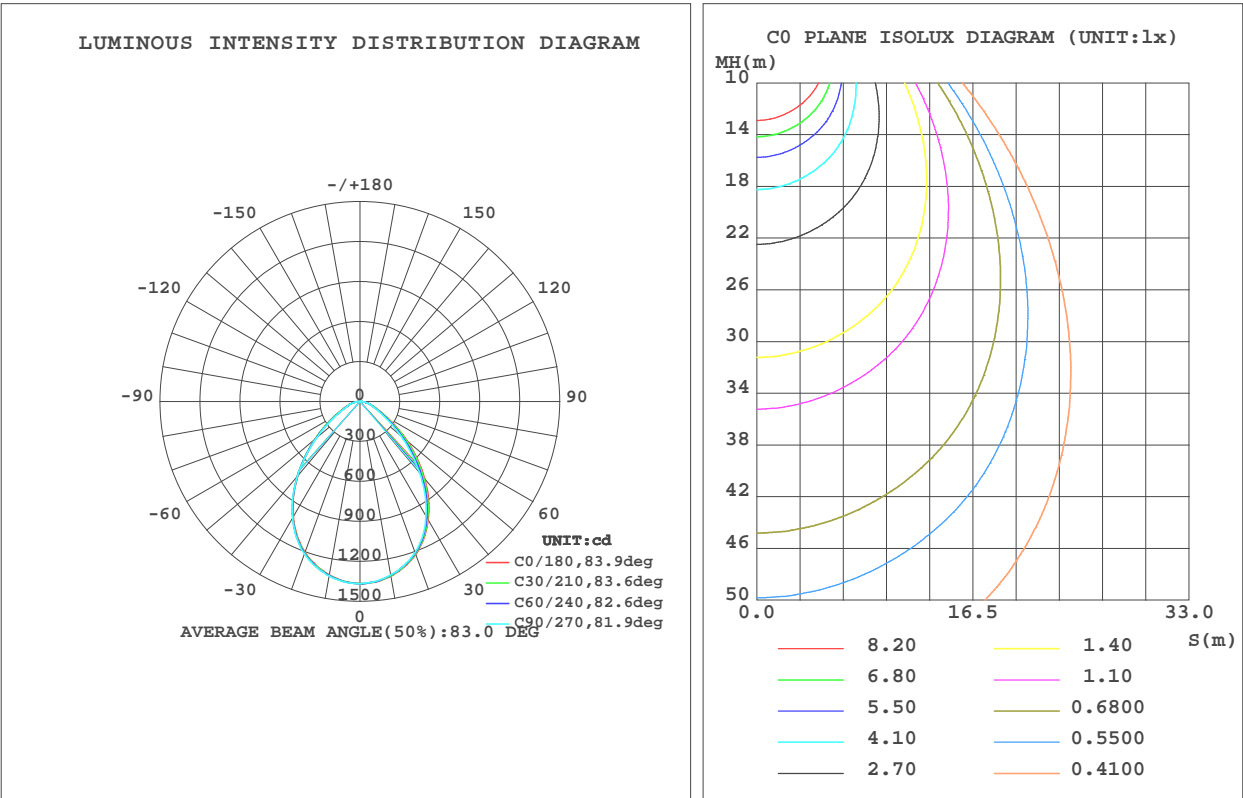


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.1V I:0.2026A P:23.80W PF:0.9781 Lamp Flux:2516.58x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 M-3000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-3000KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 105.74 lm/W			
MODEL		Imax(cd)	1367	S/MH(C0/180)	1.14
NOMINAL POWER(W)	23.8	LOR(%)	100.0	S/MH(C90/270)	1.11
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2516.6	h UP,DN(C0-180)	0.1,50.4
NOMINAL FLUX(lm)	2516.58	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.1,49.5
LAMPS INSIDE	1	h up(%)	0.2	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120	h down(%)	99.8	CIBSE SHR MAX	1.15



