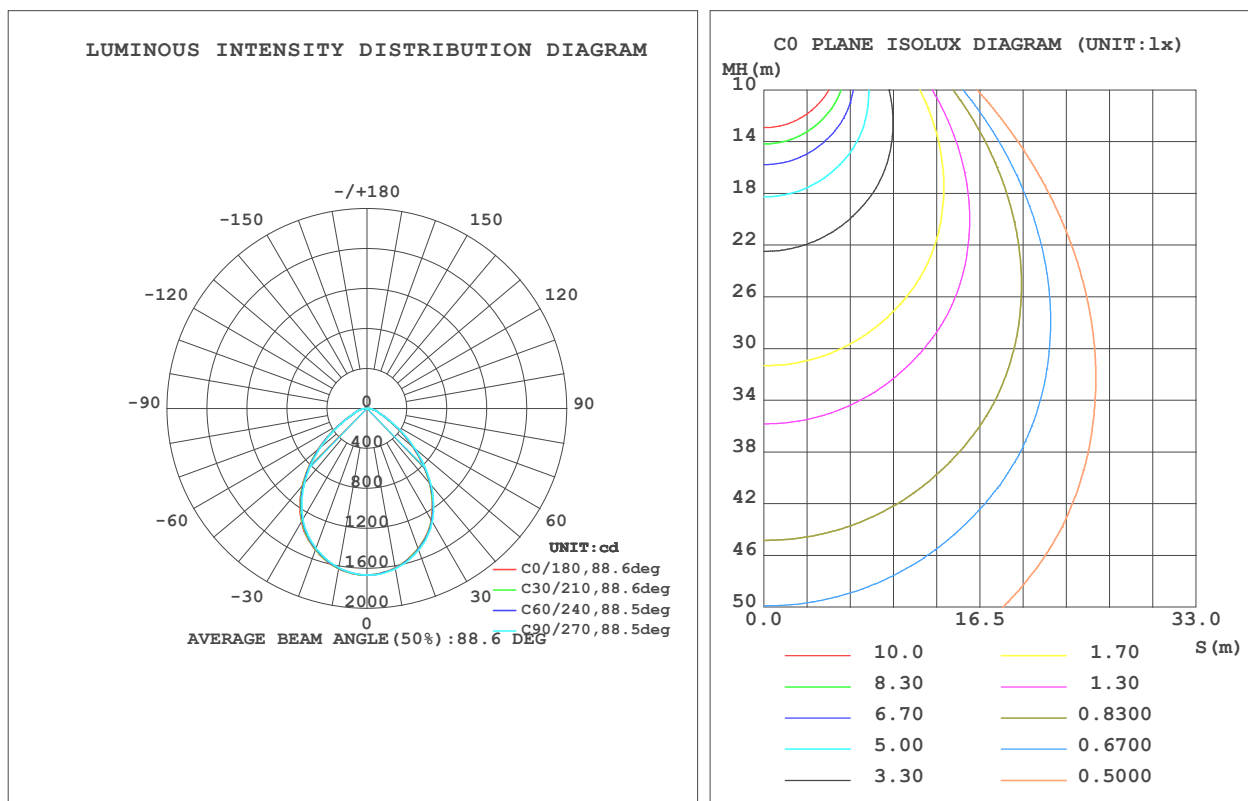


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.4V I:0.2443A P:28.77W PF:0.9792 Lamp Flux:3315.46x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277-3000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-3000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 115.24 lm/W			
MODEL		I _{max} (cd)	1667	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)	3315.5	h UP,DN (C0-180)	0.1,49.7
NOMINAL FLUX (lm)	3315.46	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



