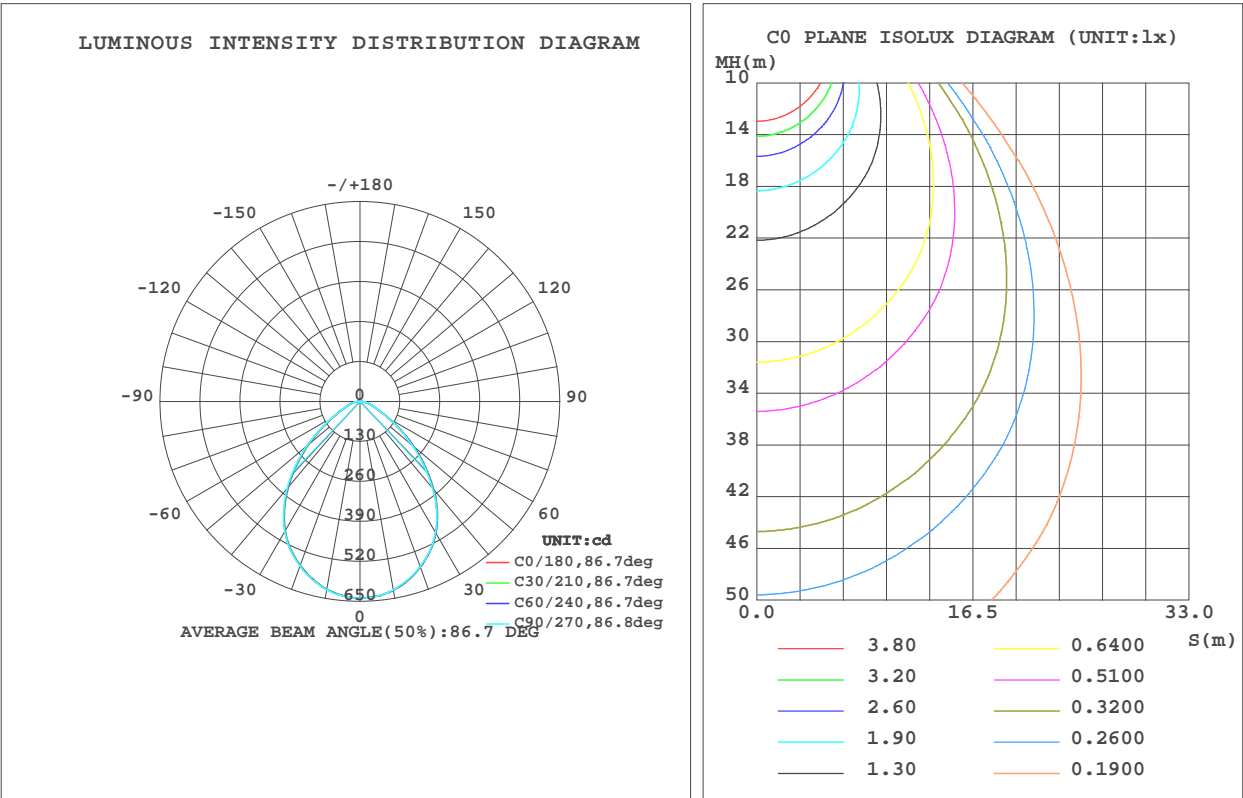


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.3V I:0.0939A P:10.70W PF:0.9485 Lamp Flux:1227.22x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 L-3500KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 L-3500KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 114.69 lm/W			
MODEL		Imax(cd)	639.8	S/MH(C0/180)	1.16
NOMINAL POWER(W)	10.7	LOR(%)	100.0	S/MH(C90/270)	1.15
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1227.2	h UP,DN(C0-180)	0.0,49.9
NOMINAL FLUX(lm)	1227.22	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,50.0
LAMPS INSIDE	1	h up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	h down(%)	99.9	CIBSE SHR MAX	1.25



