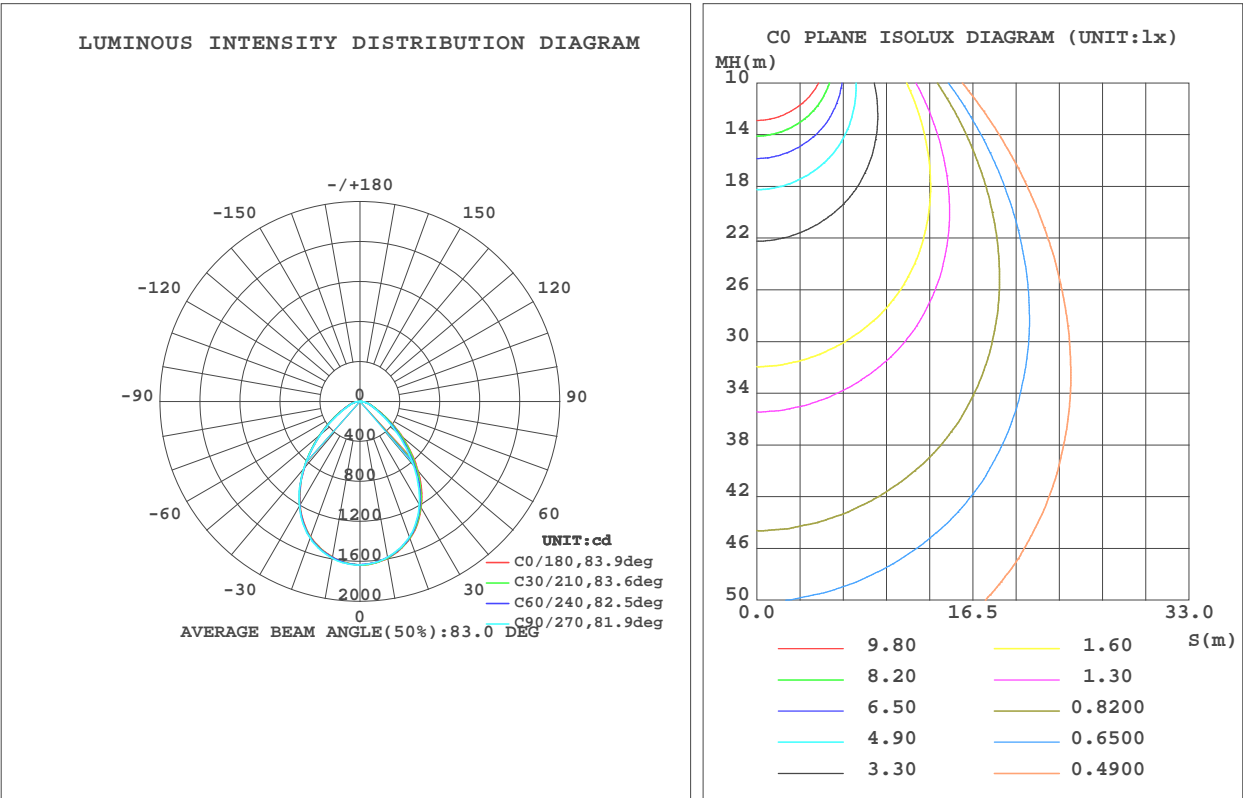


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.1V I:0.2525A P:29.36W PF:0.9832 Lamp Flux:3011.33x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-3000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-3000KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 102.57 lm/W			
MODEL		Imax(cd)	1637	S/MH(C0/180)	1.13
NOMINAL POWER(W)	29.36	LOR(%)	100.0	S/MH(C90/270)	1.11
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3011.3	h UP,DN(C0-180)	0.1,50.4
NOMINAL FLUX(lm)	3011.33	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



