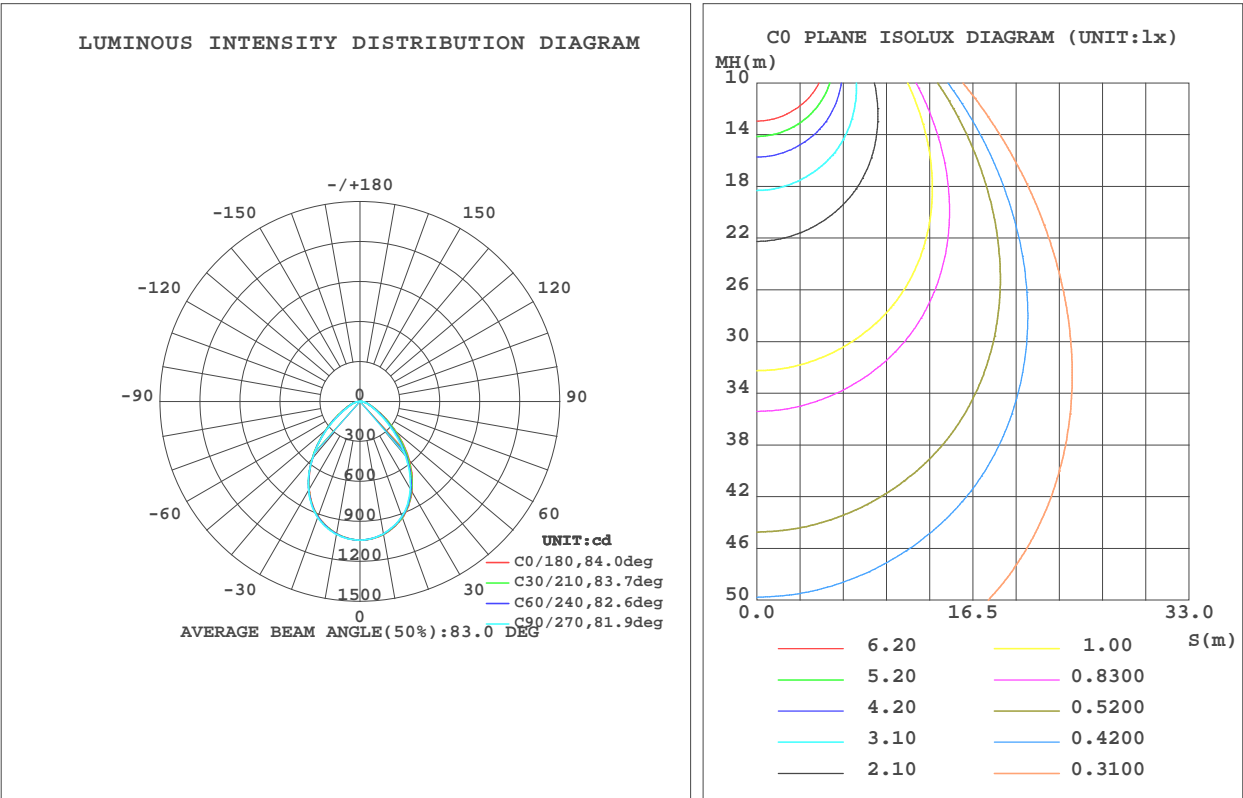


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.2V I:0.1512A P:17.57W PF:0.9677 Lamp Flux:1915.21x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-3000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-3000KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 109.00 lm/W			
MODEL		Imax(cd)	1041	S/MH(C0/180)	1.14
NOMINAL POWER(W)	17.57	LOR(%)	100.0	S/MH(C90/270)	1.11
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1915.2	h UP,DN(C0-180)	0.1,50.4
NOMINAL FLUX(lm)	1915.21	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.1,49.5
LAMPS INSIDE	1	h up(%)	0.1	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120	h down(%)	99.9	CIBSE SHR MAX	1.15