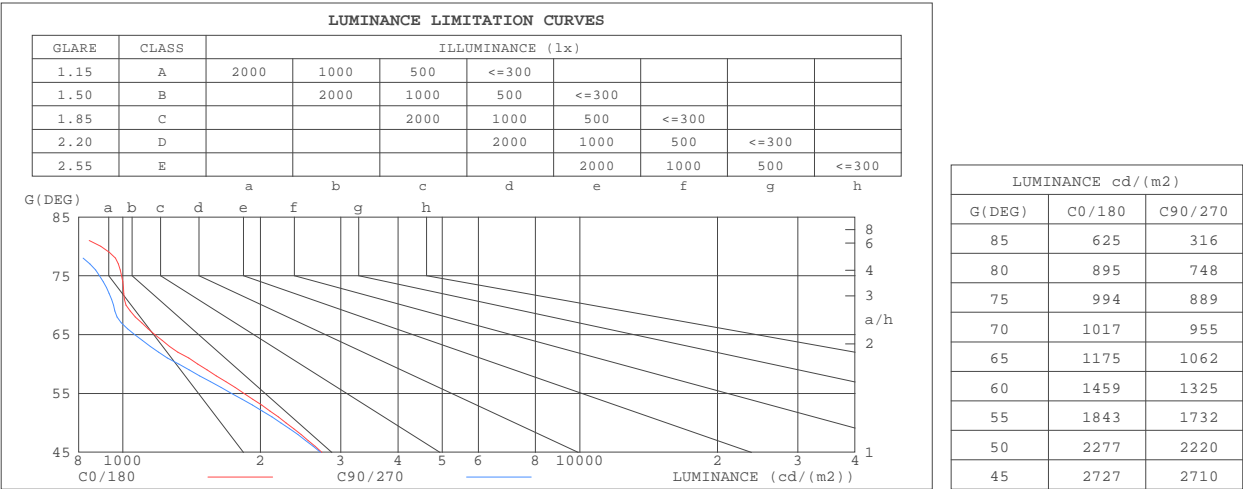
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.627m [K=1.0000]
Remarks: TRP-240925SHA-01_F172
T409251

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	1322	1326	1329	1331	1331	1328	1323	1321	0- 10	128.5	128.5	5.11
20	1206	1213	1217	1222	1222	1213	1207	1203	10- 20	359.9	488.4	19.4
30	1003	1011	1013	1026	1025	1009	993.2	994.5	20- 30	515.0	1003	39.9
40	727.1	734.1	729.7	755.3	755.8	728.6	697.0	710.4	30- 40	545.4	1549	61.5
50	439.5	443.7	428.1	457.9	465.6	437.6	401.4	417.1	40- 50	446.0	1995	79.3
60	219.1	212.8	198.8	216.8	226.0	211.6	190.7	202.5	50- 60	279.6	2274	90.4
70	104.5	100.7	97.99	102.3	106.9	100.5	96.71	98.50	60- 70	144.9	2419	96.1
80	46.67	43.53	38.95	44.16	44.57	43.87	40.34	43.74	70- 80	76.78	2496	99.2
90	0.0002	0	0	0	0	0	0	0	80- 90	16.67	2513	99.8
100	0	0	0	0	0	0	0	0	90-100	0.0000	2513	99.8
110	0	0	0	0	0	0	0	0	100-110	0	2513	99.8
120	0.0982	0.1548	0.0614	0.0989	0.1976	0.0862	0.1789	0.1478	110-120	0.0252	2513	99.9
130	0.5609	0.6234	0.5053	0.5183	0.6668	0.5487	0.6728	0.6407	120-130	0.3082	2513	99.9
140	1.135	1.197	1.072	1.067	1.229	1.140	1.265	1.238	130-140	0.6683	2514	99.9
150	1.709	1.788	1.677	1.658	1.803	1.745	1.863	1.811	140-150	0.9097	2515	99.9
160	2.221	2.288	2.220	2.194	2.309	2.256	2.375	2.286	150-160	0.9265	2516	100
170	2.567	2.658	2.578	2.595	2.660	2.620	2.689	2.613	160-170	0.6904	2516	100
180	2.740	2.744	2.738	2.736	2.734	2.750	2.775	2.736	170-180	0.2560	2517	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



