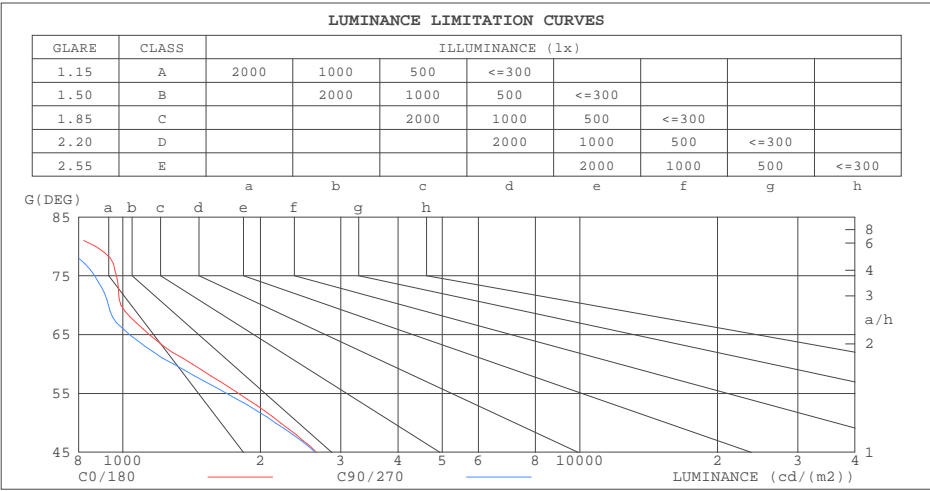


ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum
10	1291	1296	1297	1300	1301	1295	1291	1290	0- 10	125.4	125.4	5.11
20	1178	1184	1187	1192	1193	1185	1177	1175	10- 20	351.3	476.7	19.4
30	979.5	988.2	988.7	1001	1001	985.3	969.9	971.7	20- 30	502.8	979.6	39.9
40	710.1	716.4	710.1	737.9	738.3	711.8	679.7	693.6	30- 40	532.6	1512	61.6
50	428.2	432.2	415.9	446.0	454.0	427.5	391.3	407.0	40- 50	434.9	1947	79.3
60	213.4	206.8	193.6	211.7	220.2	206.1	185.5	196.8	50- 60	272.4	2220	90.4
70	101.9	98.15	95.31	99.77	104.4	98.18	94.24	96.30	60- 70	141.2	2361	96.1
80	45.55	42.37	37.98	43.17	43.70	42.88	39.29	42.71	70- 80	74.92	2436	99.2
90	0.0005	0	0	0	0	0	0	0	80- 90	16.26	2452	99.9
100	0	0	0	0	0	0	0	0	90-100	0.0000	2452	99.9
110	0	0	0	0	0	0	0	0	100-110	0	2452	99.9
120	0.0864	0.1544	0.0488	0.0865	0.1797	0.0740	0.1603	0.1540	110-120	0.0204	2452	99.9
130	0.5437	0.6112	0.4800	0.4997	0.6371	0.5424	0.6407	0.6225	120-130	0.2904	2452	99.9
140	1.100	1.172	1.047	1.030	1.187	1.091	1.226	1.177	130-140	0.6442	2453	99.9
150	1.668	1.746	1.626	1.603	1.750	1.695	1.806	1.750	140-150	0.8818	2454	99.9
160	2.157	2.239	2.143	2.127	2.244	2.201	2.304	2.219	150-160	0.9004	2455	100
170	2.515	2.590	2.513	2.527	2.584	2.547	2.624	2.539	160-170	0.6718	2455	100
180	2.639	2.683	2.661	2.651	2.645	2.695	2.673	2.638	170-180	0.2490	2456	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