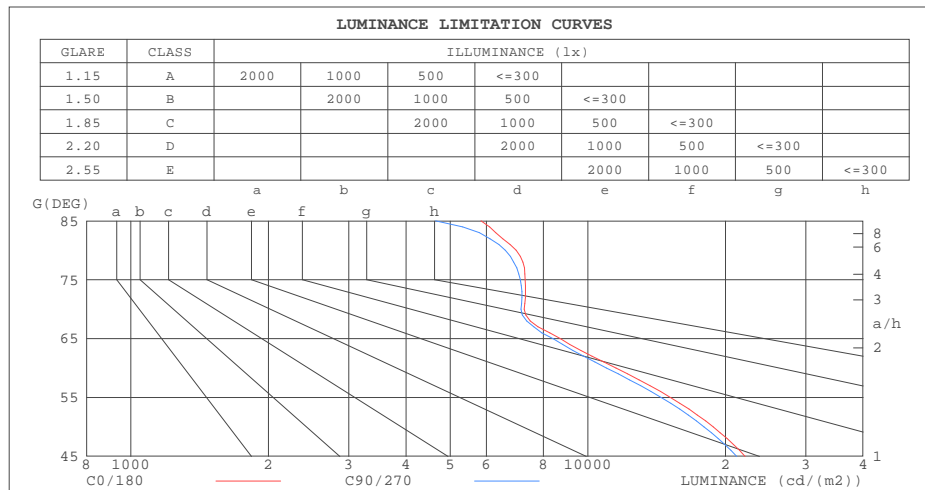
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2025-05-28

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	1628	1626	1619	1616	1620	1622	1629	1631	0~ 10	157.0	157.0	4.74
20	1508	1502	1489	1486	1490	1496	1508	1512	10~ 20	442.5	599.5	18.1
30	1311	1299	1282	1280	1287	1294	1308	1313	20~ 30	648.2	1248	37.6
40	1007	996.4	972.2	969.0	972.2	979.8	998.3	1007	30~ 40	718.0	1966	59.3
50	640.2	632.2	612.1	604.6	602.7	608.6	631.4	639.6	40~ 50	620.2	2586	78
60	305.3	297.3	291.4	285.2	279.9	287.8	300.5	305.1	50~ 60	400.5	2986	90.1
70	131.4	131.4	129.6	129.1	126.8	125.9	128.3	129.8	60~ 70	193.4	3180	95.9
80	64.08	64.18	60.72	61.46	61.24	59.75	61.66	61.92	70~ 80	102.4	3282	99
90	0.0436	0	0	0	0	0	0	0	80~ 90	27.43	3310	99.8
100	0	0	0	0	0	0	0	0	90~100	0.0002	3310	99.8
110	0	0	0	0.0001	0.0255	0	0.0065	0	100~110	0.0001	3310	99.8
120	0.3175	0.3822	0.3436	0.4260	0.4881	0.4237	0.4444	0.3802	110~120	0.1645	3310	99.8
130	0.9344	0.9765	0.9681	1.052	1.149	1.061	1.084	1.025	120~130	0.6235	3310	99.8
140	1.665	1.719	1.724	1.803	1.910	1.823	1.826	1.781	130~140	1.078	3312	99.9
150	2.409	2.474	2.462	2.551	2.628	2.541	2.558	2.526	140~150	1.346	3313	99.9
160	3.038	3.093	3.082	3.164	3.196	3.117	3.164	3.119	150~160	1.305	3314	100
170	3.445	3.505	3.488	3.558	3.564	3.492	3.551	3.526	160~170	0.9402	3315	100
180	3.651	3.655	3.657	3.676	3.651	3.655	3.676	3.670	170~180	0.3432	3315	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