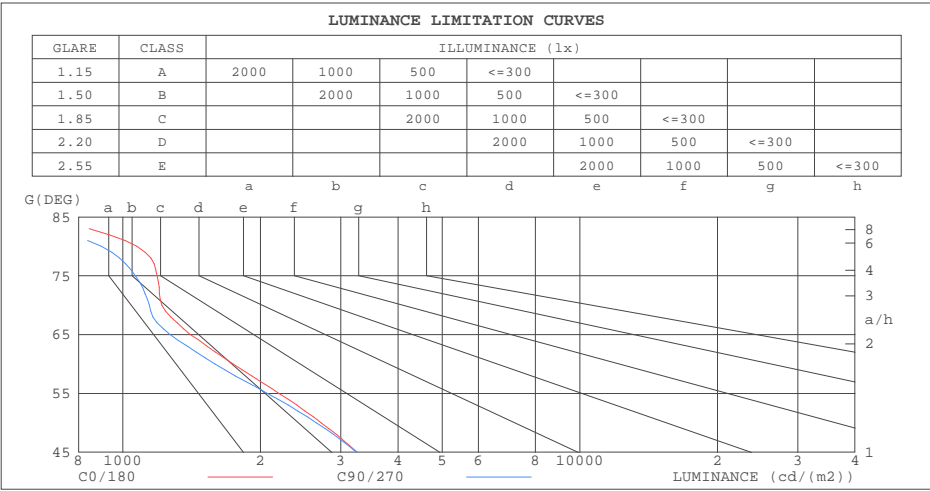
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

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	1580	1588	1593	1594	1593	1588	1583	1582	0- 10	153.7	153.7	5.11
20	1443	1452	1457	1463	1460	1452	1444	1440	10- 20	430.5	584.2	19.4
30	1199	1211	1213	1228	1225	1207	1189	1190	20- 30	616.1	1200	39.9
40	869.1	879.5	871.8	904.6	903.8	870.6	835.1	850.6	30- 40	652.4	1853	61.5
50	524.8	530.7	511.8	548.6	555.8	523.8	480.2	498.4	40- 50	533.3	2386	79.2
60	262.0	254.5	238.6	260.2	269.5	252.8	227.9	242.1	50- 60	334.7	2721	90.4
70	125.0	120.8	117.3	122.5	127.9	120.5	115.9	118.0	60- 70	173.6	2894	96.1
80	55.95	52.22	46.79	53.26	53.42	52.63	48.26	52.32	70- 80	91.95	2986	99.2
90	0.0040	0	0	0	0	0	0	0	80- 90	20.04	3006	99.8
100	0	0	0	0	0	0	0	0	90-100	0.0000	3006	99.8
110	0	0	0	0	0	0	0	0	100-110	0	3006	99.8
120	0.2462	0.3149	0.1912	0.2285	0.3518	0.2465	0.3338	0.3266	110-120	0.0900	3006	99.8
130	0.8195	0.8699	0.7339	0.7346	0.9020	0.8017	0.9196	0.9066	120-130	0.4804	3007	99.9
140	1.486	1.562	1.425	1.389	1.593	1.487	1.630	1.598	130-140	0.8972	3008	99.9
150	2.184	2.271	2.140	2.099	2.278	2.220	2.344	2.314	140-150	1.168	3009	99.9
160	2.789	2.875	2.775	2.740	2.876	2.837	2.949	2.863	150-160	1.167	3010	100
170	3.209	3.294	3.214	3.215	3.283	3.263	3.332	3.252	160-170	0.8611	3011	100
180	3.388	3.430	3.418	3.412	3.400	3.418	3.418	3.375	170-180	0.3181	3011	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	751	382
80	1073	898
75	1189	1065
70	1217	1143
65	1406	1269
60	1745	1590
55	2197	2073
50	2720	2653
45	3259	3245