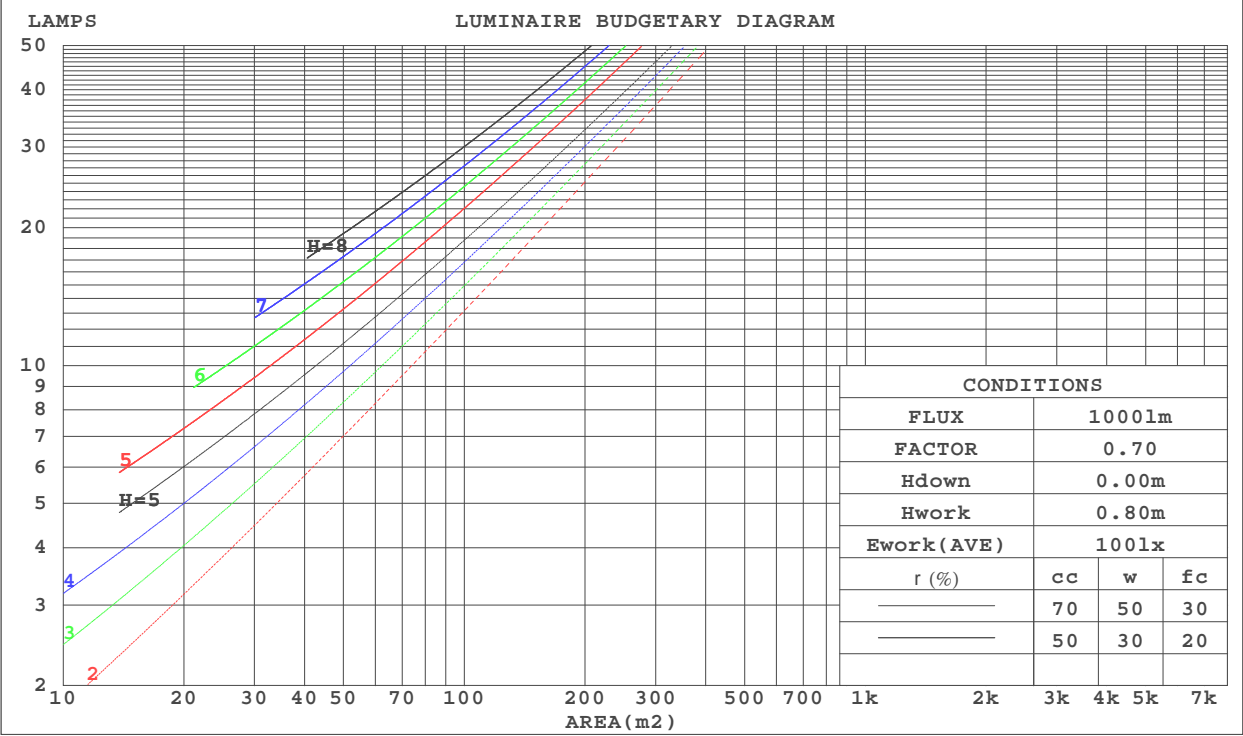
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.627m [K=1.0000]
Remarks: TRP-240925SHA-01_F172
T409251

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.1V I:0.2026A P:23.80W PF:0.9781 Lamp Flux:2516.58x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 M-3000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-3000KM.:	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	1.04	1.00	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.93	.92	.90	.88
2.0	.96	.90	.86	.94	.89	.85	.91	.86	.83	.87	.84	.81	.85	.82	.79	.77
3.0	.86	.79	.74	.85	.78	.73	.82	.76	.72	.79	.75	.71	.77	.73	.70	.68
4.0	.78	.70	.65	.77	.70	.64	.74	.68	.63	.72	.67	.63	.70	.65	.62	.60
5.0	.71	.63	.57	.70	.62	.57	.68	.61	.56	.66	.60	.56	.64	.59	.55	.53
6.0	.65	.57	.51	.64	.56	.51	.62	.55	.50	.60	.55	.50	.59	.54	.50	.48
7.0	.59	.51	.46	.58	.51	.46	.57	.50	.46	.56	.50	.45	.54	.49	.45	.43
8.0	.55	.47	.42	.54	.47	.42	.53	.46	.41	.51	.45	.41	.50	.45	.41	.39
9.0	.51	.43	.38	.50	.43	.38	.49	.42	.38	.48	.42	.38	.47	.41	.37	.36
10.0	.47	.40	.35	.46	.39	.35	.45	.39	.35	.45	.39	.35	.44	.38	.34	.33