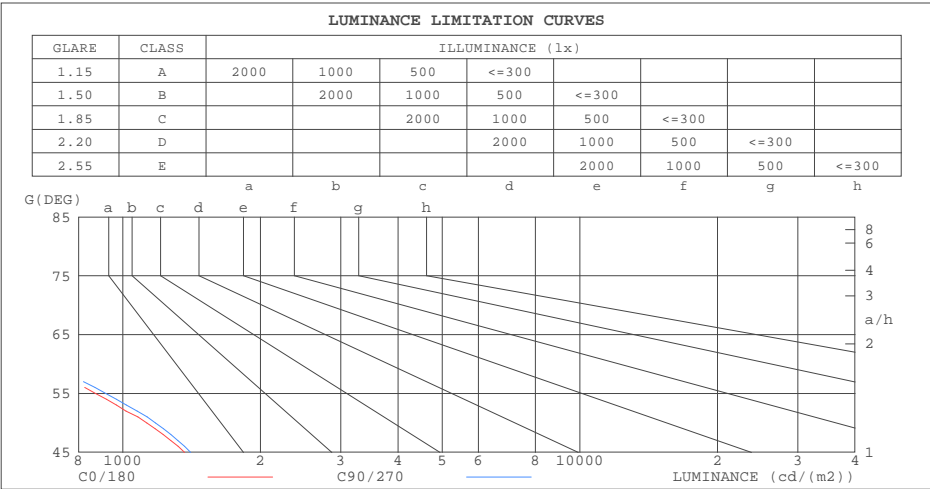
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Aaron
 Test Date:2024-10-11

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	620.0	620.8	621.6	622.2	623.2	622.6	622.2	620.4	0- 10	60.20	60.20	4.91
20	567.8	568.9	569.9	571.7	573.7	573.0	571.9	568.9	10- 20	168.9	229.1	18.7
30	485.6	488.1	488.8	491.9	493.9	493.4	491.6	488.3	20- 30	245.8	475.0	38.7
40	362.3	362.3	368.6	371.9	373.7	372.4	367.2	363.9	30- 40	270.0	745.0	60.7
50	217.6	219.4	227.5	229.6	230.5	230.2	222.0	218.2	40- 50	227.7	972.7	79.3
60	98.65	101.0	102.5	104.8	105.0	104.1	102.6	98.63	50- 60	141.5	1114	90.8
70	45.28	45.13	45.24	45.83	45.79	45.49	45.54	45.12	60- 70	67.51	1182	96.3
80	21.50	21.39	20.19	20.81	21.10	20.91	21.13	21.35	70- 80	35.57	1217	99.2
90	0.0026	0	0	0	0	0	0	0	80- 90	8.858	1226	99.9
100	0	0	0	0	0	0	0	0	90-100	0.0000	1226	99.9
110	0	0	0	0	0	0	0	0	100-110	0	1226	99.9
120	0	0	0	0	0	0	0	0	110-120	0	1226	99.9
130	0	0.0190	0	0.0065	0.0371	0	0.0555	0	120-130	0.0013	1226	99.9
140	0.2466	0.3148	0.2524	0.2960	0.3209	0.2713	0.3517	0.2893	130-140	0.1113	1226	99.9
150	0.5424	0.5923	0.5541	0.5854	0.6111	0.5613	0.6292	0.5668	140-150	0.2720	1227	99.9
160	0.7830	0.8391	0.7644	0.8260	0.8391	0.7891	0.8635	0.8133	150-160	0.3211	1227	100
170	0.9496	0.9879	0.9497	0.9822	0.9822	0.9437	0.9800	0.9488	160-170	0.2530	1227	100
180	0.9808	0.9932	0.9929	0.9983	0.9870	0.9932	0.9929	0.9983	170-180	0.0932	1227	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	322	240
80	412	388
75	440	429
70	441	441
65	510	516
60	657	683
55	872	918
50	1128	1180
45	1365	1407