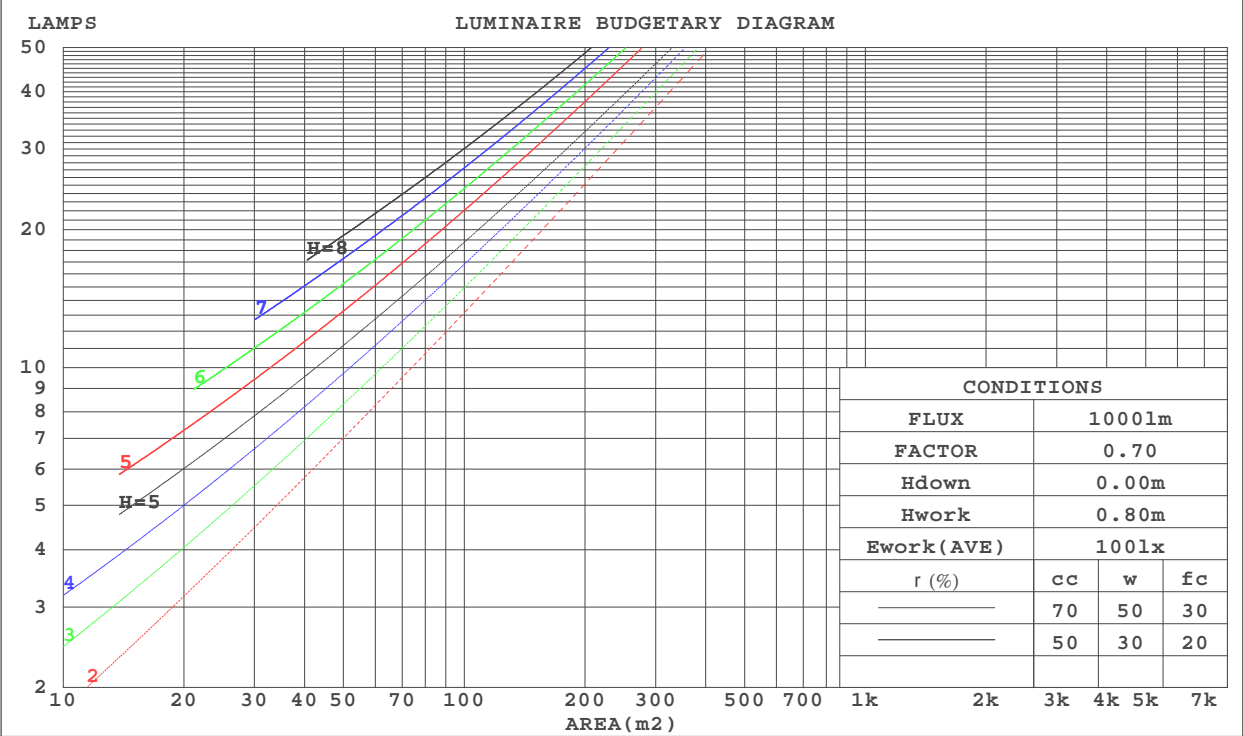
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

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:0.2525A P:29.36W PF:0.9832 Lamp Flux:3011.33x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-3000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-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															



