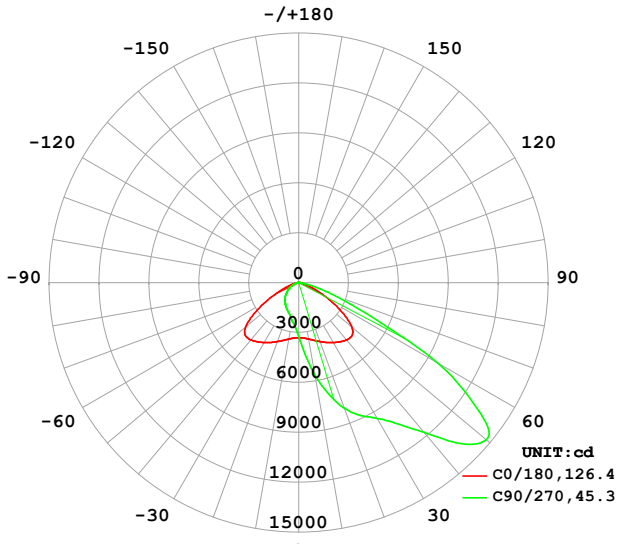
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.90V I:0.6833A P:154.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:20715.3x1 lm		
NAME: FL72-300(150W)-F04803-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

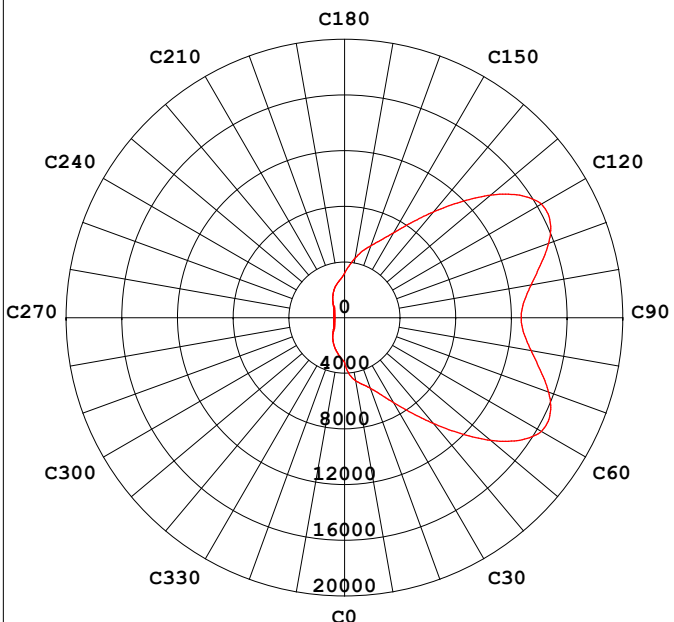
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 134.43 lm/W	
MODEL	/	Imax(cd)	16338	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	81.8
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	20715	η house_up(%)	0.0
NOMINAL FLUX(lm)	20715.3	MAXIMUM @(C,γ)	60,55.5	η house_down(%)	18.2
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	/	η down(%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



