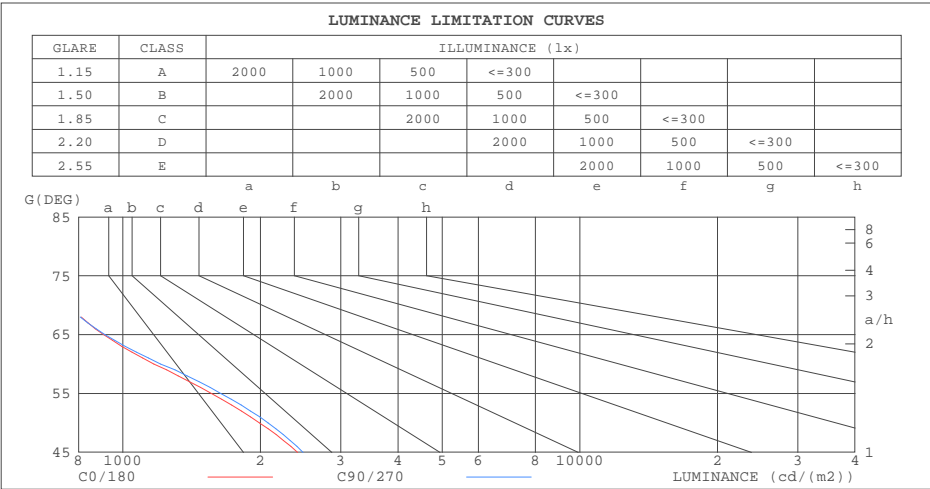


ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum
10	1093	1095	1096	1097	1101	1098	1098	1095	0- 10	106.2	106.2	4.89
20	1003	1003	1006	1008	1013	1010	1008	1004	10- 20	298.0	404.1	18.6
30	859.3	859.7	862.6	867.1	872.0	870.4	867.5	860.8	20- 30	433.6	837.8	38.6
40	638.8	642.5	649.7	659.4	662.4	657.2	650.5	640.9	30- 40	476.1	1314	60.5
50	384.2	390.7	401.2	410.4	411.5	406.5	396.5	384.8	40- 50	403.4	1717	79.1
60	175.4	178.8	181.7	186.1	186.6	187.1	182.4	174.9	50- 60	251.4	1969	90.7
70	80.52	79.99	80.19	81.40	81.31	80.89	80.88	80.04	60- 70	119.8	2089	96.2
80	38.53	38.09	35.98	37.11	37.59	37.53	37.74	38.02	70- 80	63.26	2152	99.1
90	0.0046	0	0	0	0	0	0	0	80- 90	16.05	2168	99.9
100	0	0	0	0	0	0	0	0	90-100	0.0000	2168	99.9
110	0	0	0	0	0	0	0	0	100-110	0	2168	99.9
120	0.0246	0.0681	0	0.0495	0.0927	0.0493	0.0929	0.0548	110-120	0.0053	2168	99.9
130	0.4433	0.4812	0.4193	0.4570	0.5120	0.4559	0.5370	0.4811	120-130	0.2185	2168	99.9
140	0.9371	0.9861	0.9376	0.9505	1.012	0.9731	1.055	0.9988	130-140	0.5525	2169	99.9
150	1.430	1.498	1.425	1.469	1.512	1.473	1.555	1.499	140-150	0.7690	2169	99.9
160	1.837	1.911	1.851	1.894	1.931	1.879	1.962	1.906	150-160	0.7812	2170	100
170	2.121	2.200	2.147	2.196	2.202	2.157	2.228	2.159	160-170	0.5768	2171	100
180	2.245	2.243	2.252	2.252	2.232	2.243	2.252	2.252	170-180	0.2113	2171	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	589	441
80	739	690
75	784	762
70	785	781
65	908	914
60	1169	1211
55	1562	1638
50	1992	2079
45	2413	2480

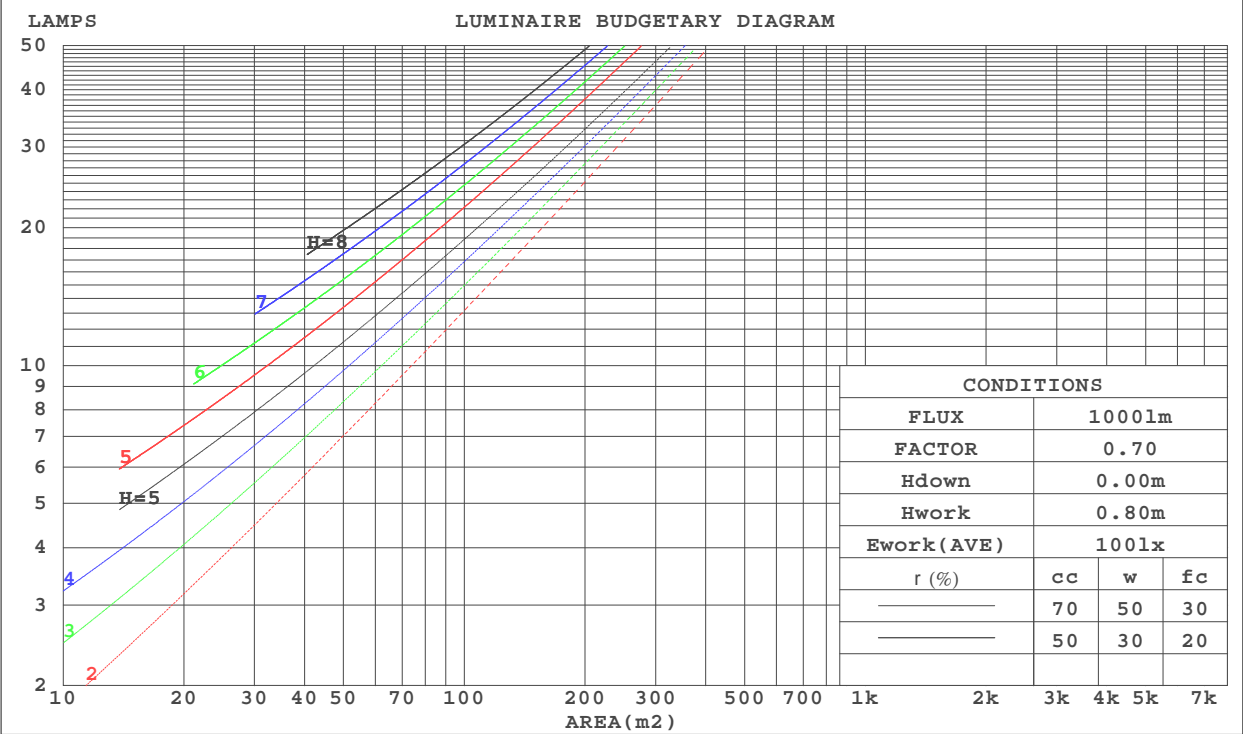
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

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:120.3V I:0.1655A P:19.30W PF:0.9681 Lamp Flux:2170.94x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 H-4000KTYPE:LED		WEIGHT:
SPEC.:F172#Selectfit downlight 8寸手板样 H-4000KDIM.:		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:120.3V I:0.1655A P:19.30W PF:0.9681 Lamp Flux:2170.94x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 H-4000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 H-4000KDIM.:	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	.250	.142	.045	.243	.139	.044	.230	.132	.042	.218	.126	.040	.207	.120	.039	
2.0	.240	.132	.040	.234	.129	.040	.223	.124	.039	.213	.119	.037	.203	.115	.036	
3.0	.227	.121	.036	.222	.119	.036	.212	.115	.035	.203	.111	.034	.194	.108	.033	
4.0	.213	.111	.033	.209	.109	.032	.200	.106	.032	.192	.103	.031	.184	.100	.031	
5.0	.201	.102	.030	.196	.101	.029	.189	.098	.029	.182	.096	.028	.175	.093	.028	
6.0	.189	.095	.027	.185	.093	.027	.178	.091	.027	.172	.089	.026	.166	.087	.026	
7.0	.178	.088	.025	.174	.087	.025	.168	.085	.024	.162	.083	.024	.157	.082	.024	
8.0	.168	.082	.023	.165	.081	.023	.159	.080	.023	.154	.078	.023	.149	.077	.022	
9.0	.159	.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	.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	.177	.158	.140	.152	.135	.121	.104	.093	.083	.060	.054	.049	.019	.017	.016	
2.0	.166	.133	.105	.143	.115	.091	.098	.079	.064	.056	.046	.037	.018	.015	.012	
3.0	.157	.115	.081	.135	.099	.071	.093	.069	.050	.053	.040	.029	.017	.013	.010	
4.0	.149	.101	.065	.128	.088	.056	.088	.061	.040	.051	.036	.023	.016	.012	.008	
5.0	.142	.091	.053	.122	.078	.046	.084	.055	.032	.049	.032	.019	.016	.010	.006	
6.0	.135	.082	.044	.116	.071	.038	.080	.050	.027	.046	.029	.016	.015	.010	.005	
7.0	.129	.075	.037	.111	.065	.032	.076	.045	.023	.044	.027	.014	.014	.009	.005	
8.0	.123	.069	.032	.106	.060	.028	.073	.042	.020	.042	.025	.012	.014	.008	.004	
9.0	.117	.064	.028	.101	.056	.025	.070	.039	.017	.041	.023	.010	.013	.008	.003	
10.0	.112	.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: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:120.3V I:0.1655A P:19.30W PF:0.9681 Lamp Flux:2170.94x1 lm										
NAME: F172#Selectfit downlight 8寸手板样 H-4000KTYPE:LED								WEIGHT:		
SPEC.:F172#Selectfit downlight 8寸手板样 H-4000KDIM.:								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	13.6	14.9	13.9	15.1	15.3	13.8	15.1	14.0	15.3	15.5
3H	14.0	15.2	14.3	15.5	15.7	14.1	15.3	14.4	15.6	15.8
4H	14.2	15.4	14.5	15.6	15.9	14.3	15.5	14.6	15.7	16.0
6H	14.5	15.5	14.8	15.8	16.1	14.5	15.6	14.8	15.8	16.1
8H	14.5	15.5	14.8	15.8	16.1	14.6	15.6	14.9	15.9	16.1
12H	14.5	15.5	14.9	15.8	16.1	14.6	15.6	14.9	15.8	16.1
4H 2H	13.8	14.9	14.1	15.1	15.4	13.9	15.0	14.2	15.3	15.5
3H	14.3	15.3	14.7	15.6	15.9	14.4	15.4	14.8	15.7	16.0
4H	14.7	15.6	15.0	15.9	16.2	14.7	15.6	15.1	16.0	16.3
6H	15.0	15.8	15.4	16.2	16.5	15.0	15.8	15.4	16.2	16.5
8H	15.1	15.9	15.5	16.2	16.6	15.1	15.9	15.5	16.2	16.6
12H	15.2	15.9	15.6	16.3	16.7	15.2	15.8	15.6	16.2	16.6
8H 4H	14.8	15.5	15.2	15.9	16.3	14.8	15.6	15.2	15.9	16.3
6H	15.2	15.8	15.7	16.2	16.7	15.2	15.8	15.7	16.3	16.7
8H	15.4	16.0	15.9	16.4	16.8	15.4	15.9	15.9	16.4	16.8
12H	15.6	16.0	16.0	16.5	16.9	15.5	15.9	15.9	16.4	16.9
12H 4H	14.8	15.4	15.2	15.8	16.2	14.8	15.5	15.3	15.9	16.3
6H	15.3	15.8	15.7	16.2	16.7	15.3	15.8	15.7	16.2	16.7
8H	15.5	15.9	16.0	16.4	16.9	15.4	15.9	15.9	16.4	16.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.7					+ 0.6 / - 0.7				
1.5H	+ 0.3 / - 0.3					+ 0.3 / - 0.3				
2.0H	+ 1.4 / - 1.3					+ 1.5 / - 1.4				

CIE Pub.117 Corrected 2171 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.7)

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:120.3V I:0.1655A P:19.30W PF:0.9681 Lamp Flux:2170.94x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 H-4000K	TYPE:LED	WEIGHT:
SPEC.:F172#Selectfit downlight 8寸手板样 H-4000K	DIM.:	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	56	51	65	56	50	45
0.80	77	67	61	76	66	61	74	66	60	54
1.00	84	75	69	83	75	69	81	76	69	63
1.25	91	82	77	90	82	76	87	80	75	69
1.50	95	87	82	94	86	81	91	85	80	74
2.00	101	94	89	99	93	88	96	91	87	80
2.50	104	97	93	102	96	92	98	94	90	83
3.00	106	101	96	104	99	95	100	96	93	86
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	107	104	109	105	102	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:2024-09-30

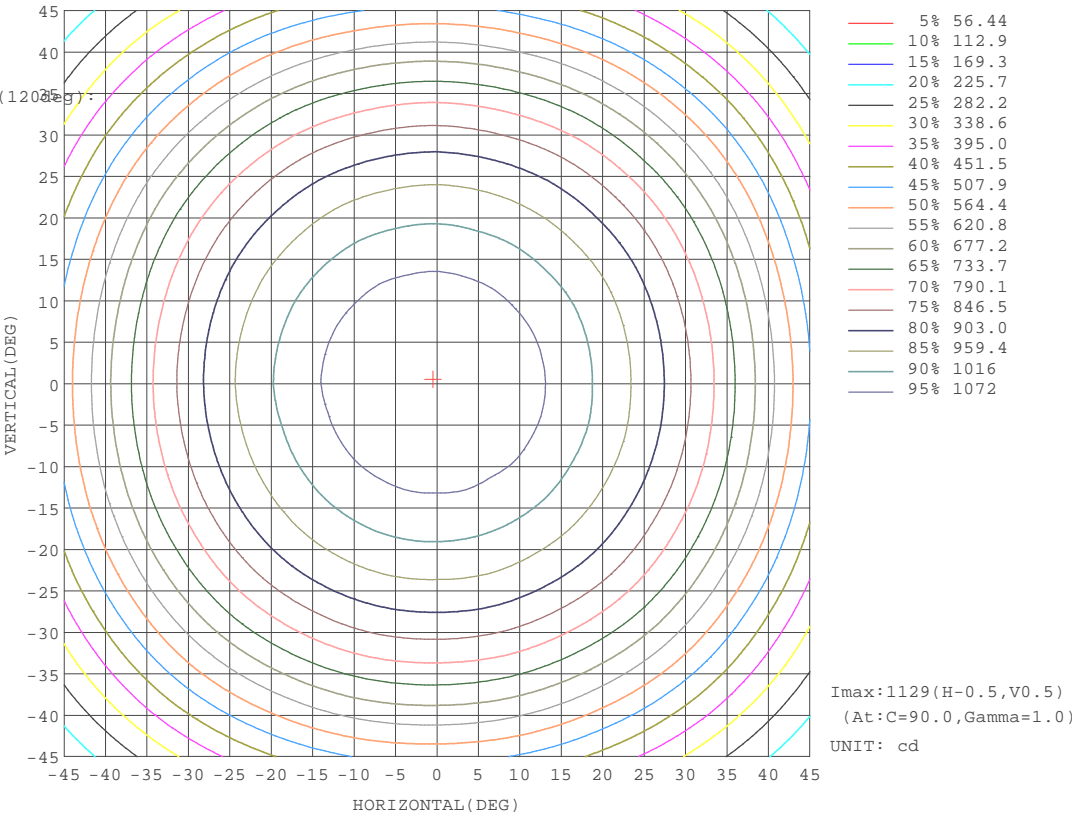
g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:10.627m [K=1.0000]
 Remarks: TRP-240925SHA-01_F172
 T409251

ISOCANDELA DIAGRAM

Test:U:120.3V I:0.1655A P:19.30W PF:0.9681 Lamp Flux:2170.94x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 H-4000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 H-4000KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):
1531.2 lm
%lum = 70.5%
%lamp = 70.5%

Conical surface Flux(120deg):
1968.7 lm
%lum = 90.7%
%lamp = 90.7%



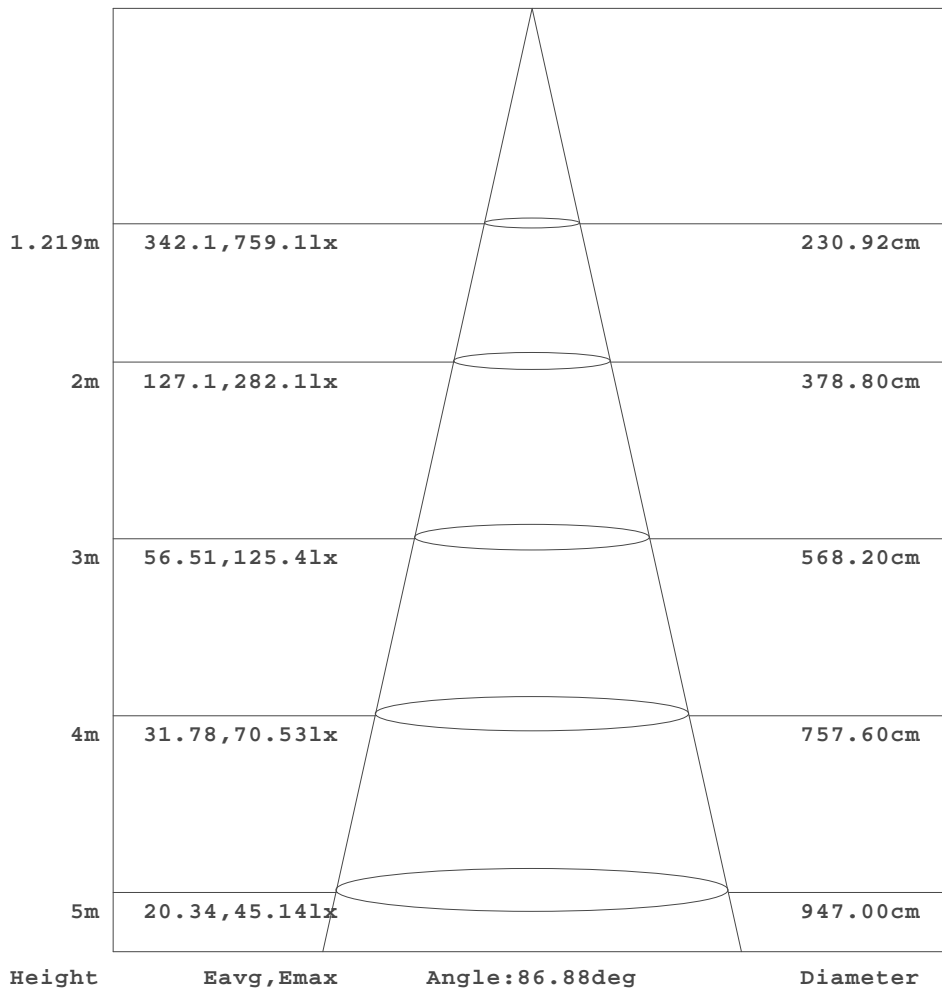
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

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:120.3V I:0.1655A P:19.30W PF:0.9681 Lamp Flux:2170.94x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 H-4000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 H-4000KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:1490 lm



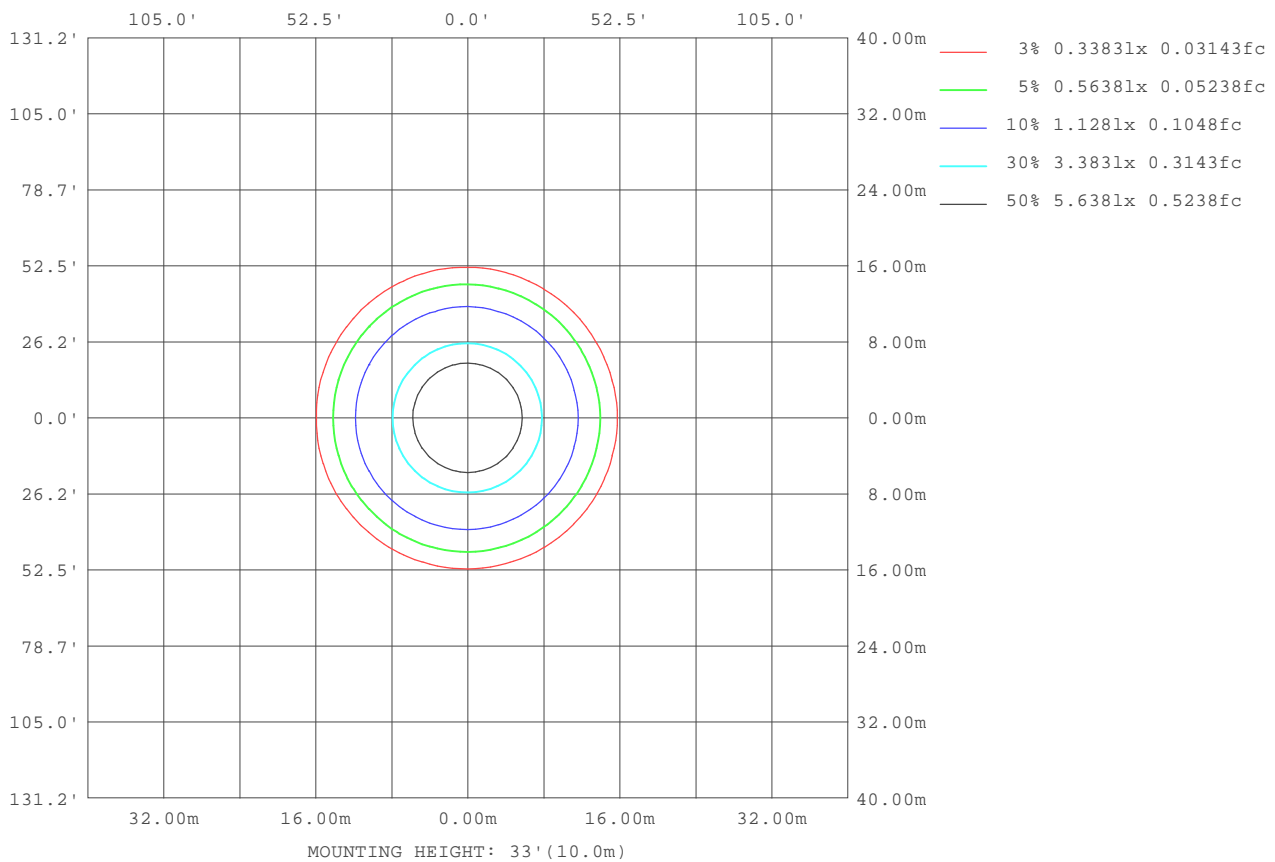
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