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.627m [K=1.0000]
Remarks: TRP-240925SHA-01_F172
T409251

WEC AND CCEC

Test:U:120.1V I:0.2026A P:23.80W PF:0.9781 Lamp Flux:2516.58x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 M-3000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-3000KM.:	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	.249	.141	.045	.242	.138	.044	.229	.131	.042	.217	.125	.040	.206	.119	.038	
2.0	.239	.131	.040	.233	.128	.040	.222	.123	.038	.211	.119	.037	.202	.114	.036	
3.0	.226	.120	.036	.221	.118	.036	.211	.114	.035	.201	.110	.034	.193	.107	.033	
4.0	.212	.110	.032	.208	.109	.032	.199	.105	.031	.191	.102	.031	.183	.100	.030	
5.0	.199	.102	.029	.195	.100	.029	.187	.098	.029	.180	.095	.028	.174	.093	.028	
6.0	.187	.094	.027	.184	.093	.027	.177	.091	.026	.170	.089	.026	.164	.087	.026	
7.0	.176	.087	.025	.173	.086	.025	.167	.084	.024	.161	.083	.024	.156	.081	.024	
8.0	.166	.081	.023	.164	.081	.023	.158	.079	.023	.153	.077	.022	.148	.076	.022	
9.0	.157	.076	.021	.155	.075	.021	.150	.074	.021	.145	.073	.021	.141	.072	.021	
10.0	.149	.072	.020	.147	.071	.020	.142	.070	.020	.138	.069	.020	.134	.067	.019	

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	.177	.158	.140	.152	.135	.121	.104	.093	.084	.060	.054	.049	.019	.017	.016	
2.0	.166	.133	.106	.143	.115	.091	.098	.079	.064	.056	.046	.037	.018	.015	.012	
3.0	.157	.115	.082	.135	.099	.071	.092	.069	.050	.053	.040	.029	.017	.013	.010	
4.0	.149	.101	.065	.128	.088	.056	.088	.061	.040	.051	.036	.024	.016	.012	.008	
5.0	.141	.091	.053	.121	.078	.046	.084	.055	.033	.048	.032	.019	.016	.010	.006	
6.0	.135	.082	.044	.116	.071	.038	.080	.050	.027	.046	.029	.016	.015	.010	.005	
7.0	.128	.075	.037	.110	.065	.033	.076	.045	.023	.044	.027	.014	.014	.009	.005	
8.0	.122	.069	.032	.105	.060	.028	.073	.042	.020	.042	.025	.012	.014	.008	.004	
9.0	.117	.064	.028	.101	.056	.025	.070	.039	.018	.041	.023	.010	.013	.008	.003	
10.0	.112	.060	.025	.096	.052	.022	.067	.036	.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:2024-09-30

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:10.627m [K=1.0000]
 Remarks: TRP-240925SHA-01_F172
 T409251

UGR(Unified Glare Rating) Table

Test:U:120.1V I:0.2026A P:23.80W PF:0.9781 Lamp Flux:2516.58x1 lm										
NAME: F172#Selectfit downlight 6寸HO手板样 M-3000KPE:LED							WEIGHT:			
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-3000KM.:							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	14.2	15.5	14.5	15.7	15.9	14.0	15.3	14.2	15.5	15.7
3H	14.8	16.0	15.0	16.2	16.4	14.5	15.7	14.7	15.9	16.1
4H	15.0	16.2	15.3	16.4	16.7	14.7	15.8	15.0	16.1	16.3
6H	15.3	16.3	15.6	16.6	16.8	14.9	15.9	15.2	16.2	16.5
8H	15.3	16.3	15.6	16.6	16.9	14.9	15.9	15.2	16.2	16.5
12H	15.3	16.3	15.7	16.6	16.9	14.9	15.9	15.2	16.1	16.4
4H 2H	14.4	15.5	14.7	15.8	16.0	14.2	15.3	14.5	15.6	15.8
3H	15.1	16.1	15.4	16.4	16.7	14.8	15.8	15.2	16.1	16.4
4H	15.5	16.4	15.9	16.7	17.0	15.2	16.1	15.6	16.4	16.7
6H	15.8	16.6	16.2	17.0	17.3	15.5	16.2	15.8	16.6	17.0
8H	16.0	16.7	16.4	17.1	17.4	15.5	16.3	15.9	16.6	17.0
12H	16.0	16.7	16.4	17.1	17.5	15.5	16.2	15.9	16.6	17.0
8H 4H	15.6	16.3	16.0	16.7	17.1	15.3	16.0	15.7	16.4	16.8
6H	16.1	16.7	16.5	17.1	17.5	15.7	16.3	16.1	16.7	17.1
8H	16.2	16.8	16.7	17.2	17.6	15.8	16.3	16.2	16.7	17.2
12H	16.3	16.8	16.8	17.2	17.7	15.8	16.3	16.3	16.7	17.2
12H 4H	15.6	16.2	16.0	16.6	17.0	15.3	16.0	15.7	16.3	16.7
6H	16.1	16.6	16.5	17.0	17.5	15.7	16.2	16.2	16.7	17.1
8H	16.3	16.7	16.8	17.2	17.7	15.8	16.3	16.3	16.7	17.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.7					+ 0.6 / - 0.8				
1.5H	+ 0.3 / - 0.3					+ 0.3 / - 0.4				
2.0H	+ 1.2 / - 1.1					+ 1.4 / - 1.2				