AVERAGE BEAM ANGLE(50%):85.9 DEG

MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

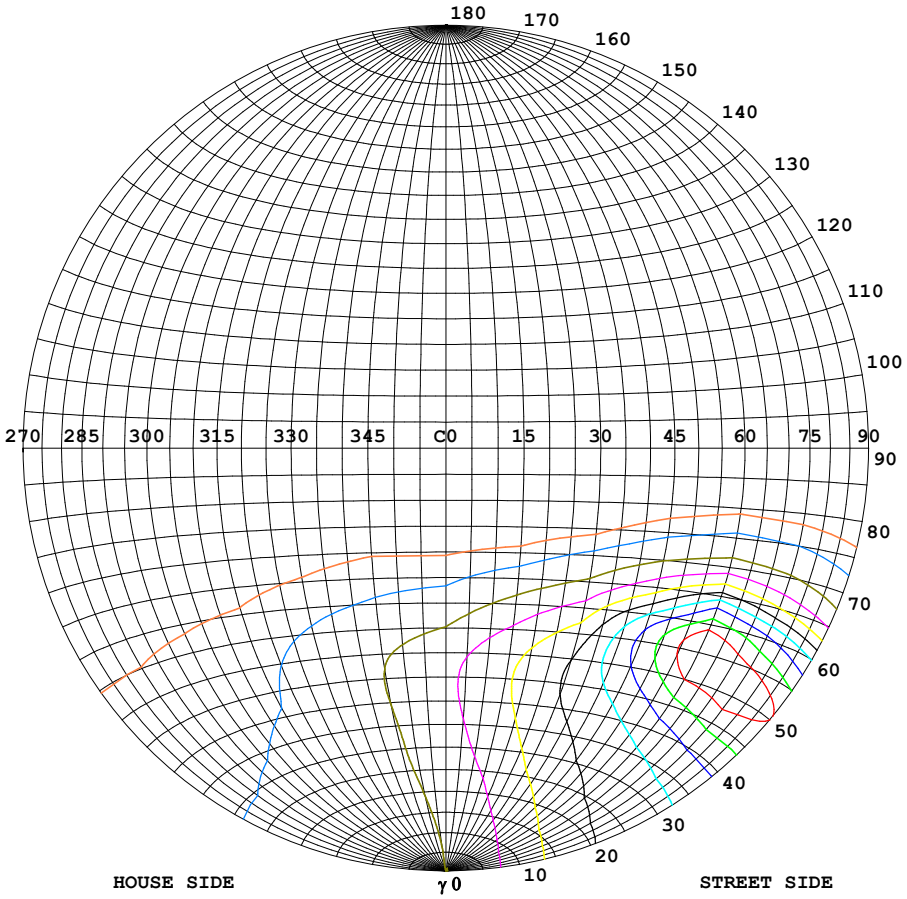


HOUSE SIDE Max @ γ = 55.5DEG STREET SIDE

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM



Classification:

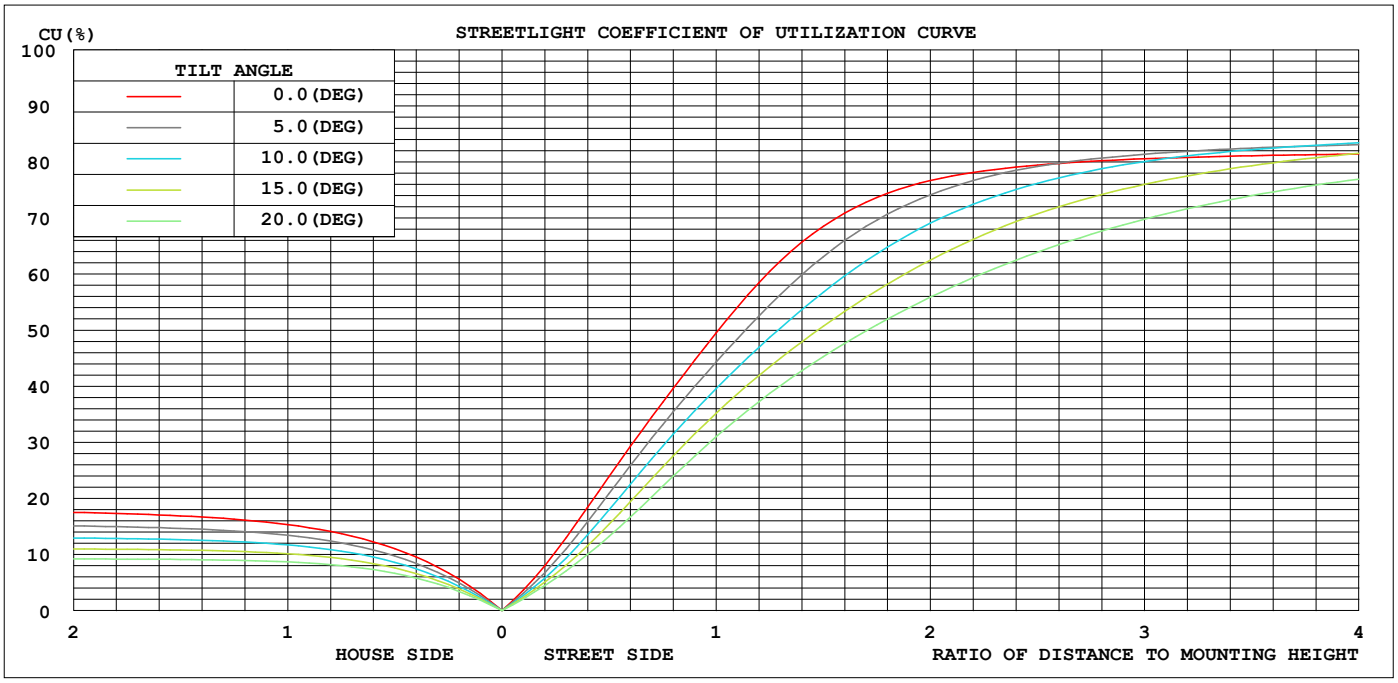
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:29.67cd/klm
Max.At90:1.905cd/klm
Max.80-90:29.67cd/klm