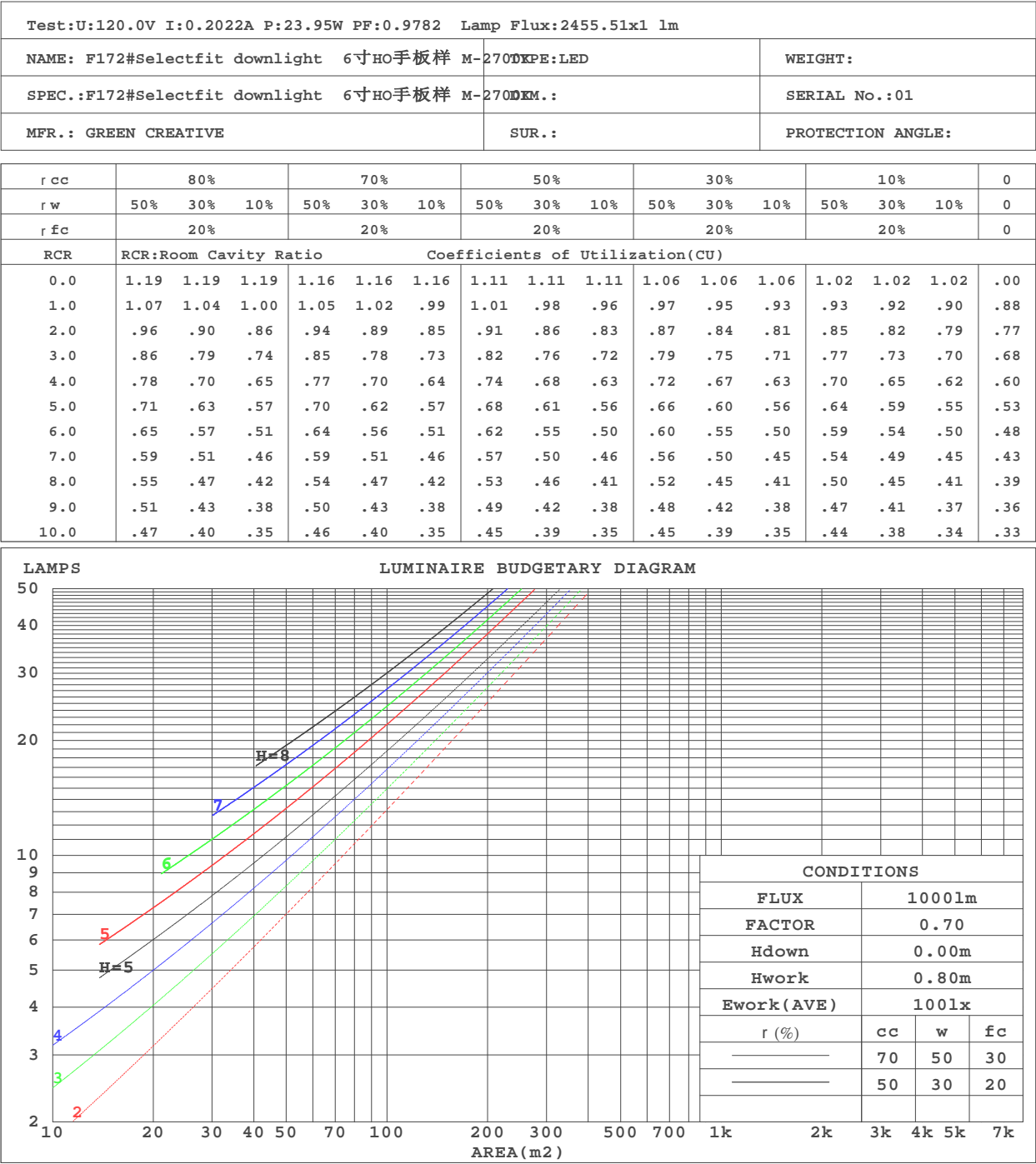


LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	607	307
80	872	730
75	968	868
70	991	930
65	1143	1035
60	1420	1292
55	1793	1689
50	2215	2159
45	2652	2641