CIE Pub.117 Corrected 2517 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.2)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.627m [K=1.0000]
Remarks: TRP-240925SHA-01_F172
T409251

UTILIZATION FACTORS TABLE

Test:U:120.1V I:0.2026A P:23.80W PF:0.9781 Lamp Flux:2516.58x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 M-3000K	TYPE:LED	WEIGHT:
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-3000K	M.:	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	67	57	52	67	57	51	66	57	51	46
0.80	77	68	61	76	67	61	75	66	61	55
1.00	85	76	70	84	75	70	82	76	69	63
1.25	91	83	77	90	82	77	87	81	76	70
1.50	95	88	82	94	87	82	91	85	81	74
2.00	101	94	89	99	93	88	96	91	87	80
2.50	104	98	93	102	96	92	98	94	90	83
3.00	106	101	97	104	99	96	101	97	93	86
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	107	104	109	106	103	105	102	100	91
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:2024-09-30

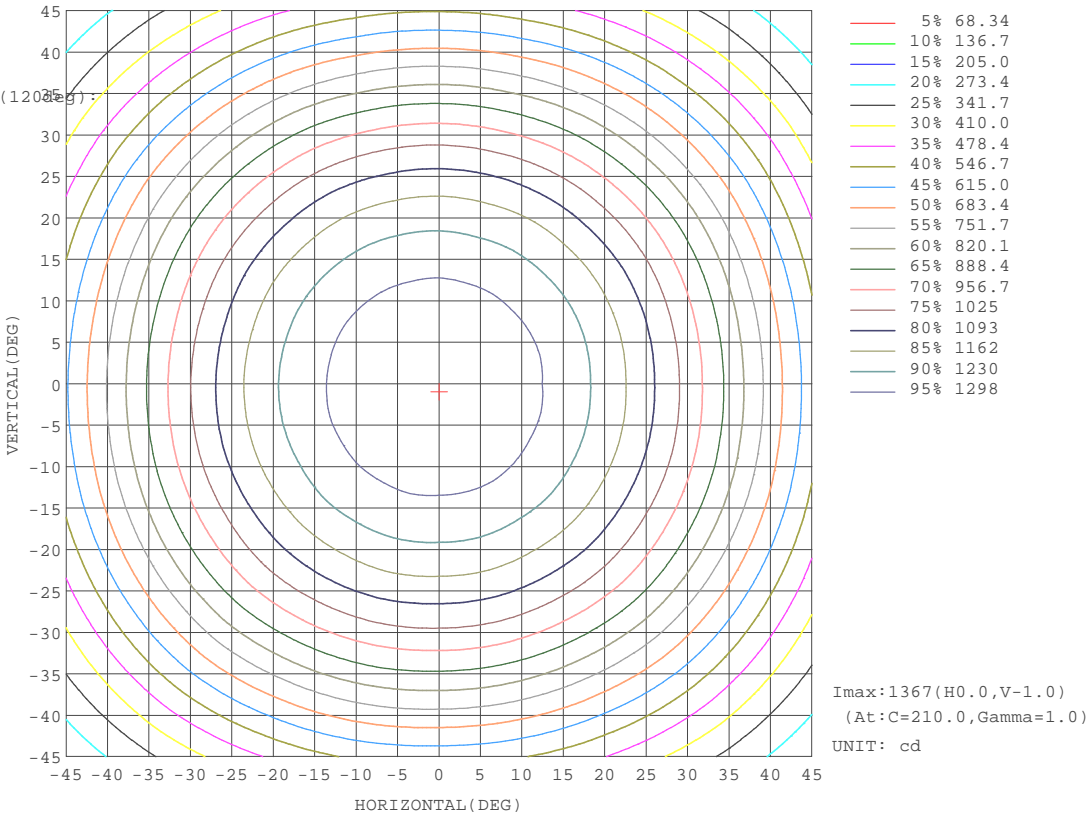
g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:10.627m [K=1.0000]
 Remarks: TRP-240925SHA-01_F172
 T409251