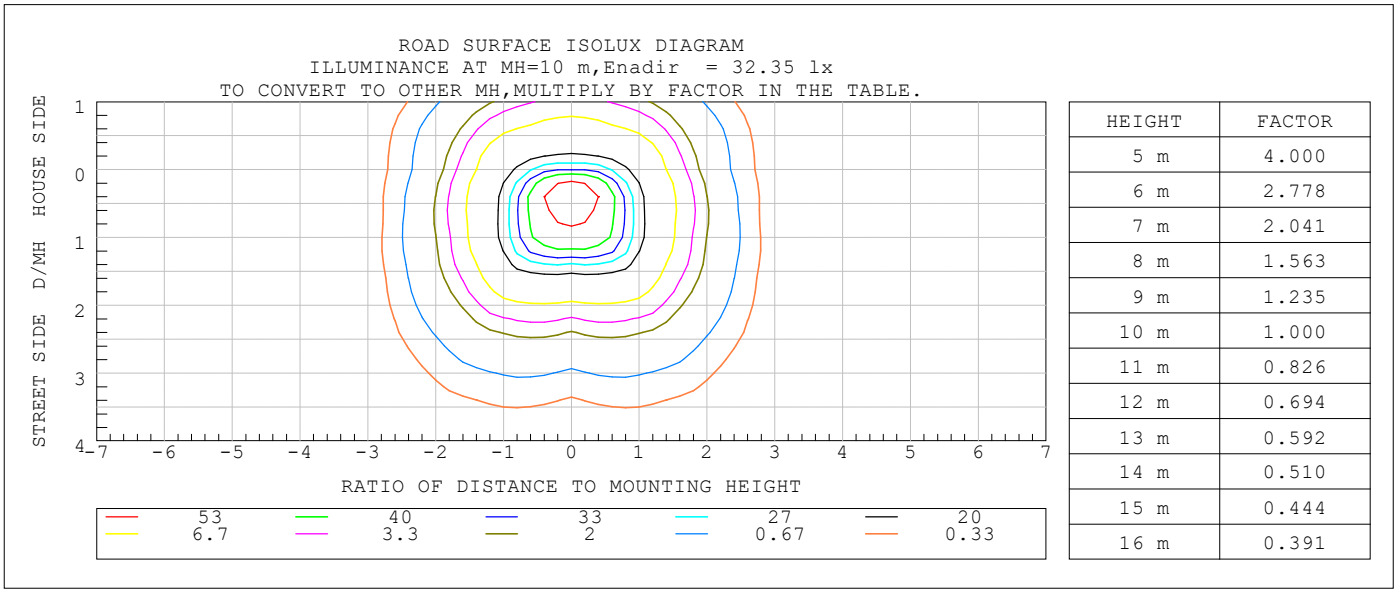
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	16338
90%	14704
80%	13070
70%	11437
60%	9803
50%	8169
40%	6535
30%	4901
20%	3268
10%	1634
5%	817