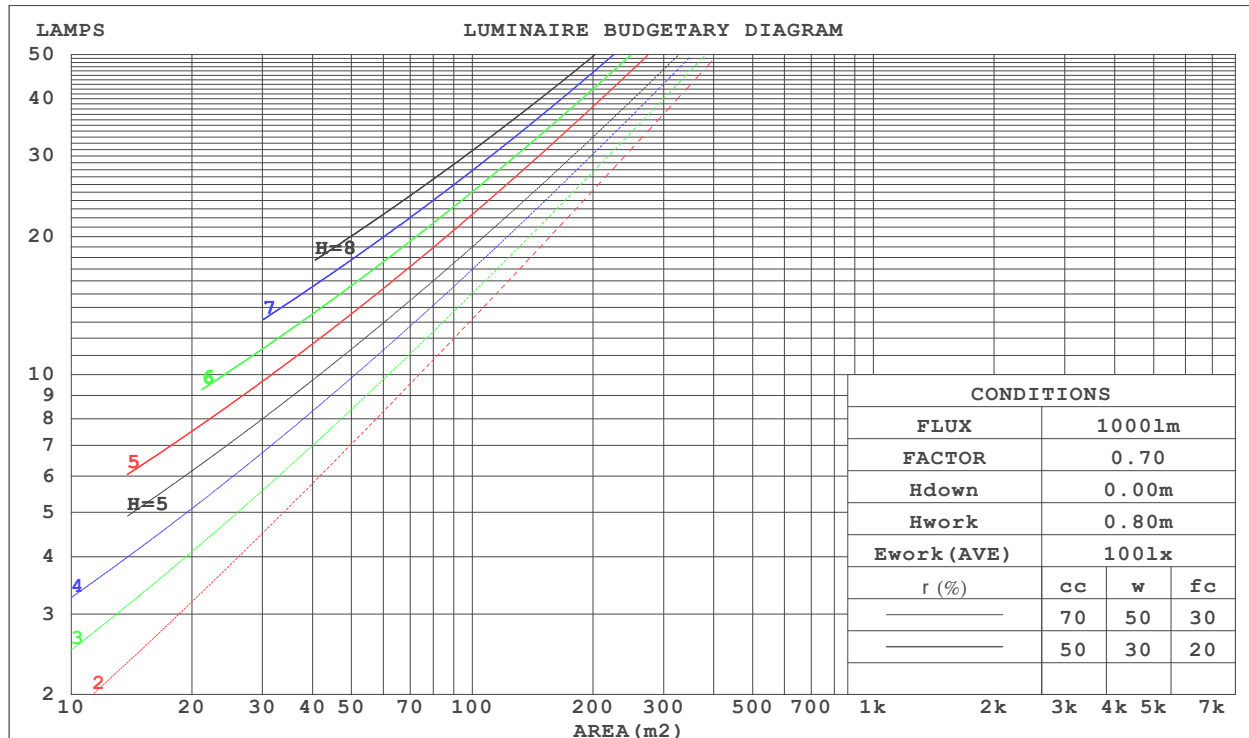
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Aaron
Test Date: 2025-05-28

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:0.2443A P:28.77W PF:0.9792 Lamp Flux:3315.46x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277L-3000K		WEIGHT:
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HDM277 L-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 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	.49	.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	.38	.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:0.2443A P:28.77W PF:0.9792 Lamp Flux:3315.46x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8'-Round-HO-277\42.5 37 30W -8'-Round-HO-277 L-3000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8'-Round-HO-277 L-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	.254	.144	.046	.247	.141	.045	.234	.134	.043	.222	.128	.041	.210	.122	.039	
2.0	.244	.133	.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	.198	.102	.030	.191	.099	.029	.183	.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	.158	.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	.133	.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	.080	.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:0.2443A P:28.77W PF:0.9792 Lamp Flux:3315.46x1 lm										
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277LED-3000K								WEIGHT:		
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HDM277 L-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	21.6	23.0	21.9	23.1	23.3	21.5	22.8	21.7	23.0	23.2
3H	22.0	23.3	22.3	23.5	23.7	21.9	23.1	22.2	23.3	23.6
4H	22.3	23.4	22.6	23.7	23.9	22.1	23.3	22.4	23.5	23.8
6H	22.5	23.6	22.8	23.8	24.1	22.3	23.4	22.6	23.7	23.9
8H	22.5	23.6	22.9	23.9	24.1	22.4	23.4	22.7	23.7	24.0
12H	22.6	23.6	22.9	23.9	24.2	22.4	23.4	22.7	23.7	24.0
4H 2H	21.8	22.9	22.1	23.2	23.4	21.6	22.8	21.9	23.0	23.3
3H	22.3	23.3	22.7	23.6	23.9	22.2	23.2	22.5	23.5	23.8
4H	22.7	23.6	23.1	23.9	24.2	22.6	23.5	22.9	23.8	24.1
6H	23.0	23.8	23.4	24.2	24.5	22.9	23.7	23.3	24.0	24.4
8H	23.2	23.9	23.6	24.3	24.7	23.0	23.7	23.4	24.1	24.5
12H	23.2	23.9	23.7	24.3	24.7	23.1	23.7	23.5	24.1	24.5
8H 4H	22.8	23.5	23.2	23.9	24.3	22.7	23.4	23.1	23.8	24.2
6H	23.3	23.9	23.7	24.3	24.7	23.1	23.7	23.6	24.1	24.6
8H	23.5	24.0	23.9	24.4	24.9	23.3	23.8	23.8	24.3	24.7
12H	23.6	24.1	24.1	24.5	25.0	23.4	23.9	23.9	24.3	24.8
12H 4H	22.8	23.5	23.2	23.8	24.2	22.7	23.3	23.1	23.7	24.1
6H	23.3	23.8	23.7	24.3	24.7	23.2	23.7	23.6	24.1	24.6
8H	23.5	24.0	24.0	24.4	24.9	23.4	23.8	23.8	24.3	24.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.7					+ 0.6 / - 0.7				
1.5H	+ 0.3 / - 0.3					+ 0.3 / - 0.3				
2.0H	+ 1.3 / - 1.3					+ 1.2 / - 1.3				

