346 lm



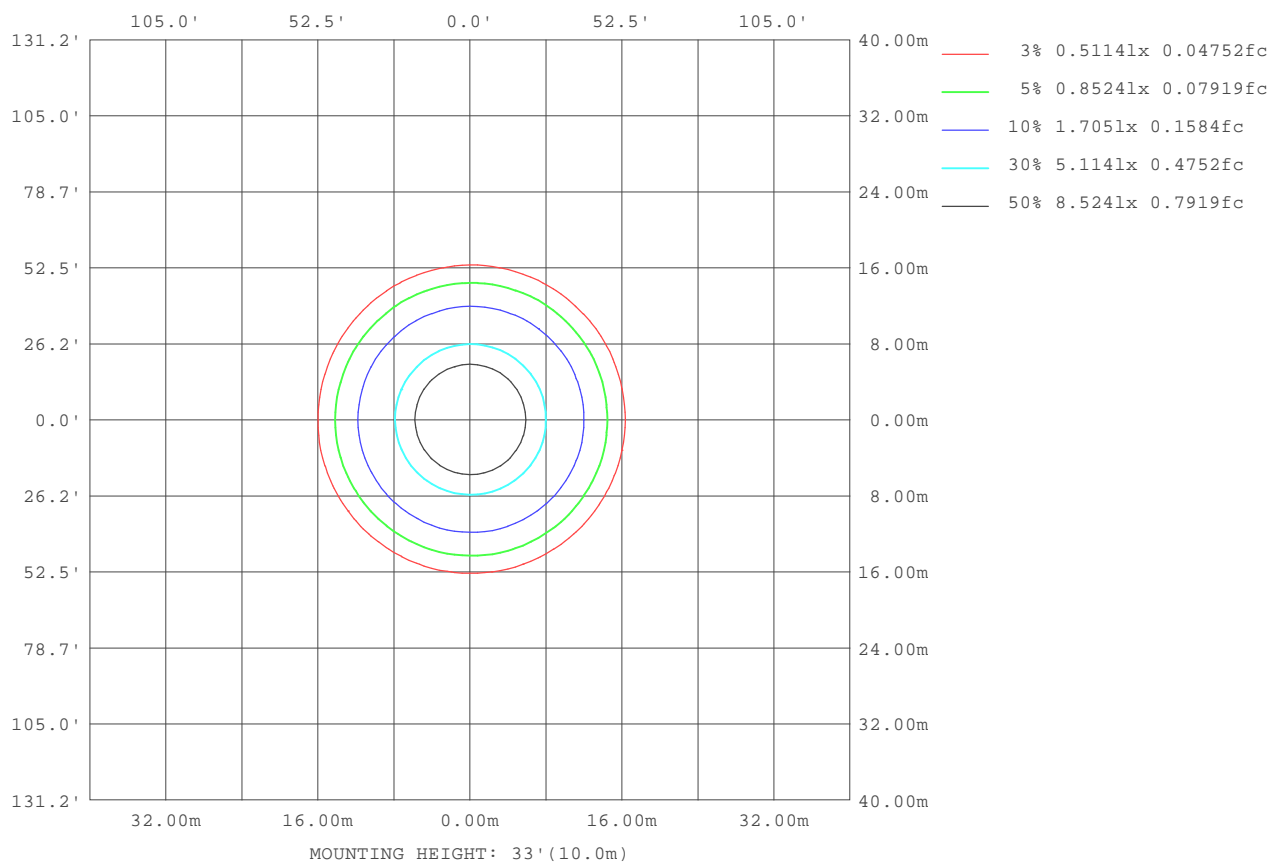
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

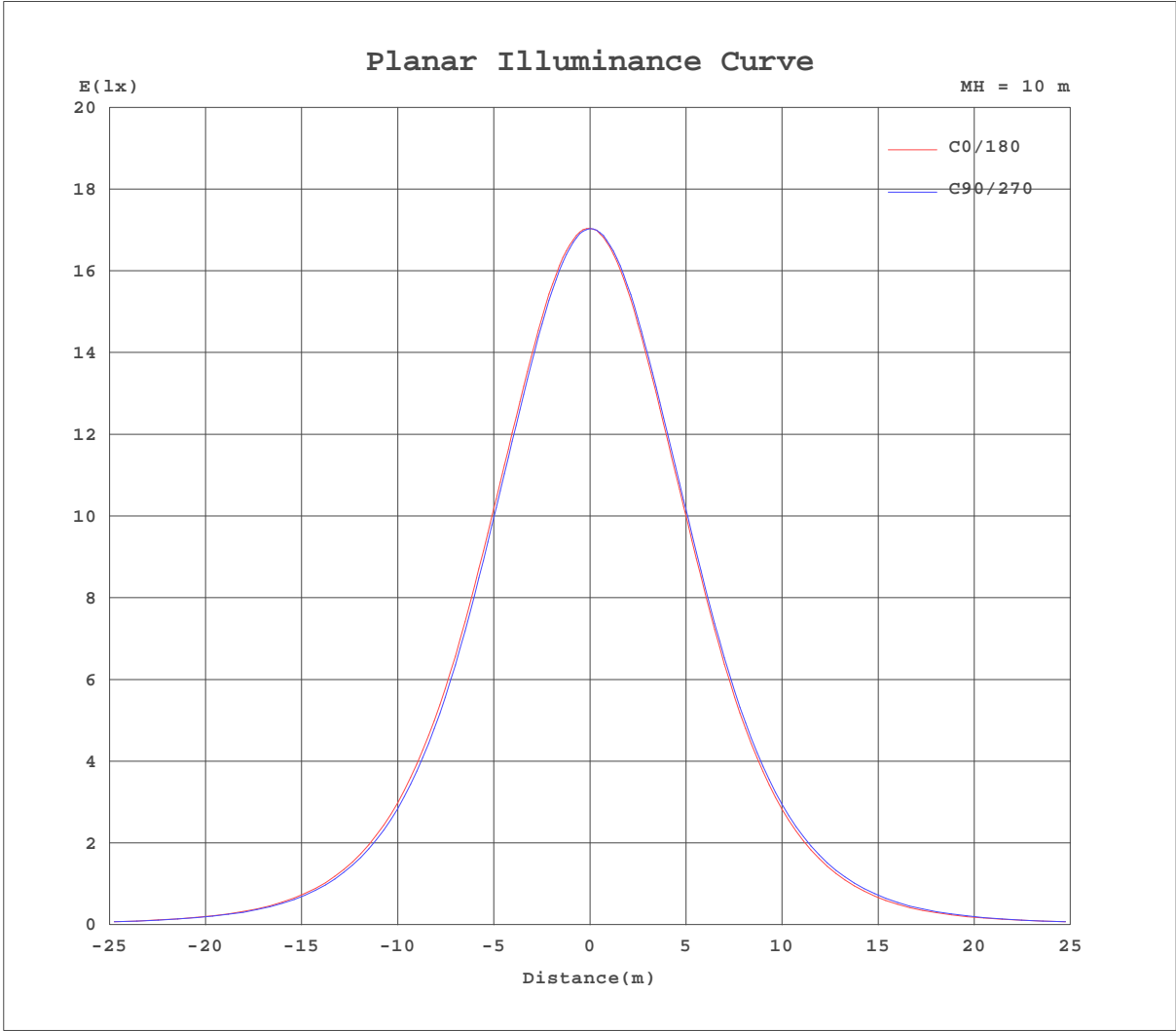
Test:U:120.4V I:0.2423A P:28.56W PF:0.9787 Lamp Flux:3387.45x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277-3500K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-3500K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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

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

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