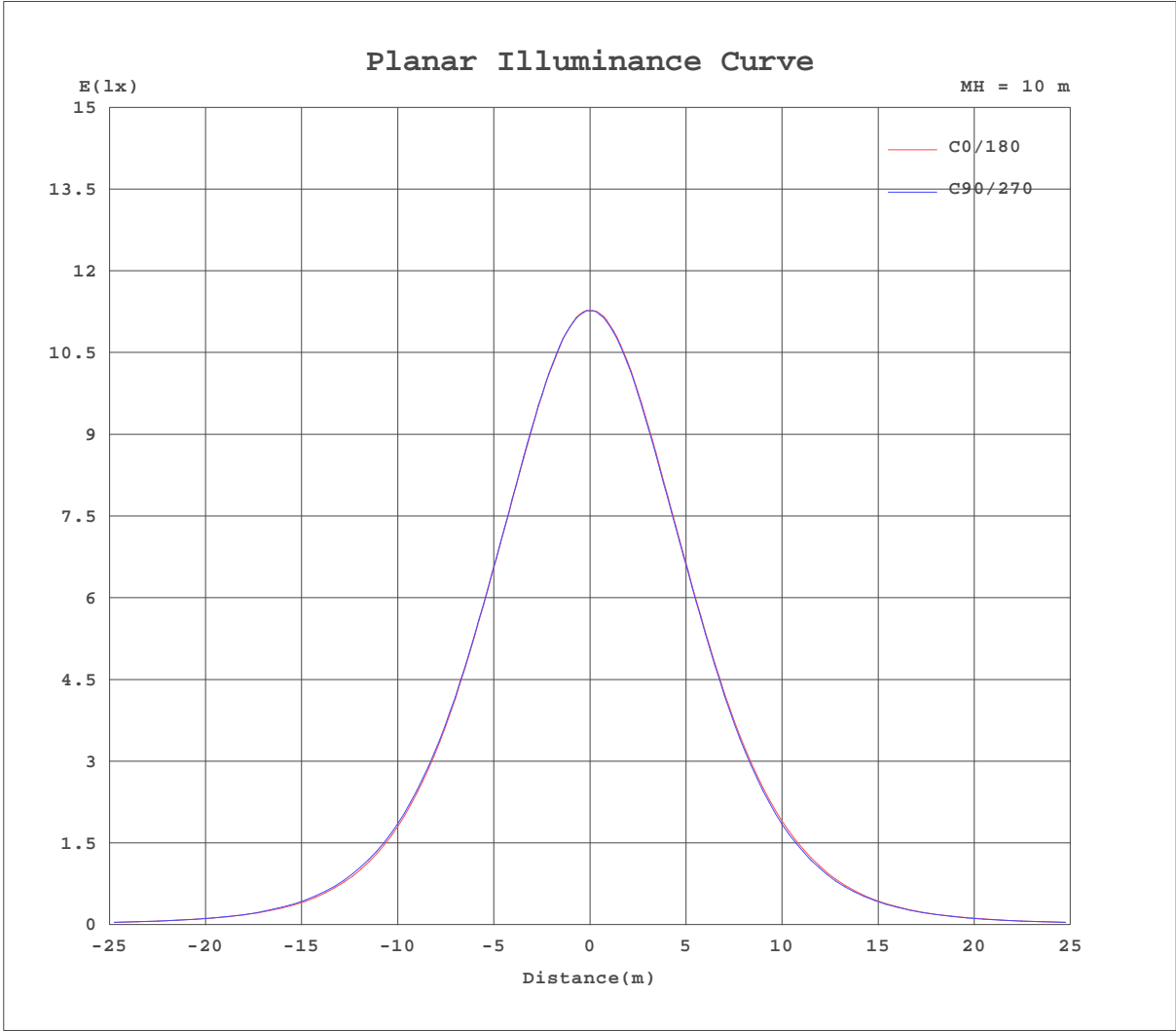
Test:U:120.3V I:0.1655A P:19.30W PF:0.9681 Lamp Flux:2170.94x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 H-4000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 H-4000KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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