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



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:120.0V I:0.2022A P:23.95W PF:0.9782 Lamp Flux:2455.51x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 M-2700KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-2700KM.:	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	.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	.173	.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
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	.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	.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	.134	.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	.055	.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:120.0V I:0.2022A P:23.95W PF:0.9782 Lamp Flux:2455.51x1 lm										
NAME: F172#Selectfit downlight 6寸HO手板样 M-2700KPE:LED							WEIGHT:			
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-2700KM.:							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	14.1	15.4	14.4	15.6	15.8	13.9	15.2	14.1	15.4	15.6
3H	14.7	15.9	14.9	16.1	16.3	14.4	15.6	14.7	15.8	16.0
4H	14.9	16.1	15.2	16.3	16.6	14.6	15.7	14.9	16.0	16.2
6H	15.2	16.2	15.5	16.5	16.8	14.8	15.8	15.1	16.1	16.4
8H	15.2	16.2	15.5	16.5	16.8	14.8	15.8	15.1	16.1	16.4
12H	15.2	16.2	15.6	16.5	16.8	14.8	15.8	15.1	16.0	16.3
4H 2H	14.3	15.4	14.6	15.7	15.9	14.1	15.2	14.4	15.5	15.7
3H	15.0	16.0	15.3	16.3	16.6	14.7	15.7	15.1	16.0	16.3
4H	15.4	16.3	15.8	16.6	16.9	15.1	16.0	15.5	16.3	16.6
6H	15.8	16.5	16.1	16.9	17.2	15.4	16.2	15.8	16.5	16.9
8H	15.9	16.6	16.3	17.0	17.3	15.4	16.2	15.8	16.5	16.9
12H	15.9	16.6	16.3	17.0	17.4	15.4	16.1	15.9	16.5	16.9
8H 4H	15.5	16.2	15.9	16.6	17.0	15.2	15.9	15.6	16.3	16.7
6H	16.0	16.6	16.4	17.0	17.4	15.6	16.2	16.0	16.6	17.0
8H	16.1	16.7	16.6	17.1	17.5	15.7	16.2	16.2	16.7	17.1
12H	16.3	16.7	16.7	17.2	17.6	15.7	16.2	16.2	16.6	17.1
12H 4H	15.5	16.1	15.9	16.5	16.9	15.2	15.9	15.6	16.3	16.7
6H	16.0	16.5	16.4	16.9	17.4	15.6	16.1	16.1	16.6	17.0
8H	16.2	16.6	16.7	17.1	17.6	15.7	16.2	16.2	16.6	17.1
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 2456 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.1)

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:120.0V I:0.2022A P:23.95W PF:0.9782 Lamp Flux:2455.51x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 M-2700K	TYPE:LED	WEIGHT:
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-2700K	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	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

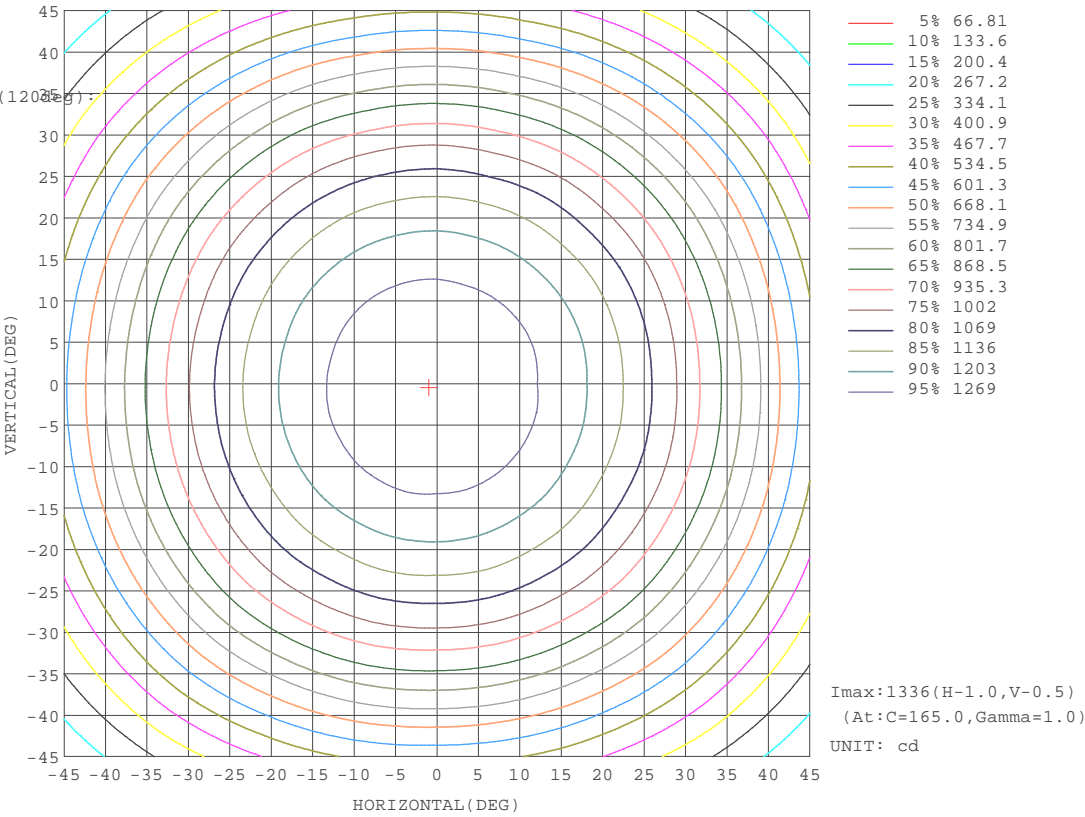
g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.627m [K=1.0000]
Remarks: TRP-240925SHA-01_F172
T409251