CIE Pub.117 Corrected 3315 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:0.2443A P:28.77W PF:0.9792 Lamp Flux:3315.46x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-3000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-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	56	50	65	56	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	76	87	80	75	69
1.50	95	87	81	93	86	81	90	84	79	73
2.00	100	93	88	99	92	88	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:0.2443A P:28.77W PF:0.9792 Lamp Flux:3315.46x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-3000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-3000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

2297.9 lm

%lum = 69.3%

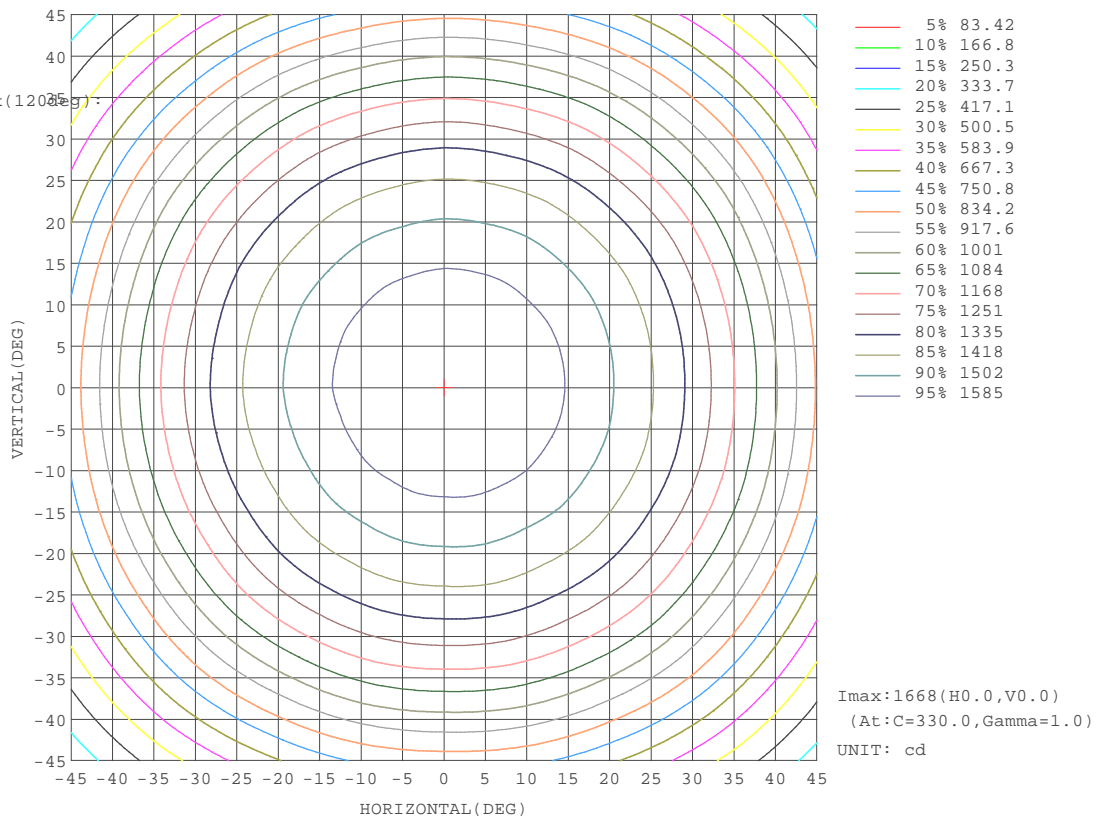
%lamp = 69.3%

Conical surface Flux(120deg):

2986.4 lm

%lum = 90.1%

%lamp = 90.1%

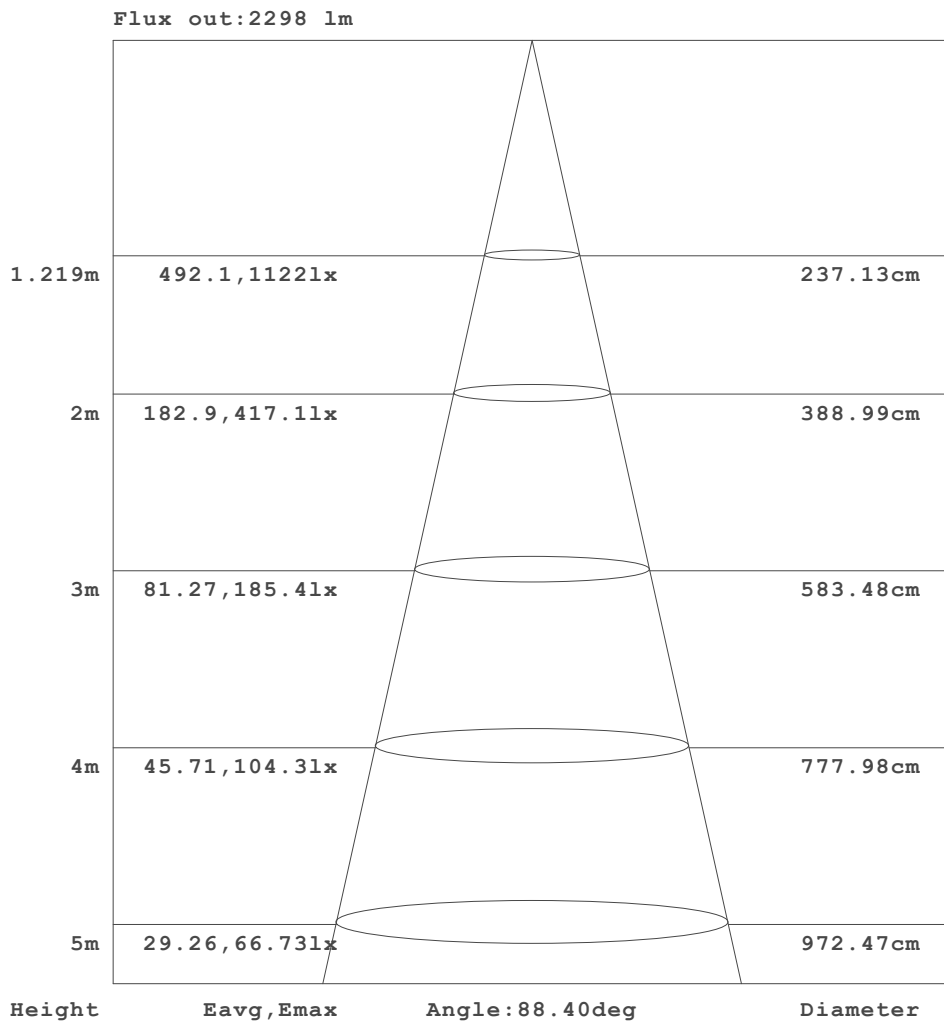


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2025-05-28

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:0.2443A P:28.77W PF:0.9792 Lamp Flux:3315.46x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277 L-3000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HOPE277 L-3000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