ISOCANDELA DIAGRAM

Test:U:120.1V I:0.2026A P:23.80W PF:0.9781 Lamp Flux:2516.58x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 M-3000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-3000K.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):
1790.5 lm
%lum = 71.1%
%lamp = 71.1%

Conical surface Flux(120deg):
2274.5 lm
%lum = 90.4%
%lamp = 90.4%



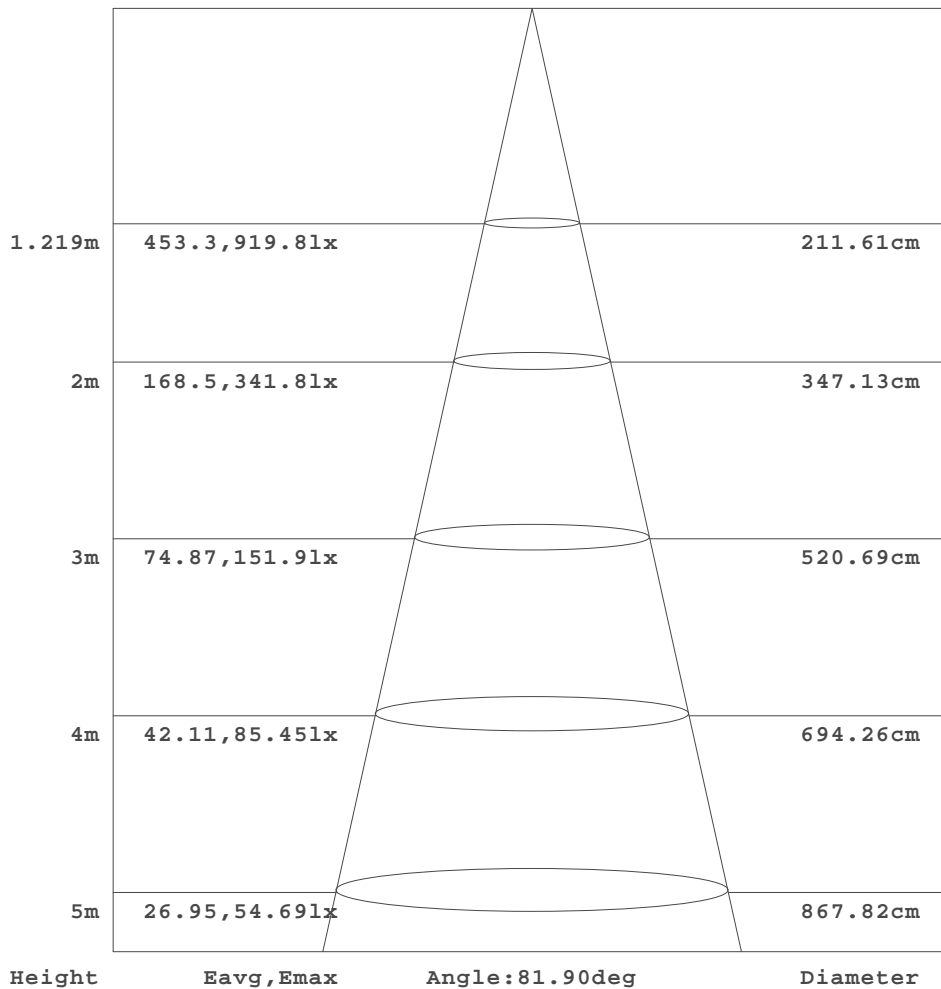
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.627m [K=1.0000]
Remarks: TRP-240925SHA-01_F172
T409251

AAI Figure

Test:U:120.1V I:0.2026A P:23.80W PF:0.9781 Lamp Flux:2516.58x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 M-3000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-3000K:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:1600 lm



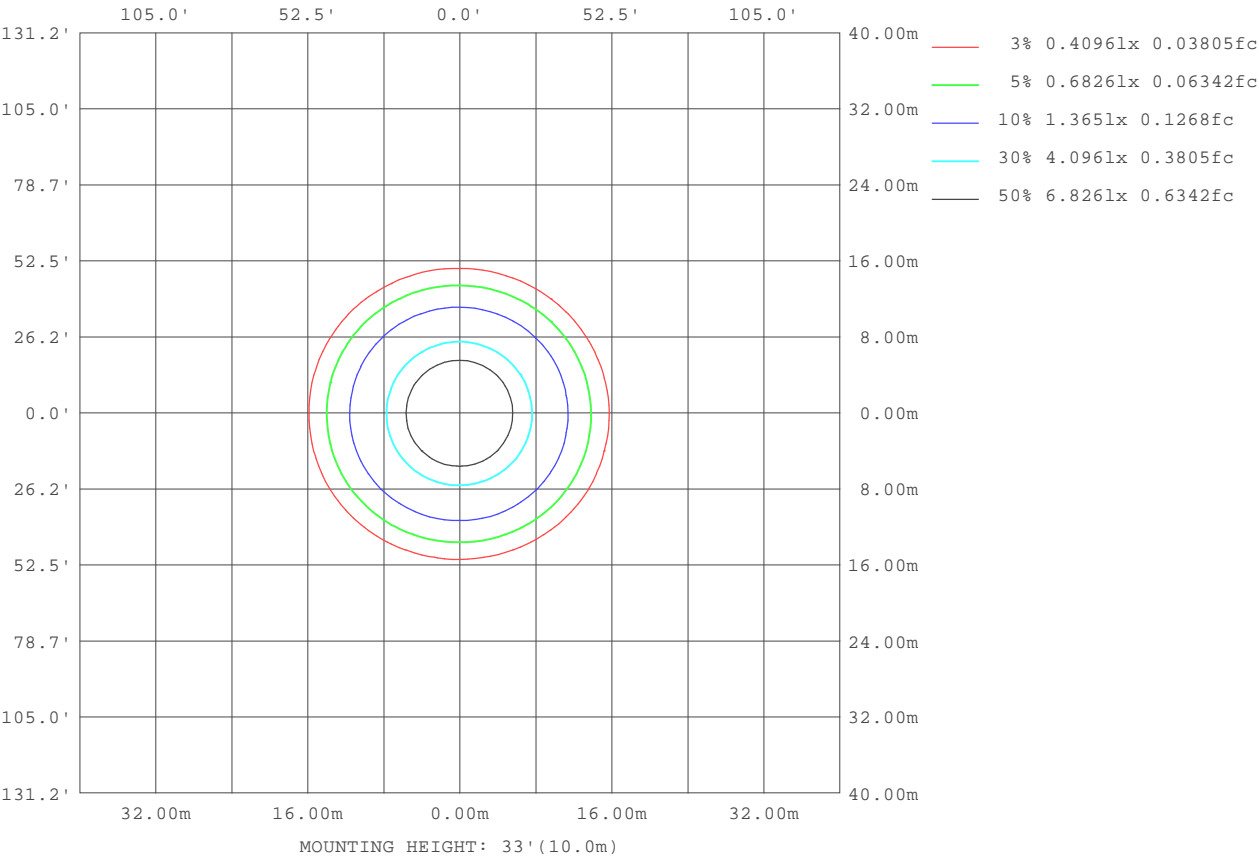
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Aaron
 Test Date: 2024-09-30

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 10.627m [K=1.0000]
 Remarks: TRP-240925SHA-01_F172
 T409251