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.2022A P:23.95W PF:0.9782 Lamp Flux:2455.51x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 M-2700KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-2700KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):
1747.9 lm
%lum = 71.2%
%lamp = 71.2%

Conical surface Flux(120deg):
2219.5 lm
%lum = 90.4%
%lamp = 90.4%



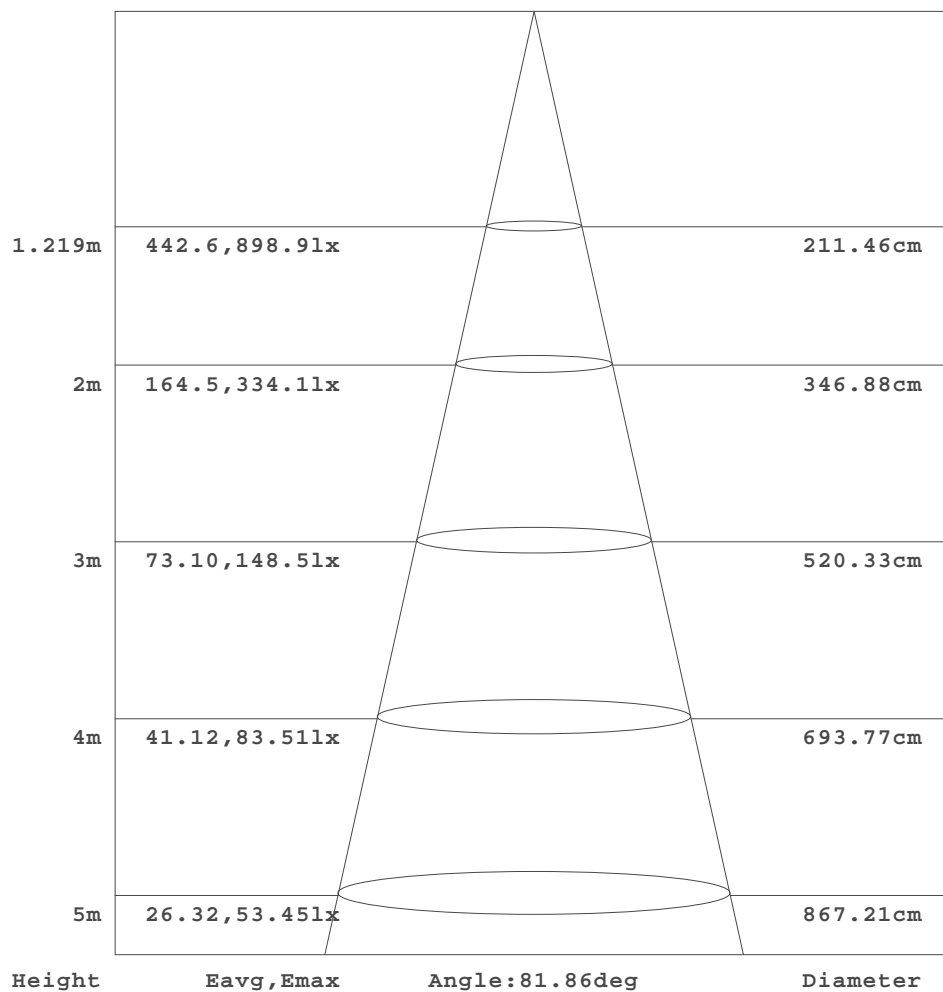
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