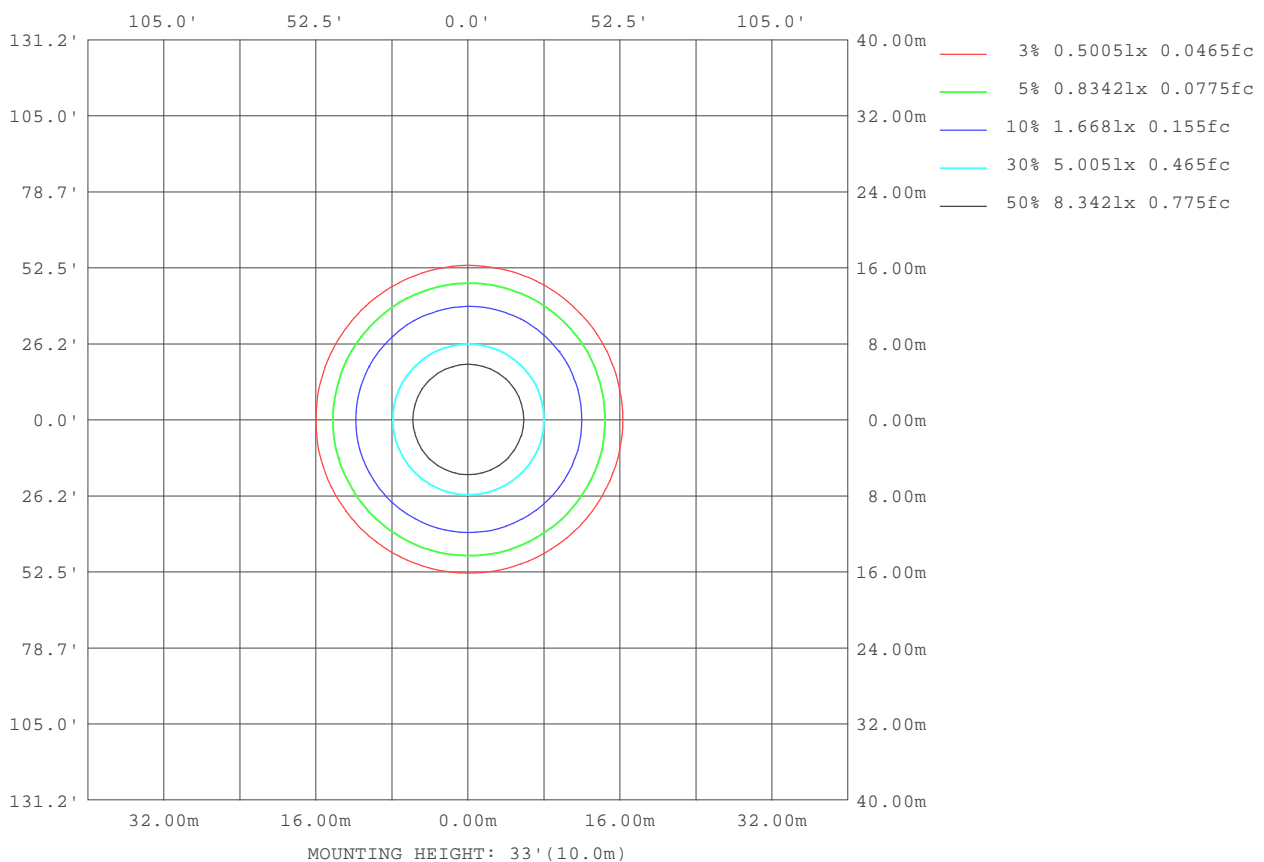
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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