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:0.2525A P:29.36W PF:0.9832 Lamp Flux:3011.33x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-3000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-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	.019	.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
R _{CR}	R _{CR} :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	.136	.121	.104	.093	.084	.060	.054	.049	.019	.017	.016	
2.0	.167	.133	.106	.143	.115	.091	.098	.079	.064	.056	.046	.037	.018	.015	.012	
3.0	.157	.115	.082	.135	.099	.071	.093	.069	.050	.053	.040	.029	.017	.013	.010	
4.0	.149	.101	.065	.128	.088	.057	.088	.061	.040	.051	.036	.024	.016	.012	.008	
5.0	.142	.091	.053	.122	.078	.046	.084	.055	.033	.049	.032	.019	.016	.010	.006	
6.0	.135	.082	.044	.116	.071	.039	.080	.050	.027	.046	.029	.016	.015	.010	.005	
7.0	.128	.075	.038	.110	.065	.033	.076	.046	.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	.011	.013	.008	.003	
10.0	.112	.060	.025	.096	.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: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:0.2525A P:29.36W PF:0.9832 Lamp Flux:3011.33x1 lm										
NAME: F172#Selectfit downlight 6寸HO手板样 H-3000KPE:LED							WEIGHT:			
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-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	14.8	16.2	15.1	16.3	16.5	14.6	15.9	14.9	16.1	16.3
3H	15.4	16.6	15.7	16.8	17.0	15.1	16.3	15.4	16.5	16.7
4H	15.6	16.8	16.0	17.0	17.3	15.3	16.5	15.6	16.7	16.9
6H	15.9	16.9	16.2	17.2	17.5	15.5	16.6	15.8	16.8	17.1
8H	15.9	17.0	16.3	17.2	17.5	15.5	16.5	15.8	16.8	17.1
12H	15.9	16.9	16.3	17.2	17.5	15.5	16.5	15.8	16.8	17.1
4H 2H	15.0	16.2	15.3	16.4	16.6	14.8	15.9	15.1	16.2	16.4
3H	15.7	16.7	16.1	17.0	17.3	15.5	16.4	15.8	16.7	17.0
4H	16.1	17.0	16.5	17.3	17.7	15.8	16.7	16.2	17.0	17.3
6H	16.5	17.3	16.9	17.6	18.0	16.1	16.9	16.5	17.2	17.6
8H	16.6	17.3	17.0	17.7	18.1	16.1	16.9	16.6	17.2	17.6
12H	16.6	17.3	17.1	17.7	18.1	16.1	16.8	16.6	17.2	17.6
8H 4H	16.2	16.9	16.6	17.3	17.7	15.9	16.7	16.3	17.0	17.4
6H	16.7	17.3	17.1	17.7	18.1	16.3	16.9	16.7	17.3	17.7
8H	16.9	17.4	17.3	17.8	18.3	16.4	17.0	16.9	17.4	17.8
12H	17.0	17.4	17.5	17.9	18.4	16.4	16.9	16.9	17.3	17.8
12H 4H	16.2	16.9	16.6	17.2	17.7	15.9	16.6	16.3	17.0	17.4
6H	16.7	17.2	17.2	17.7	18.1	16.3	16.9	16.8	17.3	17.7
8H	16.9	17.4	17.4	17.8	18.3	16.5	16.9	16.9	17.4	17.8
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 / - 1.0					+ 1.4 / - 1.2				

CIE Pub.117 Corrected 3011 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.8)

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:0.2525A P:29.36W PF:0.9832 Lamp Flux:3011.33x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-3000K	TYPE:LED	WEIGHT:
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-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) x 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

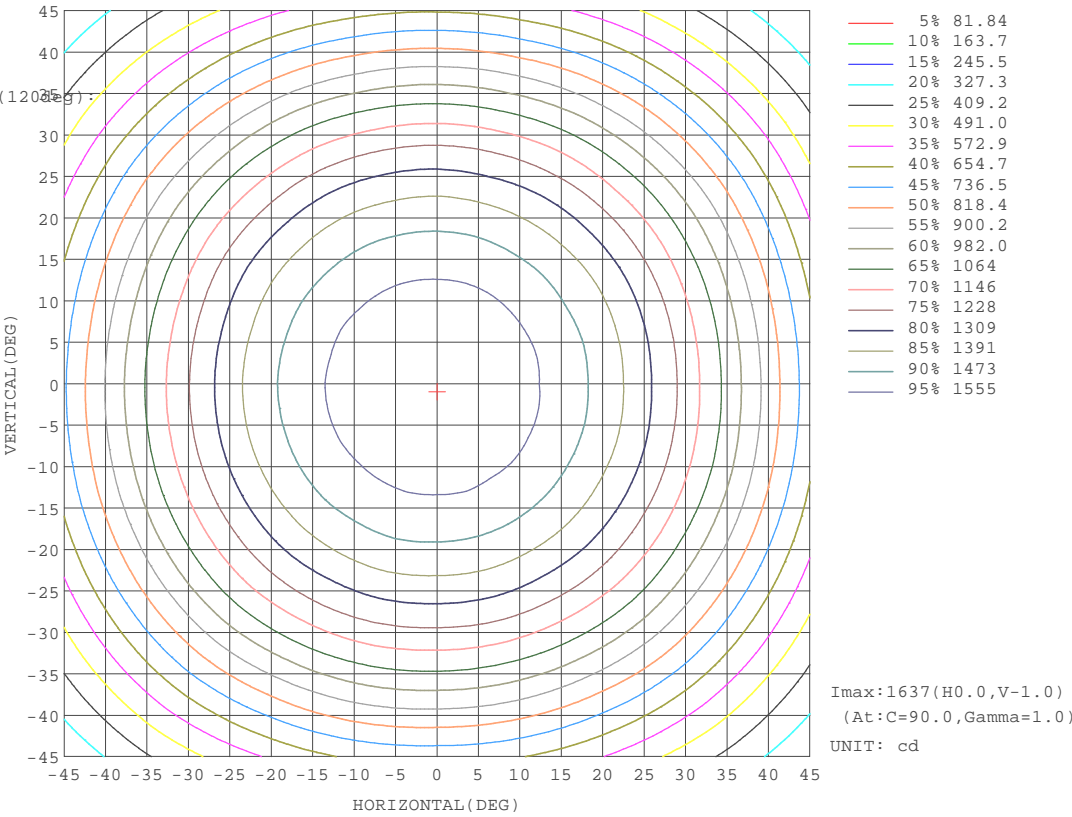
g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.627m [K=1.0000]
Remarks: TRP-240925SHA-01_F172
T409251

ISOCANDELA DIAGRAM

Test:U:120.1V I:0.2525A P:29.36W PF:0.9832 Lamp Flux:3011.33x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-3000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-3000KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):
2141.8 lm
%lum = 71.1%
%lamp = 71.1%

Conical surface Flux(120deg):
2720.8 lm
%lum = 90.4%
%lamp = 90.4%



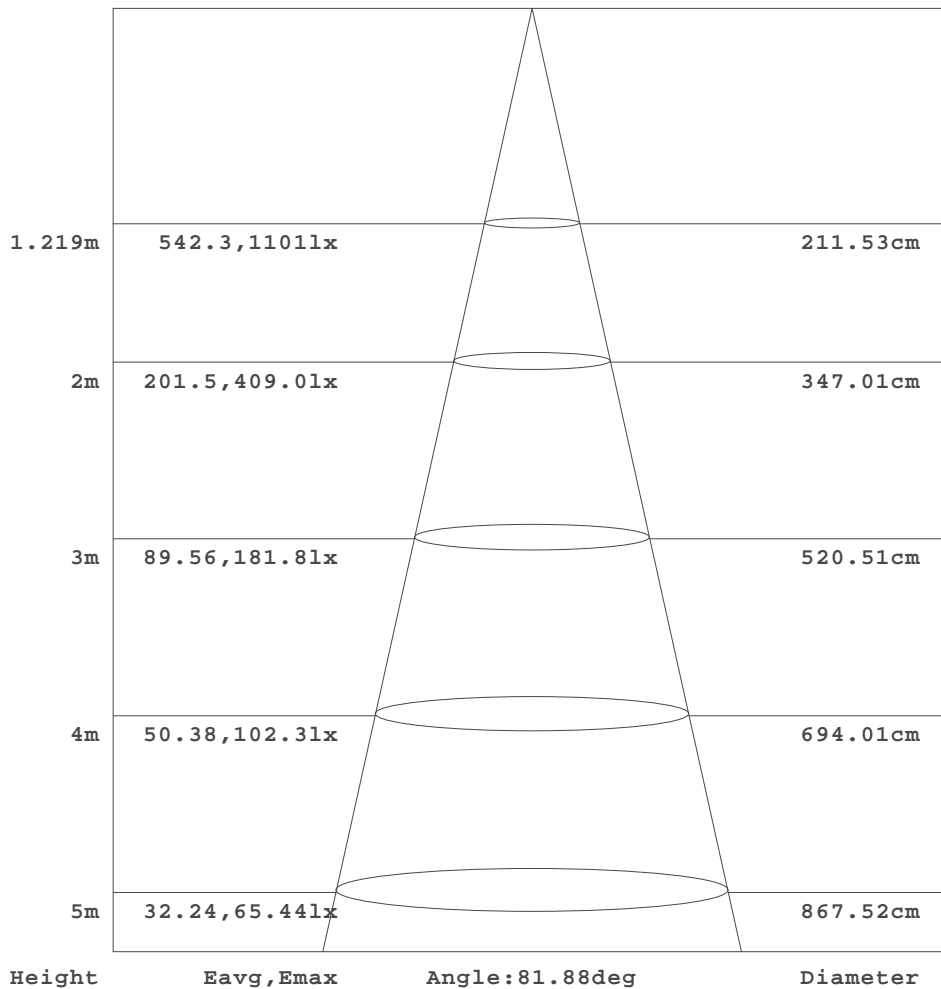
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