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:120.0V I:0.2022A P:23.95W PF:0.9782 Lamp Flux:2455.51x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 M-2700KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-2700K.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:1562 lm



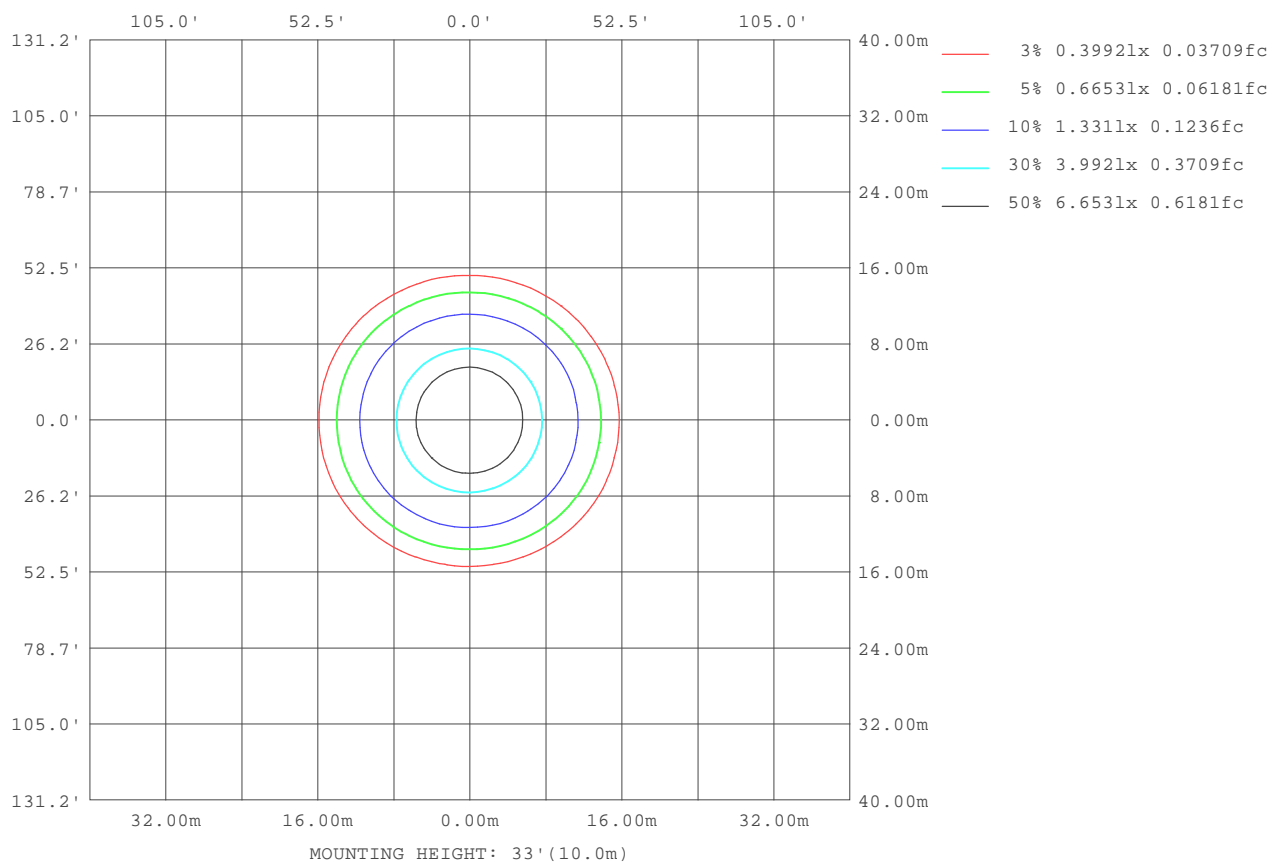
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