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM





HEIGHT	FACTOR
5 m	4.000
6 m	2.778
7 m	2.041
8 m	1.563
9 m	1.235
10 m	1.000
11 m	0.826
12 m	0.694
13 m	0.592
14 m	0.510
15 m	0.444
16 m	0.391

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

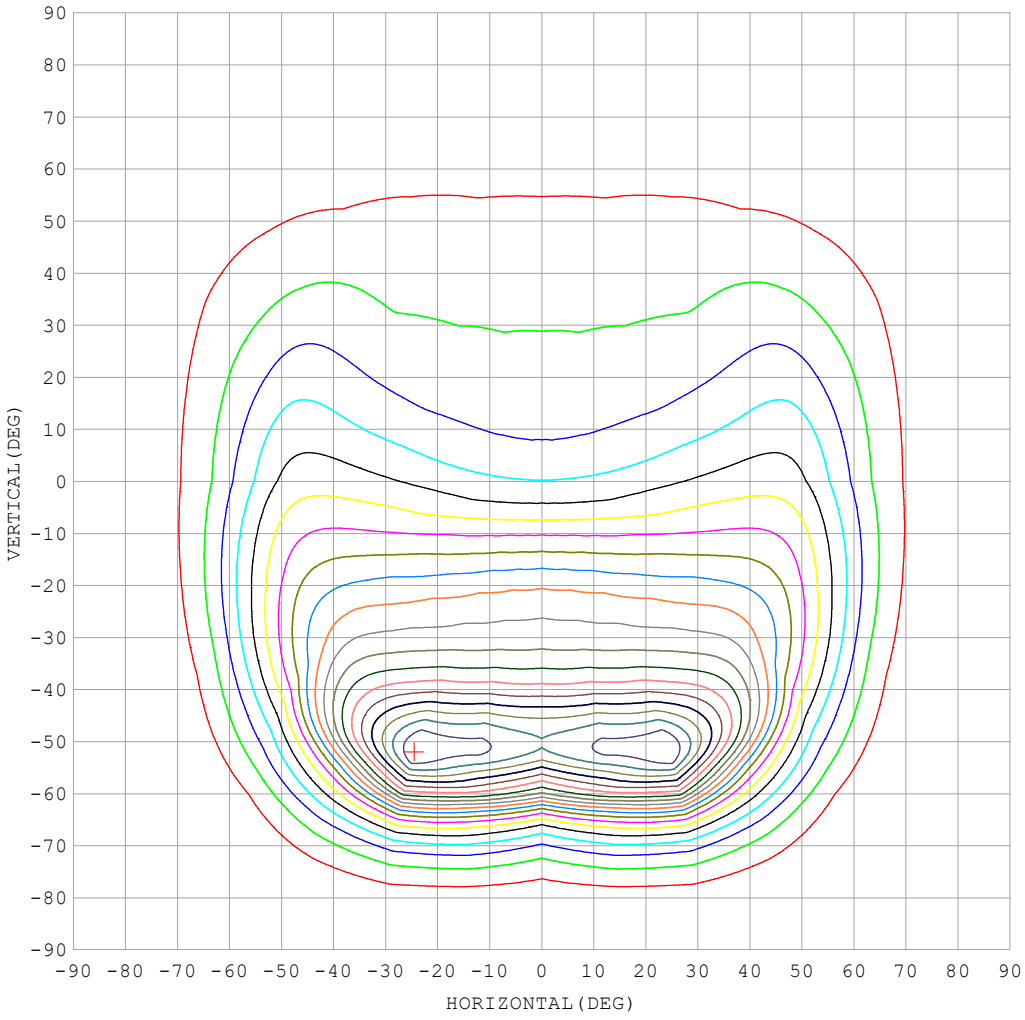
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	344.9	481.0	561.5	481.0	344.9	253.4	233.0	253.4	0- 10	331.6	331.6	1.6,1.6
20	377.8	663.6	803.5	663.6	377.8	217.7	186.5	217.7	10- 20	1154	1486	7.17,7.17
30	416.8	810.3	942.1	810.3	416.8	194.1	159.7	194.1	20- 30	2170	3656	17.6,17.6
40	449.8	934.4	1176	934.4	449.8	168.2	130.4	168.2	30- 40	3284	6940	33.5,33.5
50	418.2	1137	1470	1137	418.2	139.0	96.34	139.0	40- 50	4661	11601	56,56
60	230.8	988.2	965.5	988.2	230.8	88.22	64.54	88.22	50- 60	5275	16876	81.5,81.5
70	74.46	319.9	234.0	319.9	74.46	40.23	30.78	40.23	60- 70	2973	19849	95.8,95.8
80	17.12	41.49	30.19	41.49	17.12	11.23	8.806	11.23	70- 80	792.9	20642	99.6,99.6
90	0.5701	0.1228	0.1448	0.1228	0.5701	3.346	3.504	3.346	80- 90	73.50	20715	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM



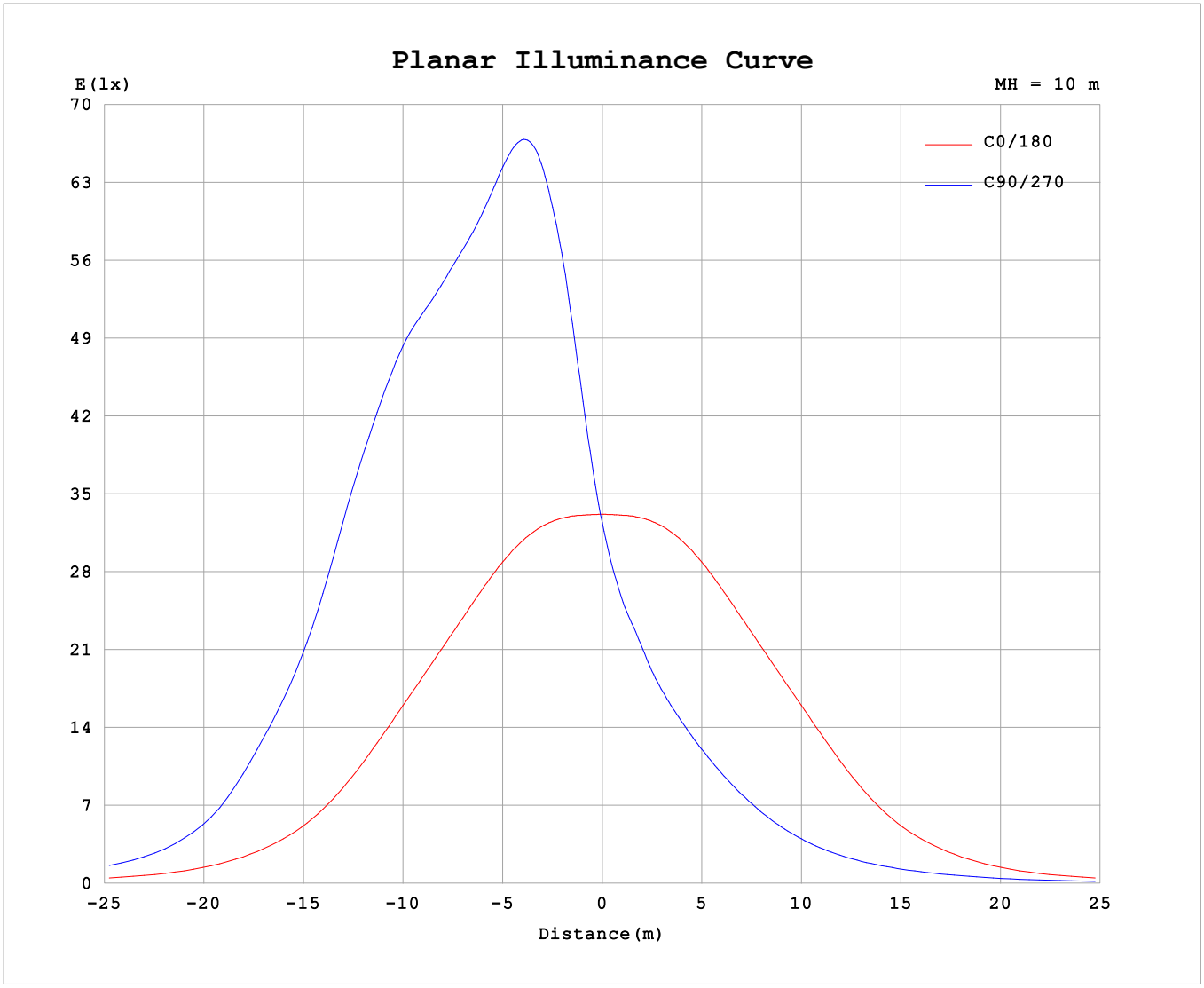
Imax:16294(H-24.5,V-52.0
(At:C=60.0,Gamma=55.5)