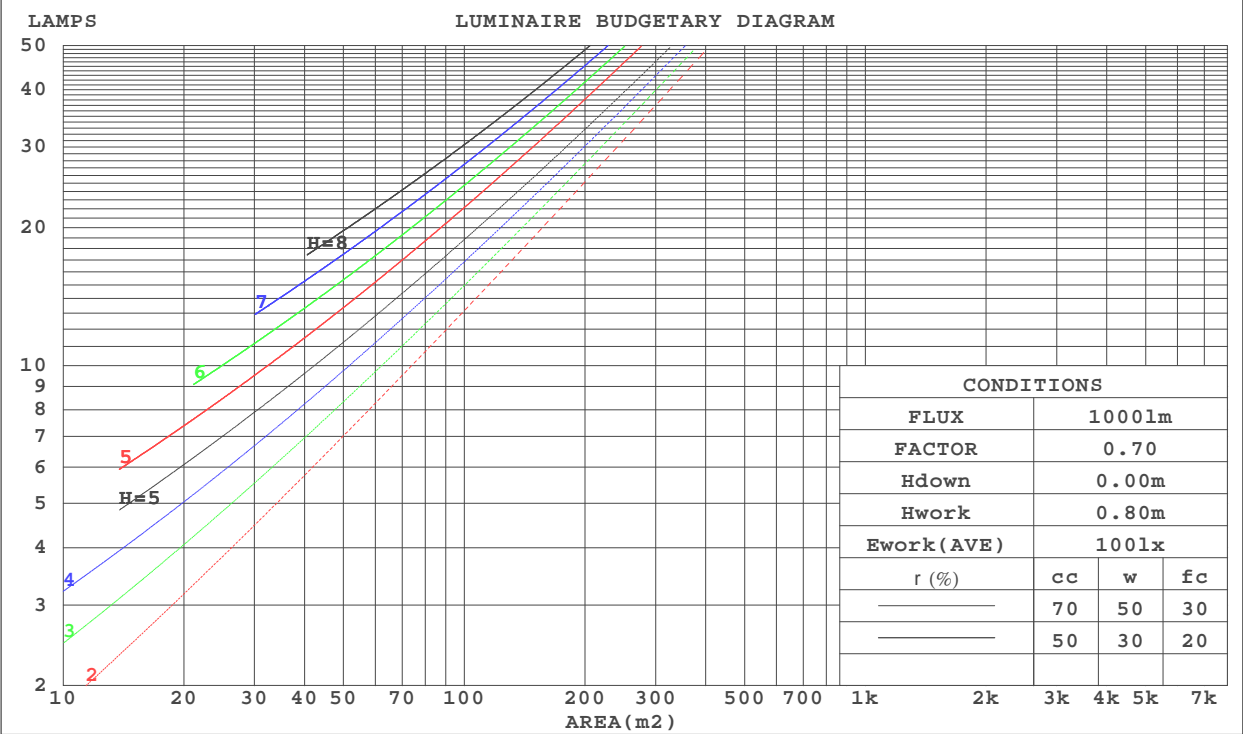
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-10-11

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:120.3V I:0.0939A P:10.70W PF:0.9485 Lamp Flux:1227.22x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 L-3500KTYPE:LED		WEIGHT:
SPEC.:F172#Selectfit downlight 8寸手板样 L-3500KDIM.:		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:2024-10-11