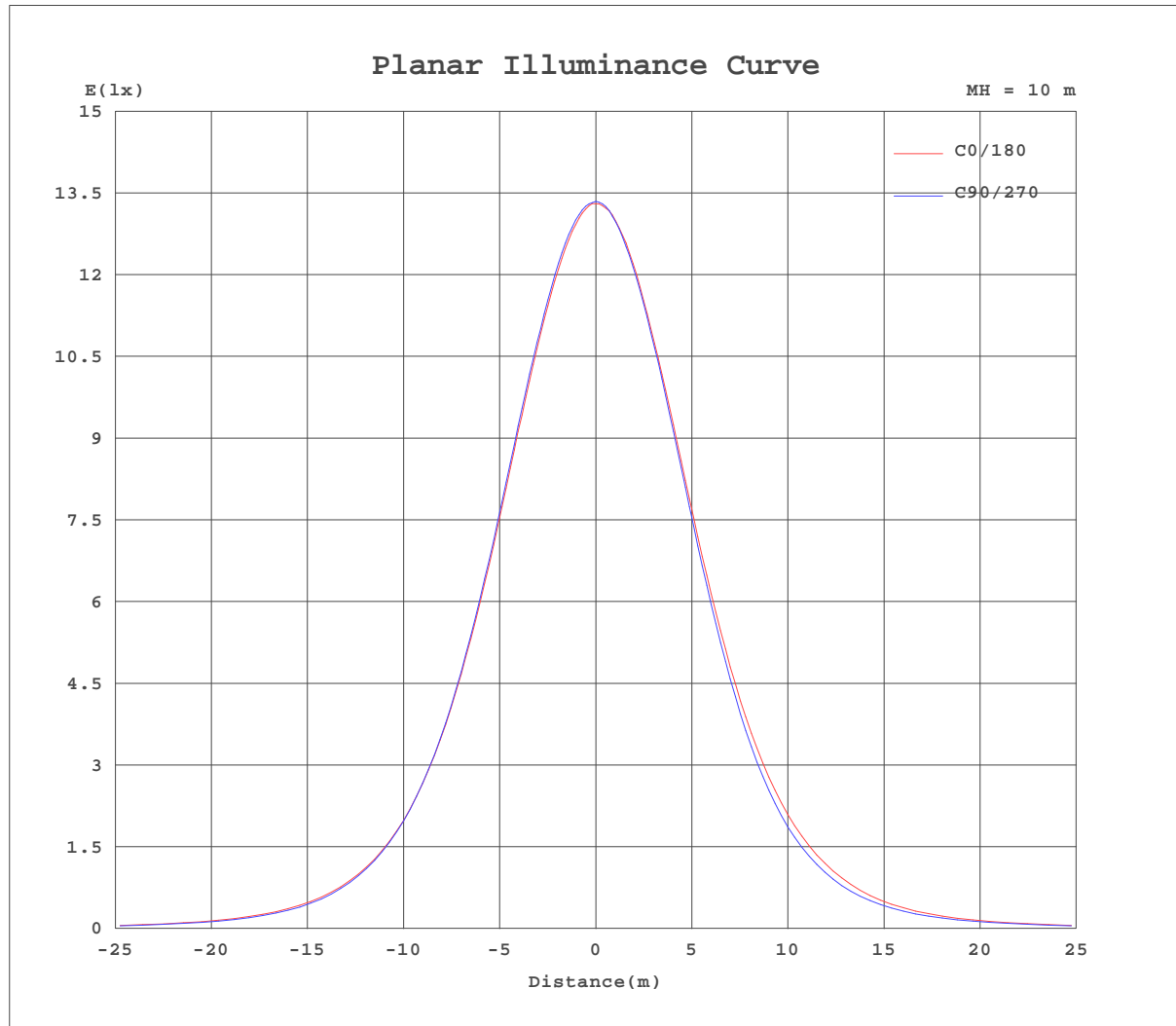
Test:U:120.0V I:0.2022A P:23.95W PF:0.9782 Lamp Flux:2455.51x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 M-2700KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-2700KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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