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:0.2525A P:29.36W PF:0.9832 Lamp Flux:3011.33x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-3000K	TYPE:LED	WEIGHT:
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-3000K	DM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:1914 lm



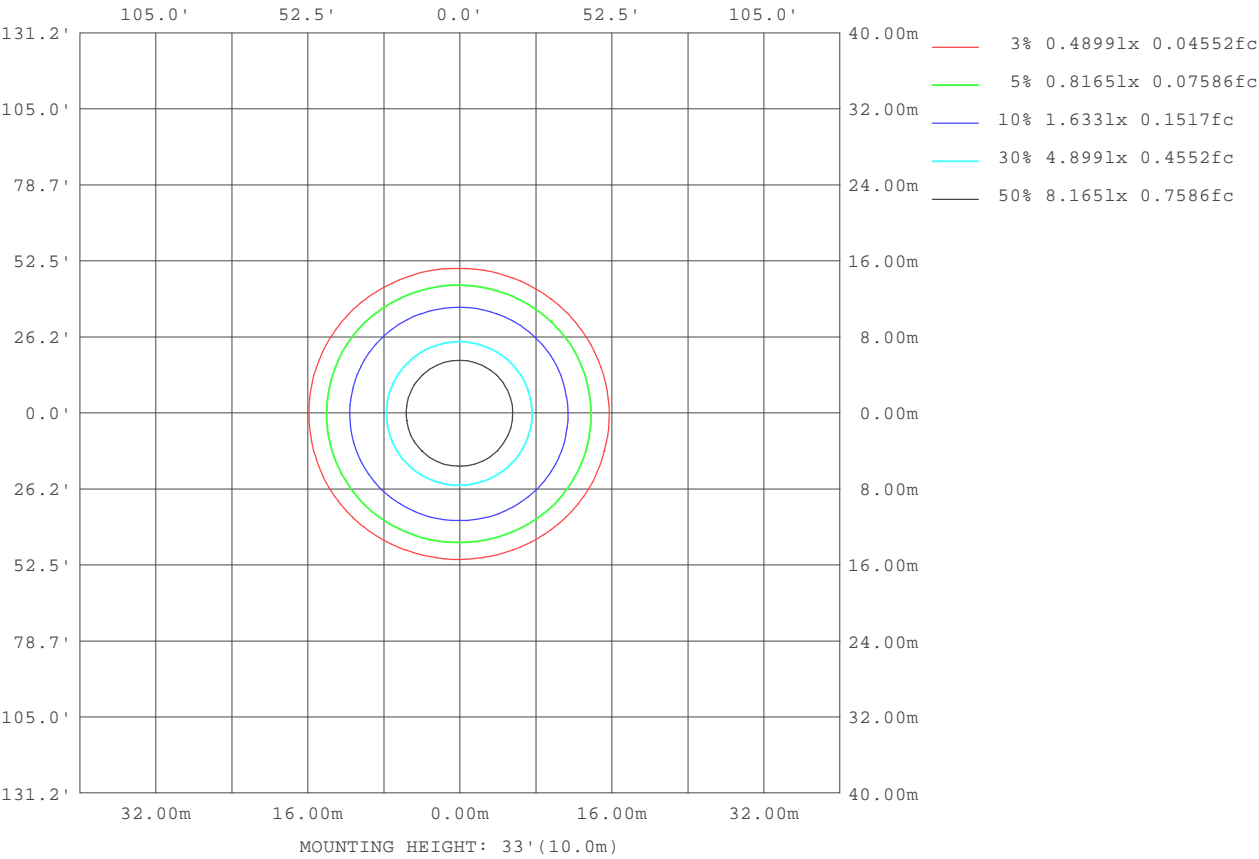
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