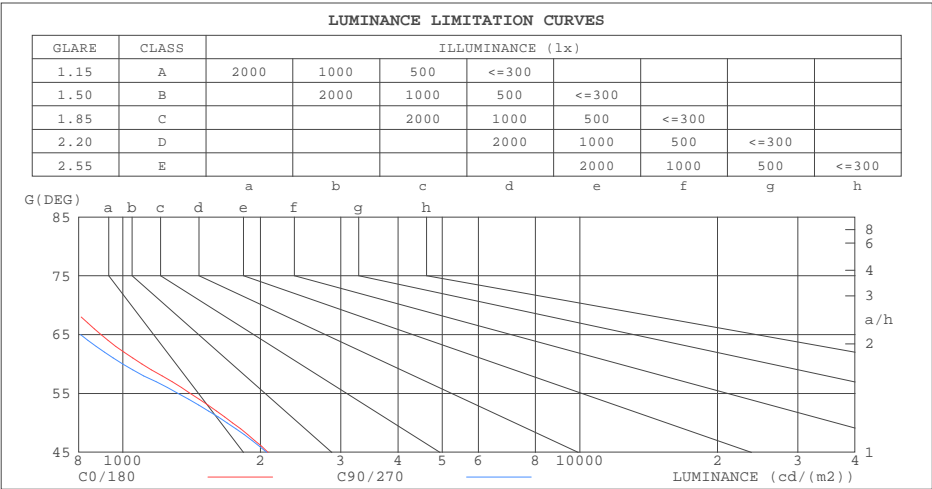
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

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	1007	1010	1013	1013	1013	1010	1009	1005	0~ 10	97.85	97.85	5.11
20	917.8	924.0	928.1	929.7	930.6	924.0	918.9	915.4	10~ 20	274.0	371.9	19.4
30	763.7	769.4	772.1	779.9	779.8	768.0	756.0	756.4	20~ 30	392.2	764.0	39.9
40	554.5	559.7	555.5	574.6	575.5	554.9	530.7	540.7	30~ 40	415.4	1179	61.6
50	335.2	335.3	326.6	345.9	351.7	333.6	302.8	318.4	40~ 50	339.7	1519	79.3
60	165.3	161.9	150.1	165.2	171.9	159.4	145.0	152.5	50~ 60	212.6	1732	90.4
70	79.41	76.51	74.38	77.65	81.22	76.38	73.46	75.00	60~ 70	110.1	1842	96.2
80	35.40	33.01	29.50	33.56	33.72	33.35	30.58	33.20	70~ 80	58.33	1900	99.2
90	0	0	0	0	0	0	0	0	80~ 90	12.57	1913	99.9
100	0	0	0	0	0	0	0	0	90~100	0	1913	99.9
110	0	0	0	0	0	0	0	0	100~110	0	1913	99.9
120	0	0.0001	0	0	0.0064	0	0.0062	0	110~120	0.0002	1913	99.9
130	0.2710	0.3333	0.2402	0.2527	0.3639	0.2773	0.3708	0.3445	120~130	0.1115	1913	99.9
140	0.7025	0.7770	0.6660	0.6596	0.7956	0.7144	0.8328	0.7823	130~140	0.3967	1913	99.9
150	1.140	1.227	1.135	1.122	1.233	1.171	1.277	1.238	140~150	0.6016	1914	99.9
160	1.528	1.615	1.529	1.528	1.615	1.566	1.665	1.589	150~160	0.6387	1915	100
170	1.800	1.893	1.825	1.831	1.886	1.849	1.910	1.836	160~170	0.4847	1915	100
180	1.948	1.942	1.937	1.947	1.948	1.942	1.937	1.941	170~180	0.1810	1915	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	471	236
80	680	566
75	757	675
70	774	725
65	896	808
60	1102	1001
55	1406	1322
50	1739	1693
45	2080	2065