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:120.3V I:0.0939A P:10.70W PF:0.9485 Lamp Flux:1227.22x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 L-3500KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 L-3500KDIM.:	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	.142	.045	.243	.138	.044	.229	.132	.042	.218	.125	.040	.207	.120	.039	
2.0	.240	.132	.040	.234	.129	.040	.223	.124	.038	.212	.119	.037	.203	.115	.036	
3.0	.227	.121	.036	.222	.119	.036	.212	.115	.035	.203	.111	.034	.194	.107	.033	
4.0	.213	.111	.033	.209	.109	.032	.200	.106	.032	.192	.103	.031	.184	.100	.031	
5.0	.200	.102	.030	.196	.101	.029	.189	.098	.029	.181	.096	.028	.175	.093	.028	
6.0	.188	.094	.027	.185	.093	.027	.178	.091	.027	.172	.089	.026	.166	.087	.026	
7.0	.177	.088	.025	.174	.087	.025	.168	.085	.024	.162	.083	.024	.157	.082	.024	
8.0	.167	.082	.023	.165	.081	.023	.159	.079	.023	.154	.078	.022	.149	.077	.022	
9.0	.158	.077	.021	.156	.076	.021	.151	.075	.021	.146	.073	.021	.142	.072	.021	
10.0	.150	.072	.020	.148	.071	.020	.143	.070	.020	.139	.069	.020	.135	.068	.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	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.177	.157	.140	.151	.135	.120	.103	.093	.083	.060	.054	.048	.019	.017	.016	
2.0	.166	.133	.105	.142	.114	.091	.097	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.157	.115	.081	.134	.099	.070	.092	.069	.049	.053	.040	.029	.017	.013	.010	
4.0	.149	.101	.064	.128	.087	.056	.088	.061	.039	.051	.036	.023	.016	.012	.008	
5.0	.141	.090	.052	.121	.078	.046	.084	.054	.032	.048	.032	.019	.016	.010	.006	
6.0	.134	.081	.043	.116	.071	.038	.080	.049	.027	.046	.029	.016	.015	.009	.005	
7.0	.128	.074	.037	.110	.064	.032	.076	.045	.023	.044	.027	.014	.014	.009	.004	
8.0	.122	.069	.032	.105	.059	.028	.073	.042	.020	.042	.025	.012	.014	.008	.004	
9.0	.117	.064	.028	.100	.055	.024	.070	.039	.017	.041	.023	.010	.013	.008	.003	
10.0	.111	.059	.025	.096	.051	.021	.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:2024-10-11

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:120.3V I:0.0939A P:10.70W PF:0.9485 Lamp Flux:1227.22x1 lm										
NAME: F172#Selectfit downlight 8寸手板样 L-3500KTYPE:LED								WEIGHT:		
SPEC.:F172#Selectfit downlight 8寸手板样 L-3500KDIM.:								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	11.6	12.9	11.9	13.1	13.3	11.8	13.1	12.0	13.3	13.5
3H	12.0	13.2	12.3	13.5	13.7	12.1	13.4	12.4	13.6	13.8
4H	12.2	13.4	12.5	13.6	13.9	12.4	13.5	12.7	13.7	14.0
6H	12.5	13.5	12.8	13.8	14.1	12.5	13.6	12.8	13.9	14.1
8H	12.5	13.5	12.8	13.8	14.1	12.6	13.6	12.9	13.9	14.1
12H	12.5	13.5	12.9	13.8	14.1	12.6	13.6	12.9	13.8	14.1
4H 2H	11.8	12.9	12.1	13.1	13.4	11.9	13.0	12.2	13.3	13.5
3H	12.3	13.3	12.7	13.6	13.9	12.4	13.4	12.8	13.7	14.0
4H	12.7	13.6	13.0	13.9	14.2	12.8	13.7	13.1	14.0	14.3
6H	13.0	13.8	13.4	14.1	14.5	13.0	13.8	13.4	14.2	14.5
8H	13.1	13.9	13.5	14.2	14.6	13.1	13.9	13.5	14.2	14.6
12H	13.2	13.9	13.6	14.2	14.6	13.2	13.8	13.6	14.2	14.6
8H 4H	12.8	13.5	13.2	13.9	14.3	12.8	13.6	13.3	13.9	14.3
6H	13.2	13.8	13.7	14.2	14.7	13.2	13.9	13.7	14.3	14.7
8H	13.4	14.0	13.9	14.4	14.8	13.4	13.9	13.9	14.4	14.8
12H	13.5	14.0	14.0	14.4	14.9	13.5	13.9	13.9	14.4	14.8
12H 4H	12.8	13.4	13.2	13.8	14.2	12.8	13.5	13.3	13.9	14.3
6H	13.3	13.8	13.7	14.2	14.7	13.3	13.8	13.7	14.2	14.7
8H	13.5	13.9	13.9	14.4	14.8	13.4	13.9	13.9	14.3	14.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.8					+ 0.6 / - 0.8				
1.5H	+ 0.3 / - 0.3					+ 0.3 / - 0.4				
2.0H	+ 1.4 / - 1.3					+ 1.4 / - 1.4				