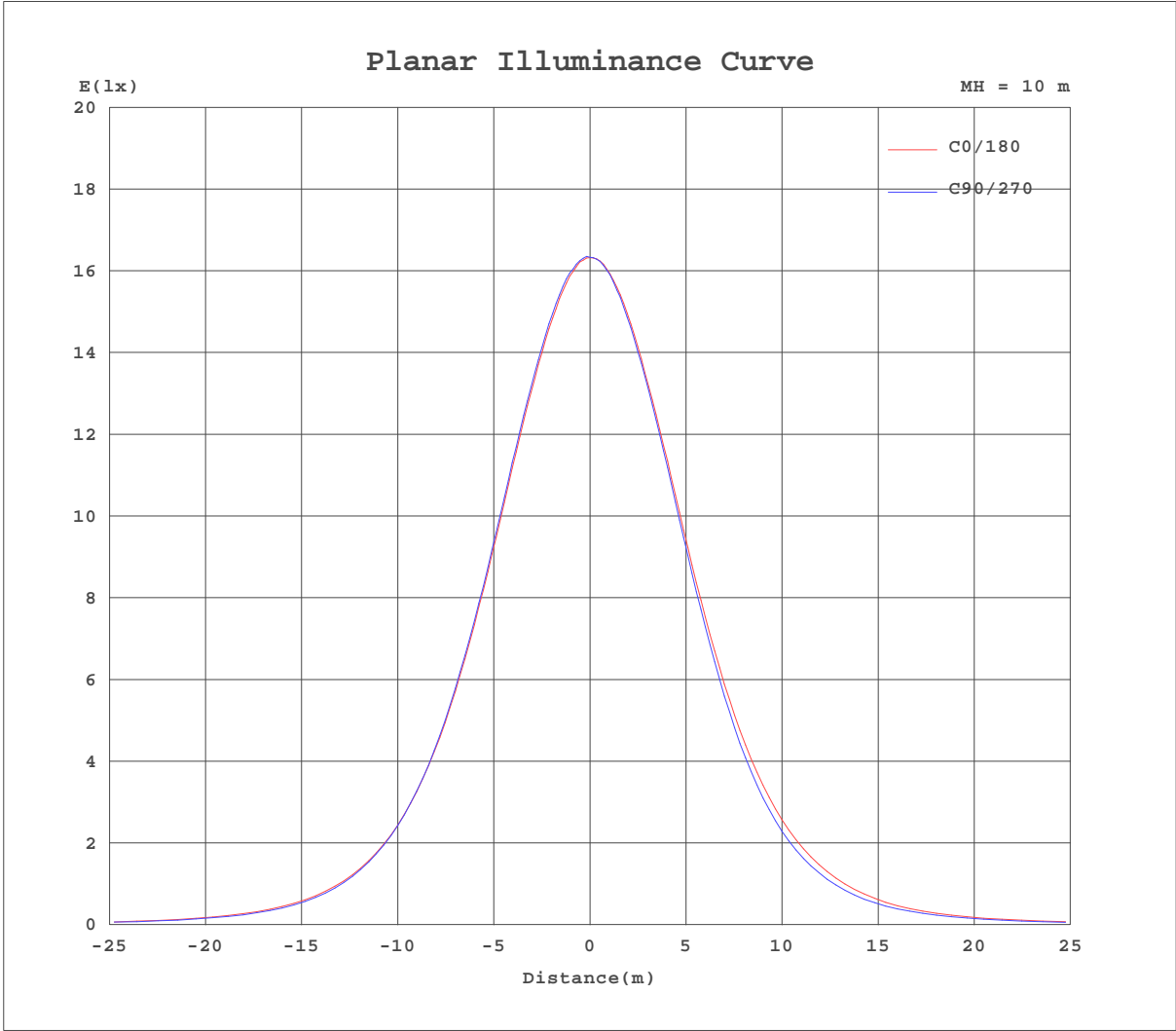
Test:U:120.1V I:0.2525A P:29.36W PF:0.9832 Lamp Flux:3011.33x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-3000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-3000KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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