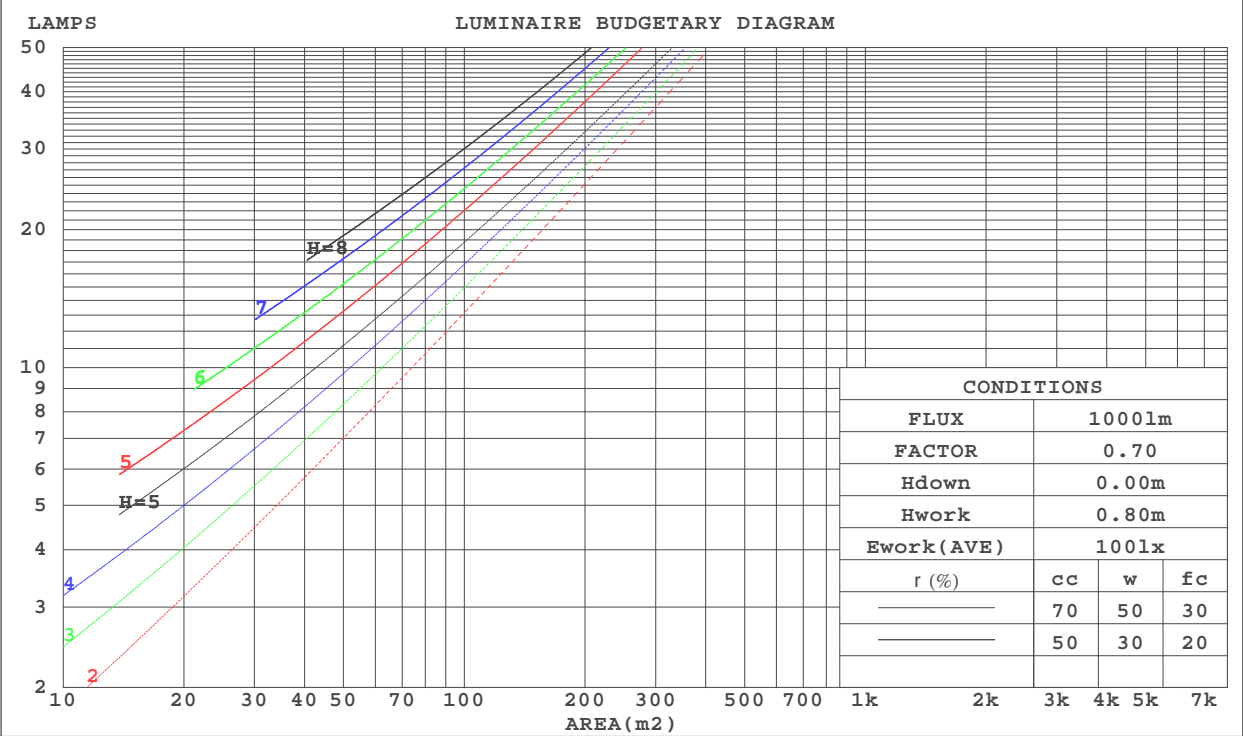
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