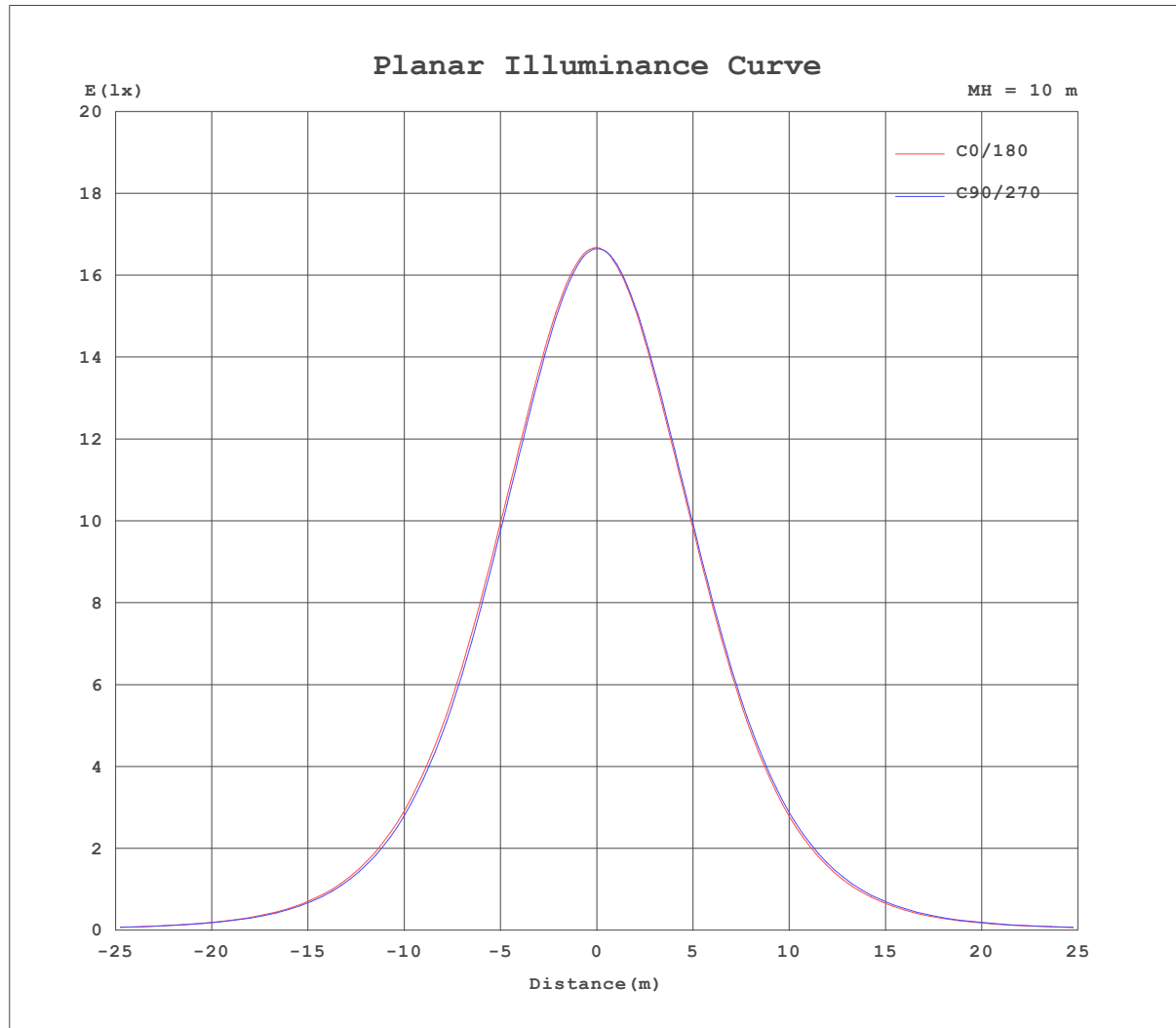
Test:U:120.4V I:0.2443A P:28.77W PF:0.9792 Lamp Flux:3315.46x1 lm		
NAME: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-3000K	WEIGHT:	
SPEC.: [Selectfit Cost down] - 42.53730W -8-Round-HO-277 L-3000K	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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

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