ISOLUX DIAGRAM

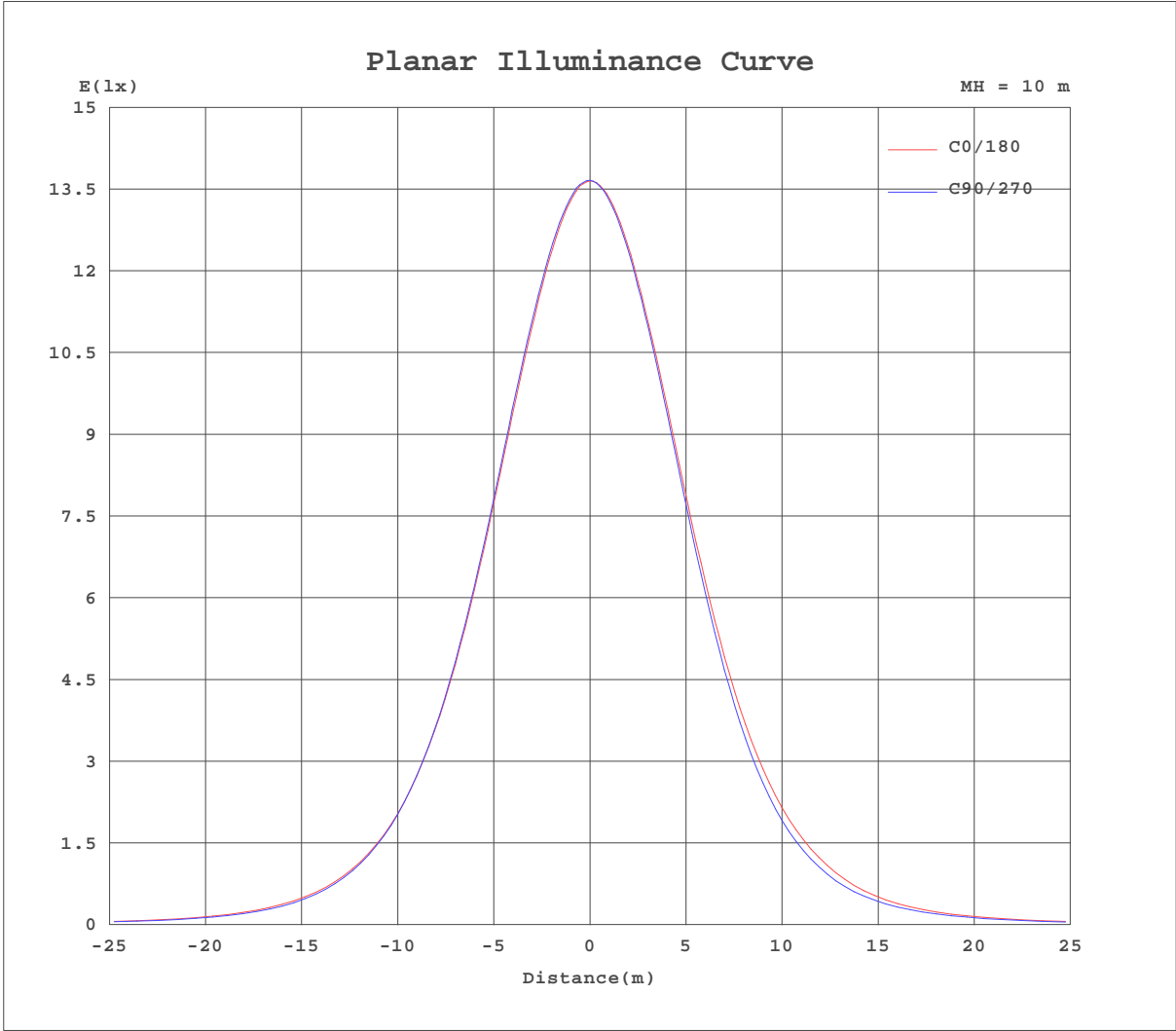
Test:U:120.1V I:0.2026A P:23.80W PF:0.9781 Lamp Flux:2516.58x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 M-3000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-3000KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.627m [K=1.0000]
Remarks: TRP-240925SHA-01_F172
T409251

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.627m [K=1.0000]
Remarks: TRP-240925SHA-01_F172
T409251