CIE Pub.117 Corrected 1227 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.7)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-10-11

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:120.3V I:0.0939A P:10.70W PF:0.9485 Lamp Flux:1227.22x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 L-3500KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 L-3500KDIM.:	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	51	66	57	51	65	56	50	45
0.80	77	67	61	76	67	61	74	66	60	54
1.00	85	76	70	83	75	69	81	76	69	63
1.25	91	83	77	90	82	76	87	81	76	70
1.50	95	87	82	94	87	81	91	85	80	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	95	100	97	93	86
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	107	104	109	105	103	104	102	99	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:2024-10-11

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:120.3V I:0.0939A P:10.70W PF:0.9485 Lamp Flux:1227.22x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 L-3500KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 L-3500KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

867.77 lm

%lum = 70.7%

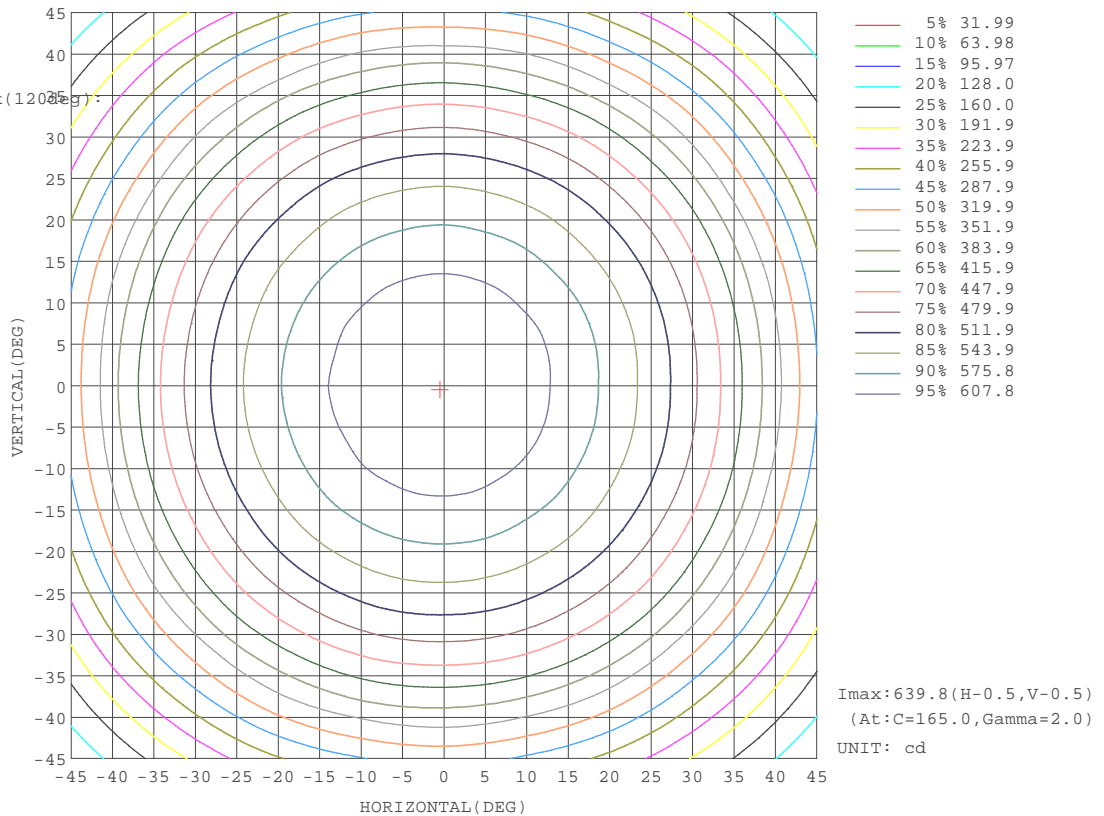
%lamp = 70.7%

Conical surface Flux(120deg):