UNIT: cd

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

Planar Illuminance Curve



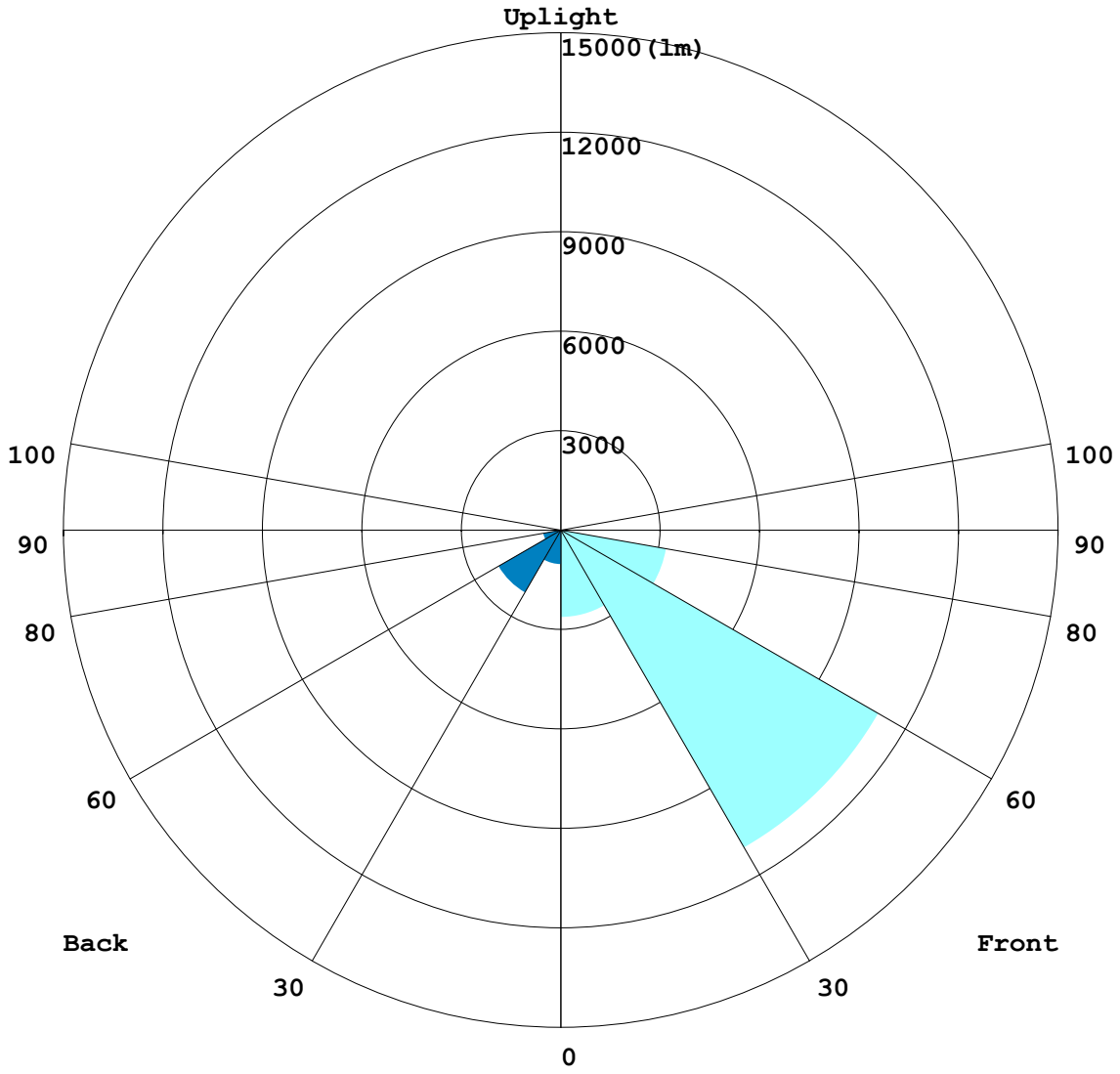
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