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:120.2V I:0.1512A P:17.57W PF:0.9677 Lamp Flux:1915.21x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-3000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-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	.59	.51	.46	.57	.50	.46	.56	.50	.45	.54	.49	.45	.43
8.0	.55	.47	.42	.54	.47	.42	.53	.46	.41	.52	.46	.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	.40	.35	.46	.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:120.2V I:0.1512A P:17.57W PF:0.9677 Lamp Flux:1915.21x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-3000K	TYPE:LED	WEIGHT:
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-3000K	M.::	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	.248	.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	.220	.118	.036	.211	.114	.035	.201	.110	.034	.193	.107	.033	
4.0	.212	.110	.032	.207	.109	.032	.199	.105	.031	.191	.102	.031	.183	.100	.030	
5.0	.199	.101	.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	.191	.191	.191	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.177	.158	.140	.151	.135	.121	.104	.093	.083	.060	.054	.049	.019	.017	.016	
2.0	.166	.133	.105	.142	.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	.087	.056	.088	.061	.040	.051	.036	.023	.016	.012	.008	
5.0	.141	.090	.053	.121	.078	.046	.084	.055	.032	.048	.032	.019	.016	.010	.006	
6.0	.134	.082	.044	.115	.071	.038	.080	.050	.027	.046	.029	.016	.015	.010	.005	
7.0	.128	.075	.037	.110	.065	.032	.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	.116	.064	.028	.100	.055	.025	.070	.039	.017	.041	.023	.010	.013	.008	.003	
10.0	.111	.060	.025	.096	.052	.022	.067	.036	.015	.039	.021	.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:120.2V I:0.1512A P:17.57W PF:0.9677 Lamp Flux:1915.21x1 lm										
NAME: F172#Selectfit downlight 6寸HO手板样 L-3000KPE:LED							WEIGHT:			
SPEC.:F172#Selectfit downlight 6寸HO手板样 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	13.3	14.6	13.5	14.8	15.0	13.0	14.3	13.3	14.5	14.7
3H	13.8	15.0	14.1	15.2	15.5	13.5	14.7	13.8	14.9	15.2
4H	14.1	15.2	14.4	15.5	15.7	13.7	14.9	14.0	15.1	15.4
6H	14.3	15.4	14.6	15.6	15.9	13.9	15.0	14.2	15.2	15.5
8H	14.4	15.4	14.7	15.7	15.9	13.9	15.0	14.3	15.2	15.5
12H	14.4	15.4	14.7	15.6	15.9	13.9	14.9	14.3	15.2	15.5
4H 2H	13.4	14.6	13.7	14.8	15.1	13.2	14.4	13.5	14.6	14.9
3H	14.2	15.1	14.5	15.4	15.7	13.9	14.9	14.2	15.2	15.4
4H	14.5	15.4	14.9	15.8	16.1	14.2	15.1	14.6	15.4	15.8
6H	14.9	15.7	15.3	16.0	16.4	14.5	15.3	14.9	15.6	16.0
8H	15.0	15.7	15.4	16.1	16.5	14.6	15.3	15.0	15.7	16.0
12H	15.1	15.7	15.5	16.1	16.5	14.6	15.2	15.0	15.6	16.0
8H 4H	14.6	15.4	15.0	15.7	16.1	14.3	15.1	14.8	15.4	15.8
6H	15.1	15.7	15.6	16.1	16.5	14.7	15.3	15.2	15.7	16.2
8H	15.3	15.8	15.7	16.2	16.7	14.8	15.4	15.3	15.8	16.2
12H	15.4	15.8	15.9	16.3	16.8	14.9	15.3	15.3	15.8	16.2
12H 4H	14.6	15.3	15.0	15.7	16.1	14.3	15.0	14.8	15.4	15.8
6H	15.1	15.7	15.6	16.1	16.5	14.7	15.3	15.2	15.7	16.2
8H	15.3	15.8	15.8	16.2	16.7	14.9	15.3	15.4	15.8	16.3
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 1915 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.3)

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:120.2V I:0.1512A P:17.57W PF:0.9677 Lamp Flux:1915.21x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-3000K	TYPE:LED	WEIGHT:
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-3000K	MODEL:	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	58	52	67	57	51	66	57	51	46
0.80	77	68	62	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

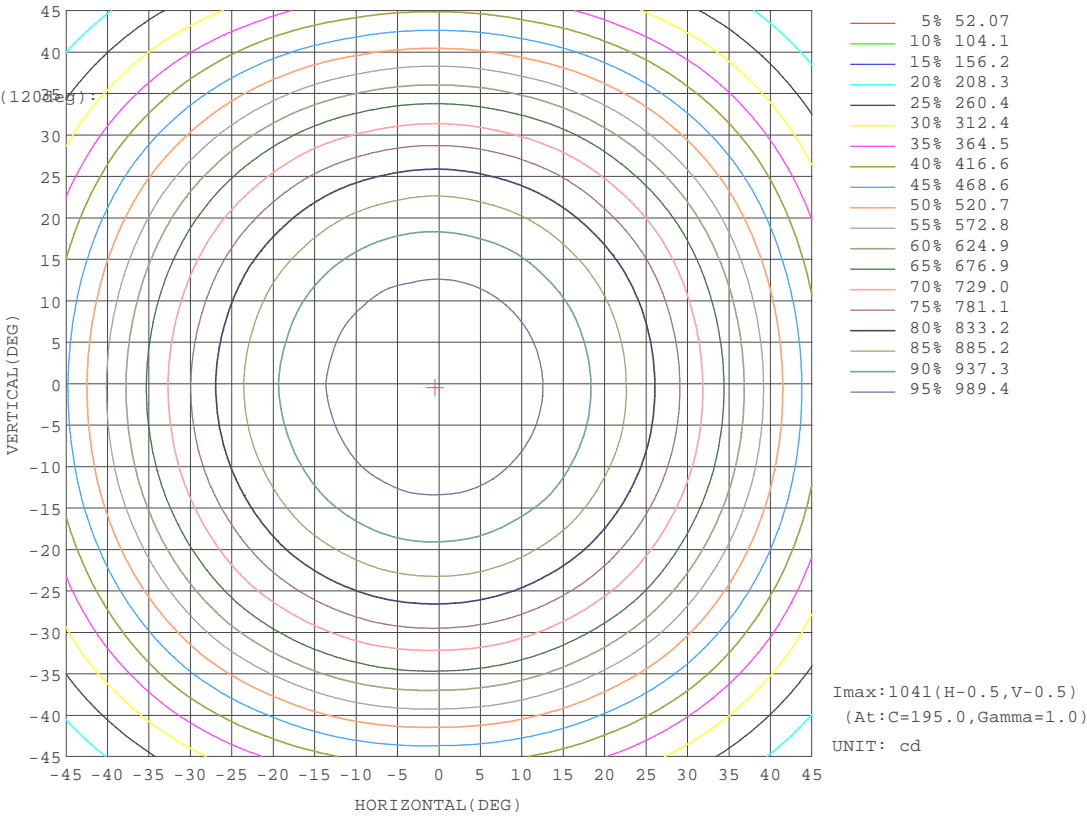
g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:10.627m [K=1.0000]
 Remarks: TRP-240925SHA-01_F172
 T409251

ISOCANDELA DIAGRAM

Test:U:120.2V I:0.1512A P:17.57W PF:0.9677 Lamp Flux:1915.21x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-3000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-3000K.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):
1363.6 lm
%lum = 71.2%
%lamp = 71.2%

Conical surface Flux(120deg):
1731.8 lm
%lum = 90.4%
%lamp = 90.4%

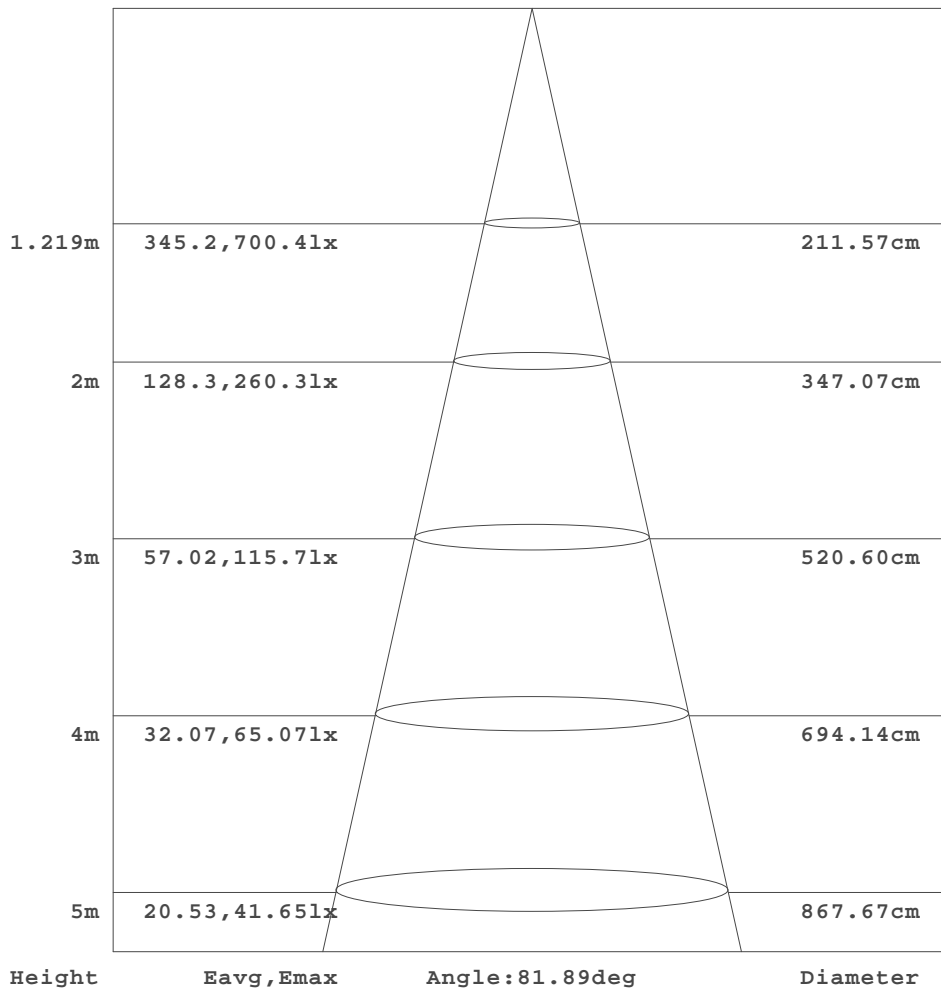


C Range: 0 - 360DEG	g Range: 0 - 180DEG
C Interval: 15.0DEG	g Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Temperature:25.3DEG	Humidity:65.0%
Operators:Aaron	Test Distance:10.627m [K=1.0000]
Test Date:2024-09-30	Remarks: TRP-240925SHA-01_F172
	T409251

AAI Figure

Test:U:120.2V I:0.1512A P:17.57W PF:0.9677 Lamp Flux:1915.21x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-3000K	TYPE:LED	WEIGHT:
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-3000K	DM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:1218 lm



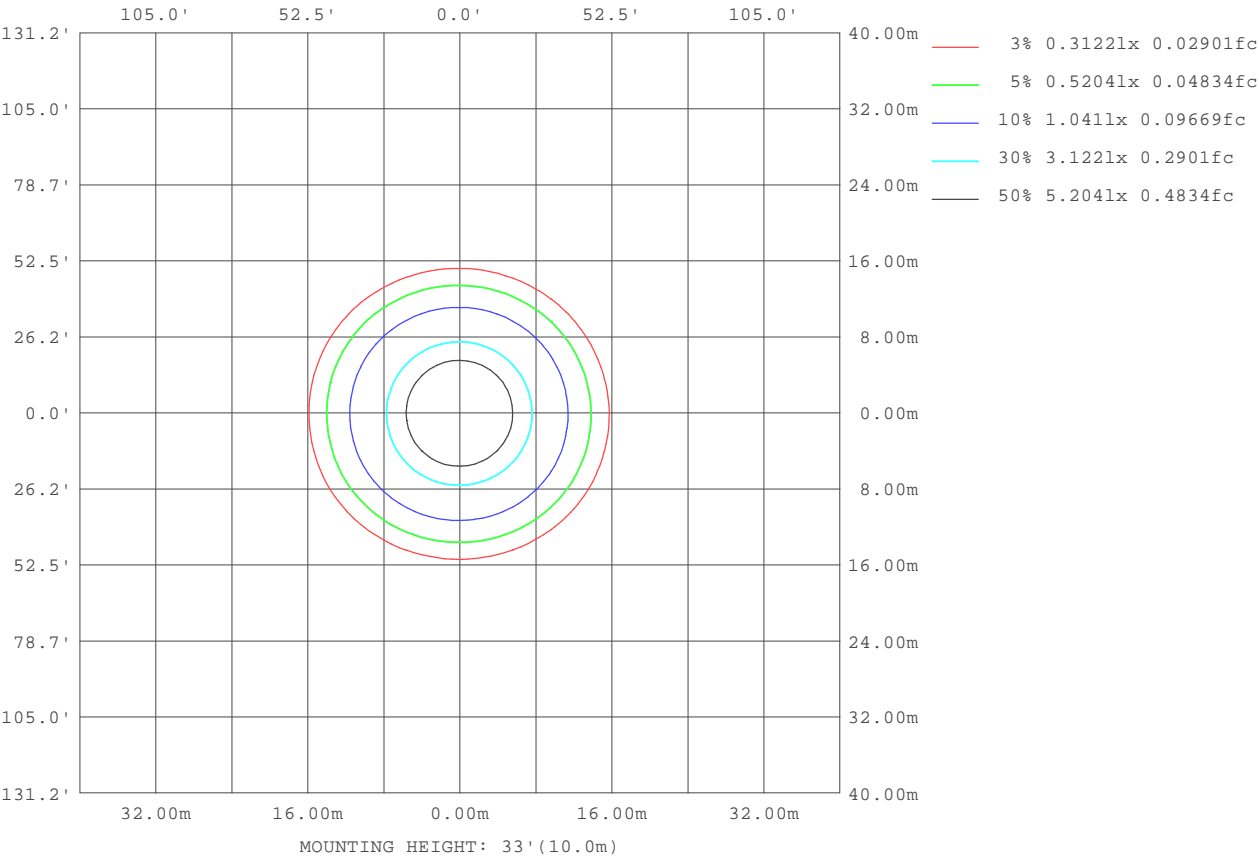
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

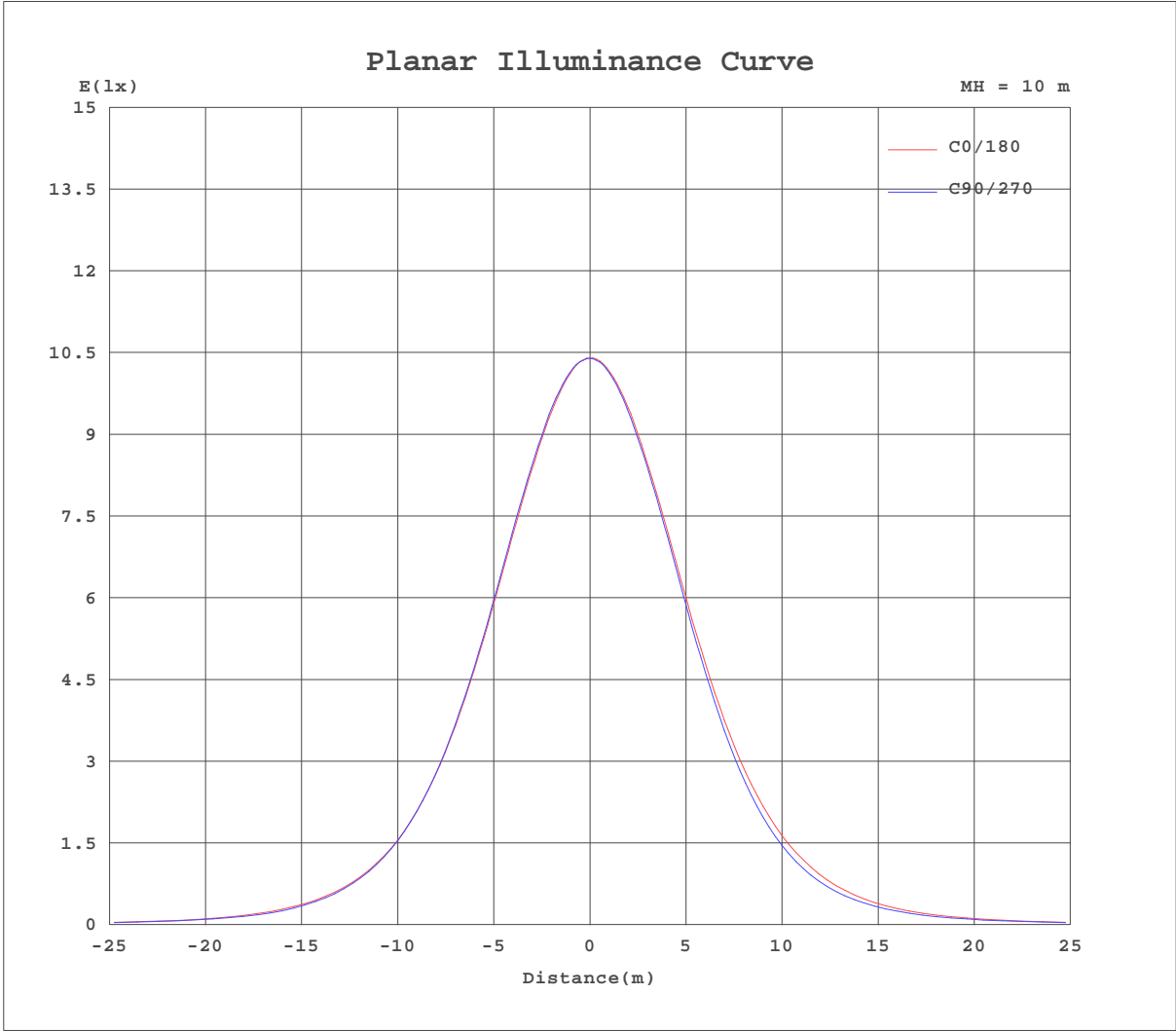
Test:U:120.2V I:0.1512A P:17.57W PF:0.9677 Lamp Flux:1915.21x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-3000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-3000KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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