1114.2 lm

%lum = 90.8%

%lamp = 90.8%



C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.3DEG

Operators: Aaron

Test Date: 2024-10-11

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]

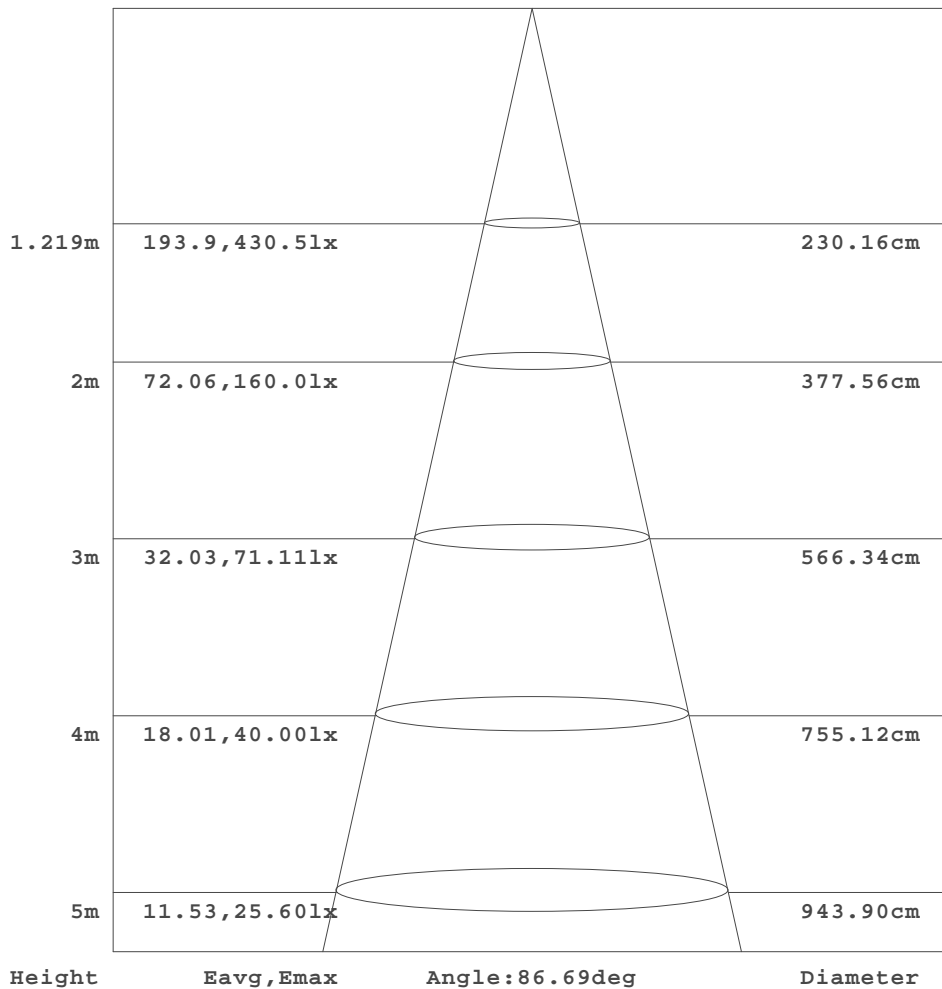
Remarks: TRP-240925SHA-01_F172

T409251

AAI Figure

Test:U:120.3V I:0.0939A P:10.70W PF:0.9485 Lamp Flux:1227.22x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 L-3500KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 L-3500KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:844.4 lm



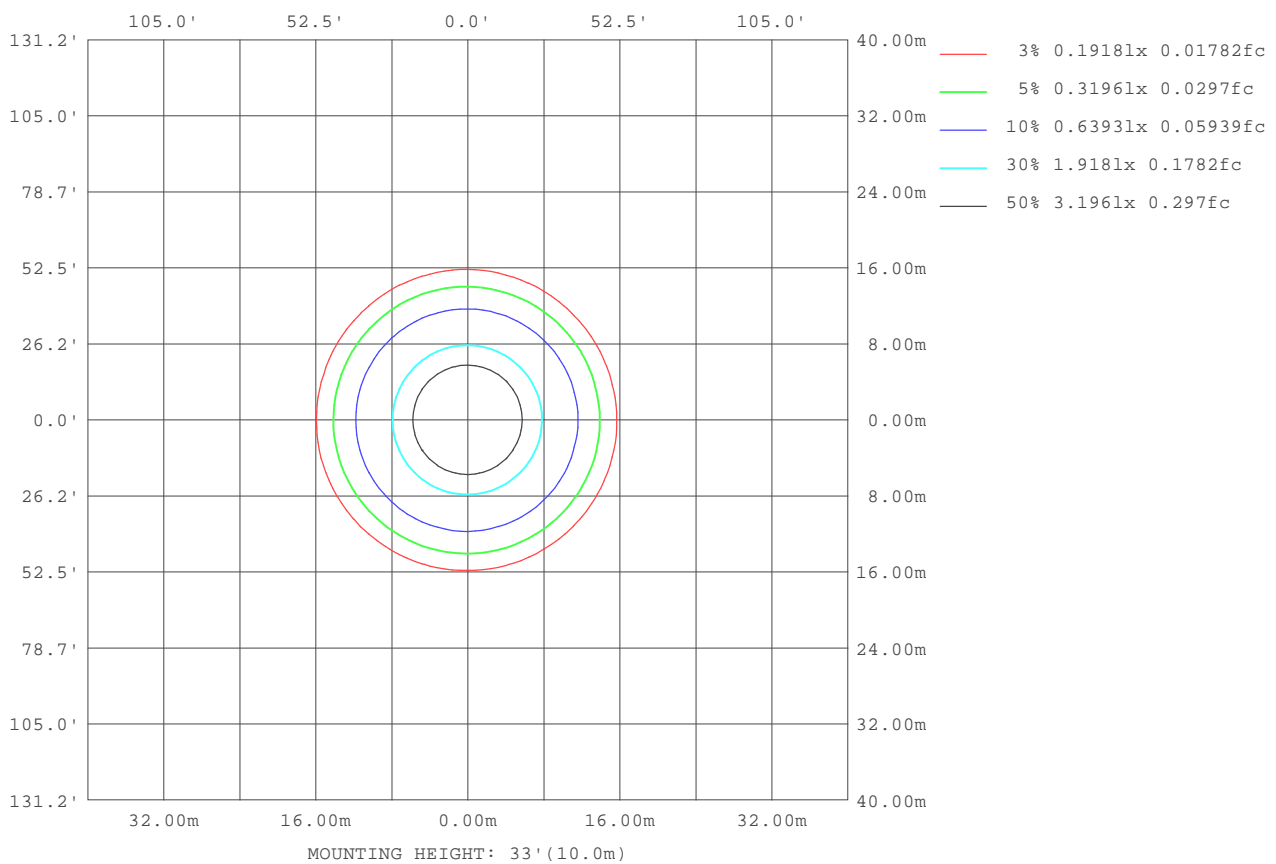
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Aaron
 Test Date: 2024-10-11

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

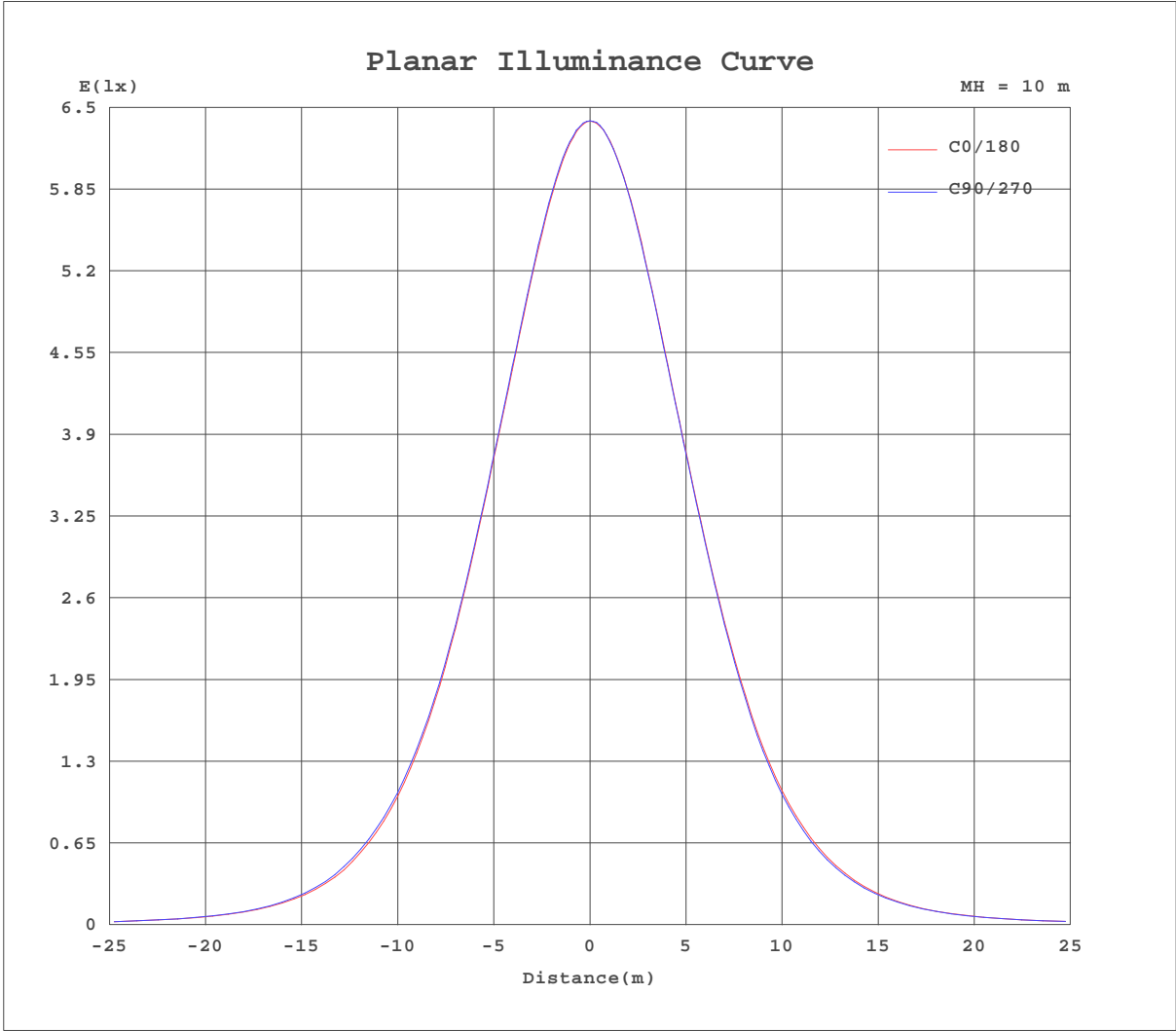
Test:U:120.3V I:0.0939A P:10.70W PF:0.9485 Lamp Flux:1227.22x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 L-3500KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 L-3500KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-10-11

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: 2024-10-11

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