LCS REPORT

Test:U:229.90V I:0.6833A P:154.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:20715.3x1 lm		
NAME: FL72-300(150W)-F04803-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

BUG REPORT

Test:U:229.90V I:0.6833A P:154.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:20715.3x1 lm		
NAME: FL72-300(150W)-F04803-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2625.2	12.7
FM - Front-Medium(30-60)	11053	53.4
FH - Front-High(60-80)	3227.3	15.6
FVH - Front-Very High(80-90)	45.03	0.2
Total Forward Light	16951	81.8
BL - Back-Low(0-30)	1030.5	5.0
BM - Back-Medium(30-60)	2167.2	10.5
BH - Back-High(60-80)	538.25	2.6
BVH - Back-Very High(80-90)	28.471	0.1
Total Back Light	3764.4	18.2
UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G2

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3764.4	0	3764.4
Street Side	16951	0	16951

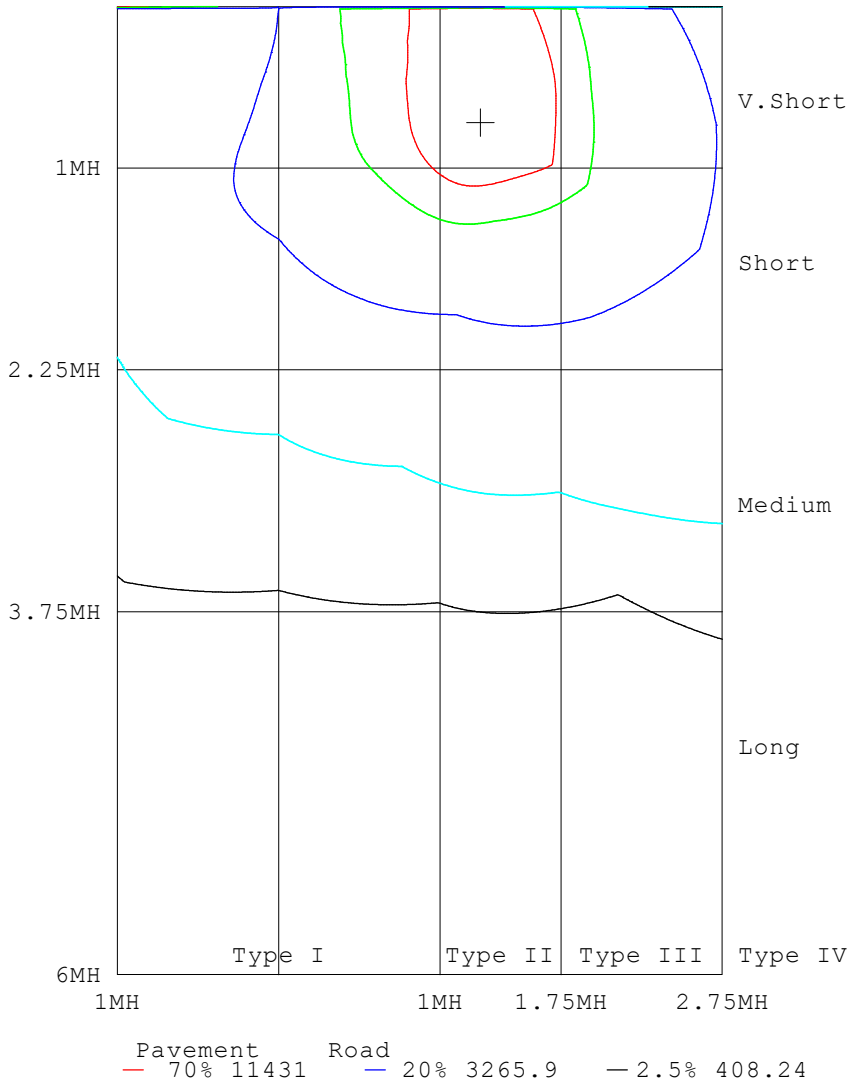
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:229.90V I:0.6833A P:154.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:20715.3x1 lm		
NAME: FL72-300(150W)-F04803-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1 UNIT: X10cd

C(DEG) / γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	332	324	324	323	324	323	324	323	324	323	324	324	332	324	324	323	324	323	324
5	335	348	371	391	411	421	427	421	411	391	371	348	335	308	293	280	272	266	265
10	345	381	432	481	525	550	561	550	525	481	432	381	345	301	273	253	242	235	233
15	360	419	500	578	638	675	691	675	638	578	500	419	360	300	263	236	217	206	205
20	378	460	571	664	741	786	803	786	741	664	571	460	378	304	256	218	199	189	187
25	398	503	635	743	823	865	881	865	823	743	635	503	398	311	246	205	185	174	173
30	417	545	694	810	887	927	942	927	887	810	694	545	417	316	239	194	172	161	160
35	434	583	748	869	955	1015	1037	1015	955	869	748	583	434	320	233	182	159	148	146
40	450	615	796	934	1070	1157	1176	1157	1070	934	796	615	450	327	228	168	144	132	130
45	452	631	827	1028	1241	1363	1366	1363	1241	1028	827	631	452	330	223	155	127	116	114
50	418	603	813	1137	1472	1541	1470	1541	1472	1137	813	603	418	311	207	139	111	98.6	96.3
55	331	509	720	1180	1632	1484	1300	1484	1632	1180	720	509	331	250	176	116	93.5	82.3	80.4
60	231	375	545	988	1392	1188	966	1188	1392	988	545	375	231	178	132	88.2	74.8	66.6	64.5
65	136	230	348	591	899	668	476	668	899	591	348	230	136	124	88.2	61.2	53.6	47.6	45.6
70	74.5	104	190	320	420	345	234	345	420	320	190	104	74.5	75.2	54.6	40.2	35.0	31.8	30.8
75	38.5	43.1	62.7	139	189	163	106	163	189	139	62.7	43.1	38.5	40.0	31.1	23.7	21.1	19.2	18.9
80	17.1	17.4	16.4	41.5	61.5	49.8	30.2	49.8	61.5	41.5	16.4	17.4	17.1	17.6	13.9	11.2	9.67	8.86	8.81
85	3.74	3.18	2.30	3.32	3.49	2.76	2.39	2.76	3.49	3.32	2.30	3.18	3.74	4.15	3.79	3.87	4.20	4.13	4.02
90	0.57	0.12	0.12	0.12	0.13	0.14	0.14	0.14	0.13	0.12	0.12	0.12	0.57	1.42	2.27	3.35	3.95	3.79	3.50

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2 UNIT: X10cd

C(DEG) / γ (DEG)	285	300	315	330	345														
0	323	324	323	324	324														
5	266	272	280	293	308														
10	235	242	253	273	301														
15	206	217	236	263	300														
20	189	199	218	256	304														
25	174	185	205	246	311														
30	161	172	194	239	316														
35	148	159	182	233	320														
40	132	144	168	228	327														
45	116	127	155	223	330														
50	98.6	111	139	207	311														
55	82.3	93.5	116	176	250														
60	66.6	74.8	88.2	132	178														
65	47.6	53.6	61.2	88.2	124														
70	31.8	35.0	40.2	54.6	75.2														
75	19.2	21.1	23.7	31.1	40.0														
80	8.86	9.67	11.2	13.9	17.6														
85	4.13	4.20	3.87	3.79	4.15														
90	3.79	3.95	3.35	2.27	1.42														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks: