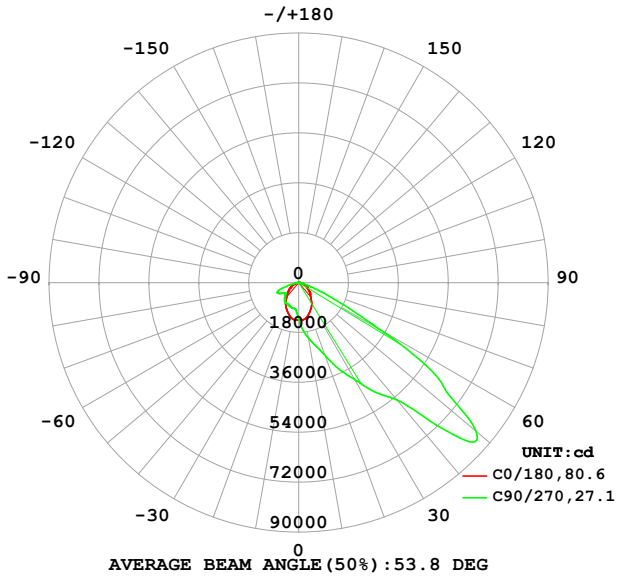
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.90V I:1.3351A P:301.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:50440.8x1 lm		
NAME: FL72-300(300W)-F04802	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

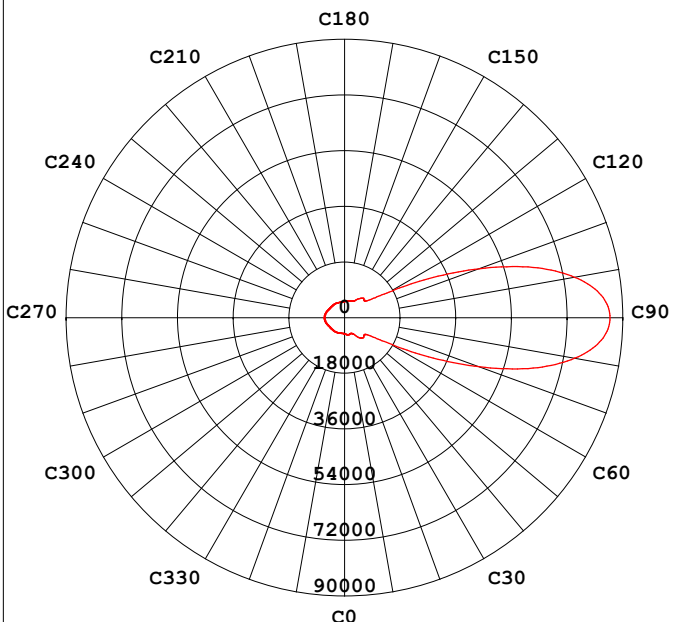
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 167.52 lm/W	
MODEL	/	Imax(cd)	85792	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	72.3
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	50441	η house_up(%)	0.0
NOMINAL FLUX(lm)	50440.8	MAXIMUM @(C,γ)	90,48.5	η house_down(%)	27.7
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	/	η down(%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



AVERAGE BEAM ANGLE(50%):53.8 DEG

MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

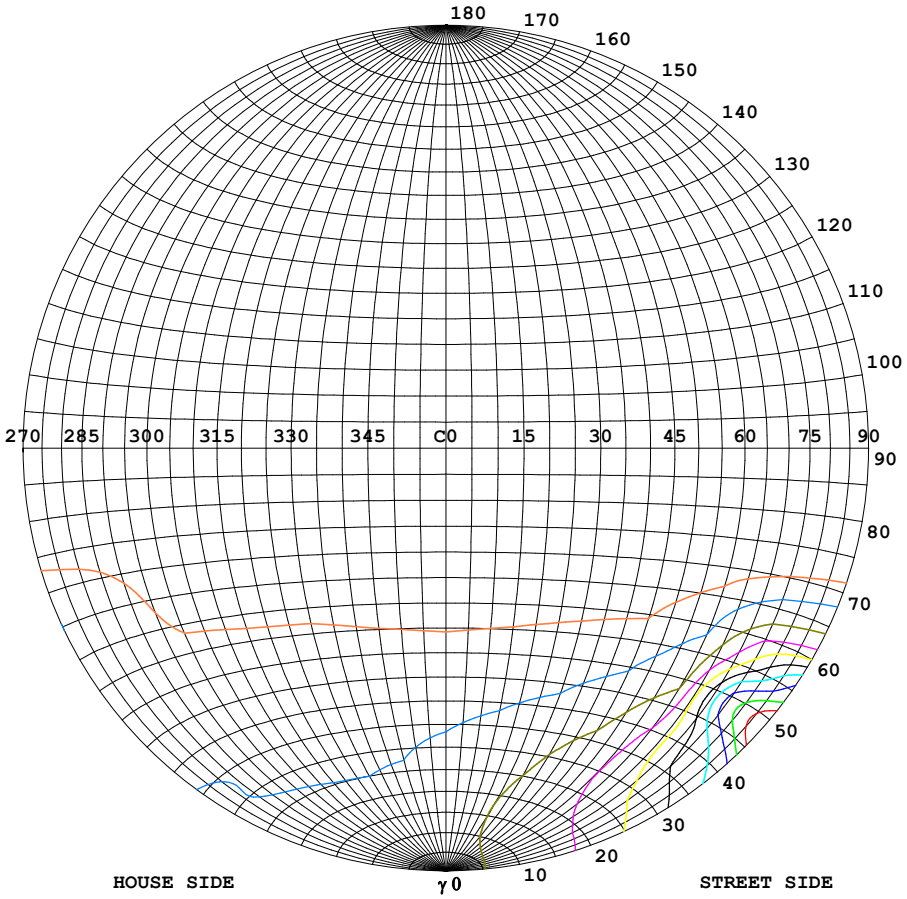


HOUSE SIDE Max @ γ = 48.5DEG STREET SIDE

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:

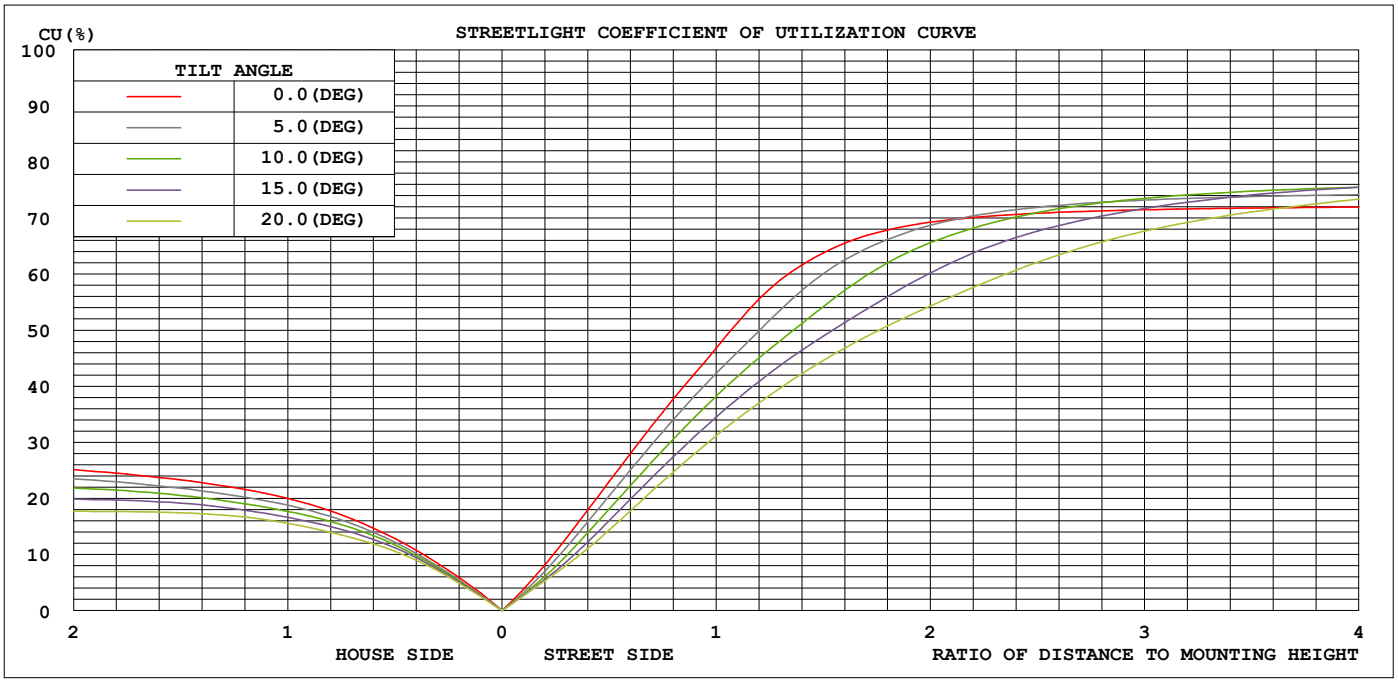
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:24.22cd/klm
Max.At90:1.408cd/klm
Max.80-90:32.07cd/klm

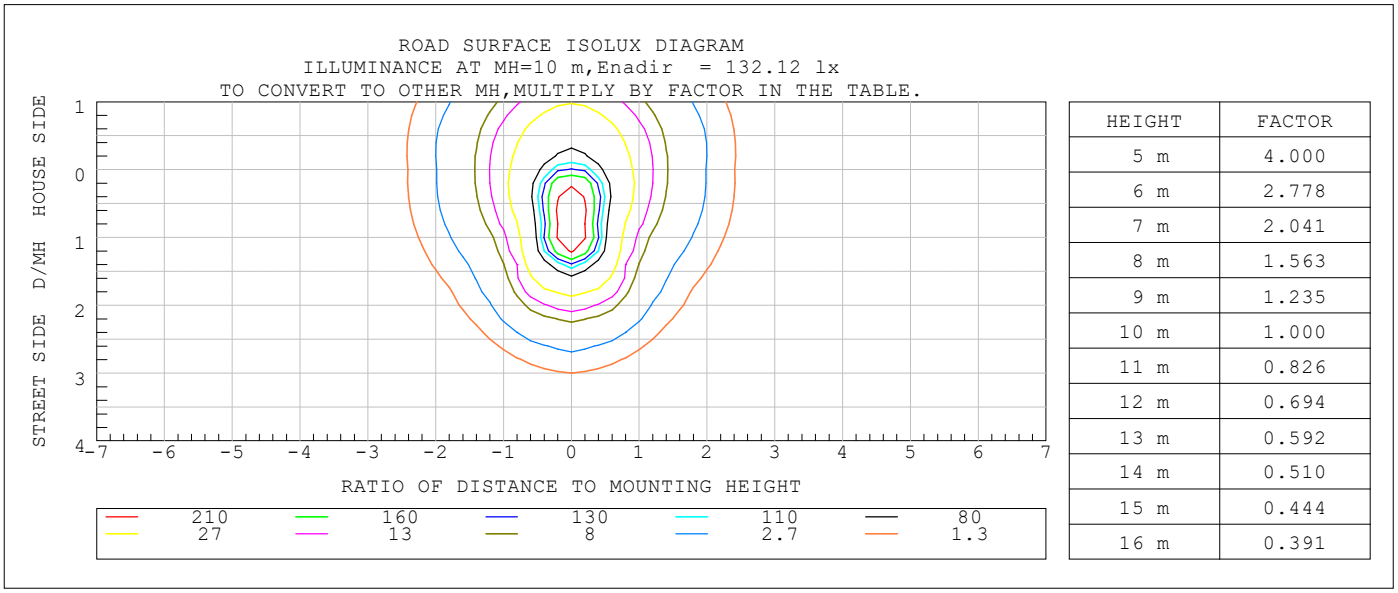
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	85792
90%	77212
80%	68633
70%	60054
60%	51475
50%	42896
40%	34317
30%	25737
20%	17158
10%	8579
5%	4290

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:

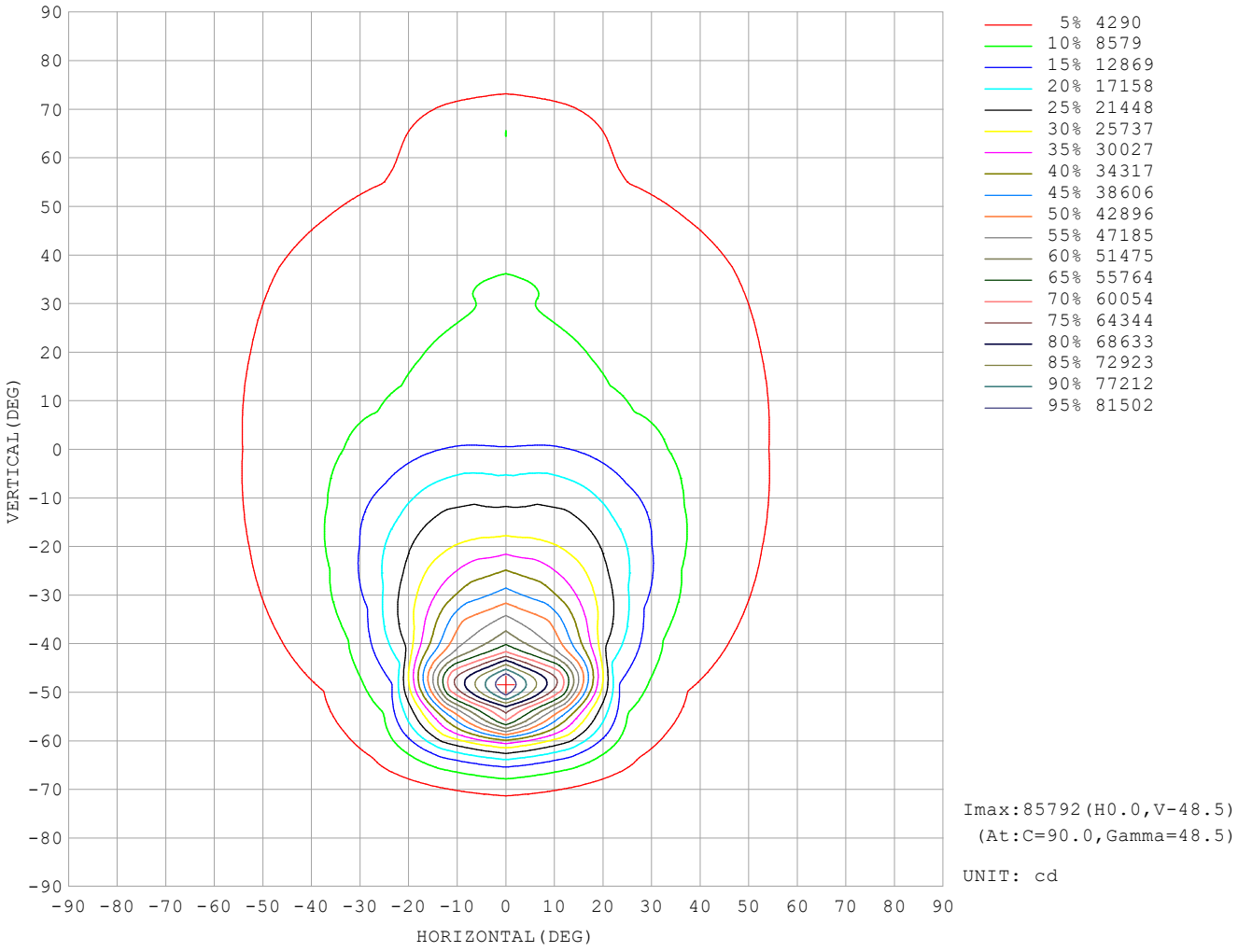
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1330	1878	2029	1878	1330	977.3	954.5	977.3	0- 10	1309	1309	2.6,2.6
20	1152	2194	2799	2194	1152	904.8	925.5	904.8	10- 20	4179	5488	10.9,10.9
30	944.8	2101	4031	2101	944.8	806.2	877.8	806.2	20- 30	7165	12653	25.1,25.1
40	682.6	1480	5533	1480	682.6	689.0	797.9	689.0	30- 40	9647	22300	44.2,44.2
50	506.1	820.1	8351	820.1	506.1	538.7	643.2	538.7	40- 50	11539	33839	67.1,67.1
60	343.7	412.1	3397	412.1	343.7	390.2	794.5	390.2	50- 60	9645	43484	86.2,86.2
70	192.8	223.2	567.3	223.2	192.8	216.1	693.0	216.1	60- 70	4828	48312	95.8,95.8
80	59.95	64.80	87.34	64.80	59.95	59.07	100.5	59.07	70- 80	1810	50123	99.4,99.4
90	1.277	0.3823	0.6168	0.3823	1.277	2.679	7.100	2.679	80- 90	318.3	50441	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:

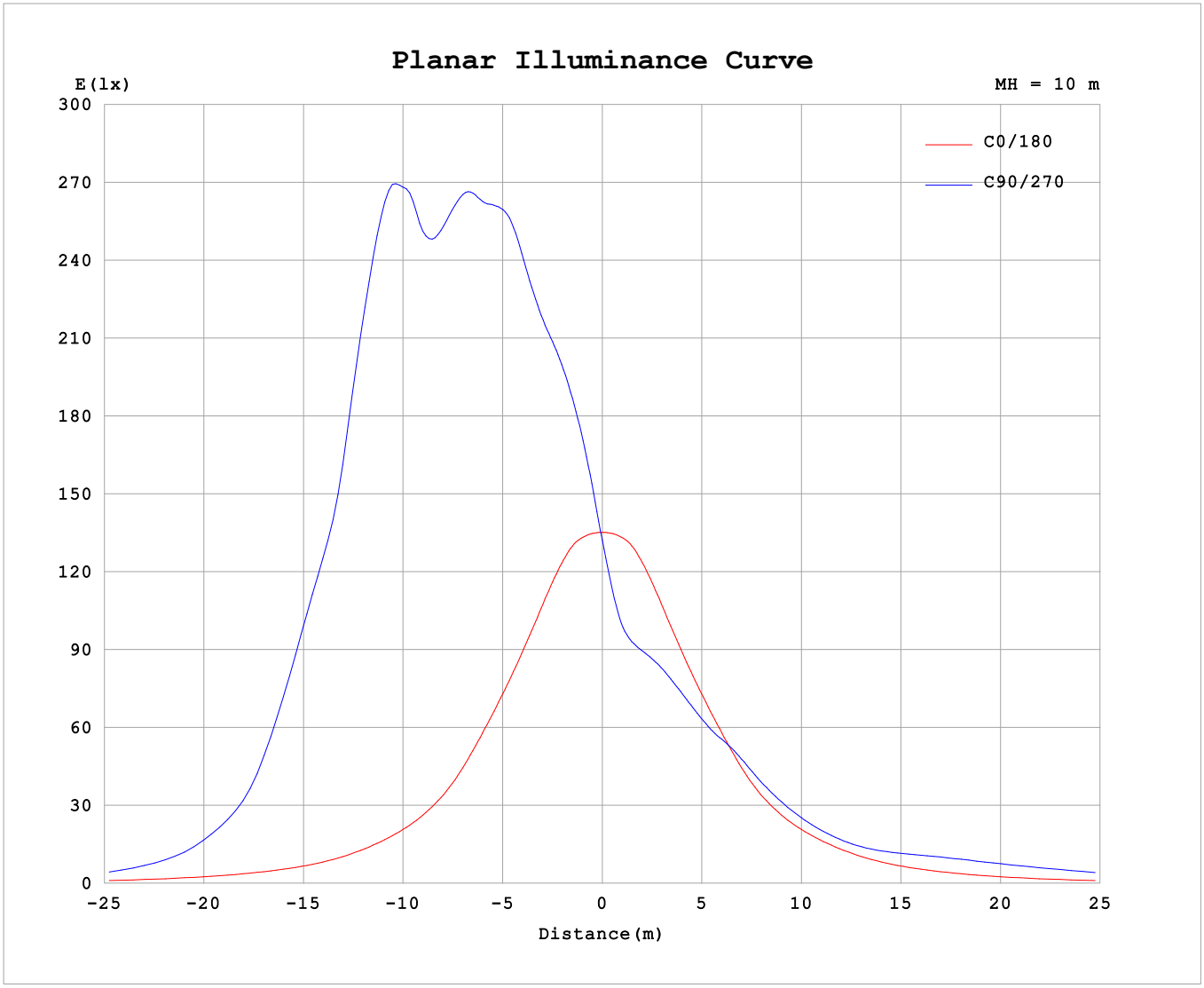
ISOCANDELA DIAGRAM



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



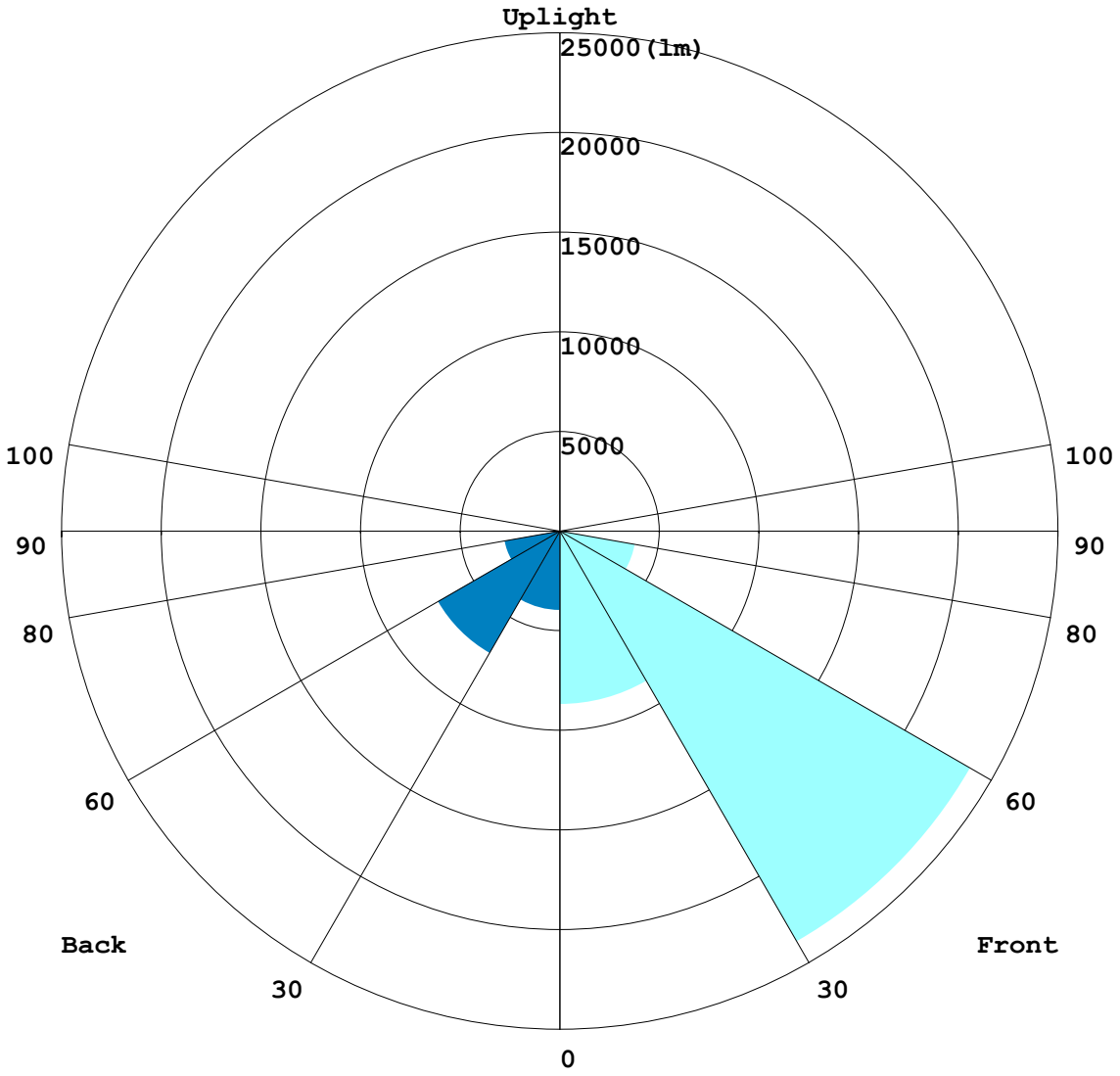
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:1.3351A P:301.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:50440.8x1 lm		
NAME: FL72-300(300W)-F04802	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:1.3351A P:301.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:50440.8x1 lm		
NAME: FL72-300(300W)-F04802	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	8683.2	17.2
FM - Front-Medium(30-60)	23771	47.1
FH - Front-High(60-80)	3823.9	7.6
FVH - Front-Very High(80-90)	196.97	0.4
Total Forward Light	36475	72.3
BL - Back-Low(0-30)	3970.1	7.9
BM - Back-Medium(30-60)	7059.3	14.0
BH - Back-High(60-80)	2814.8	5.6
BVH - Back-Very High(80-90)	121.32	0.2
Total Back Light	13966	27.7
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	B4-U0-G4

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	13966	0	13966
Street Side	36475	0	36475

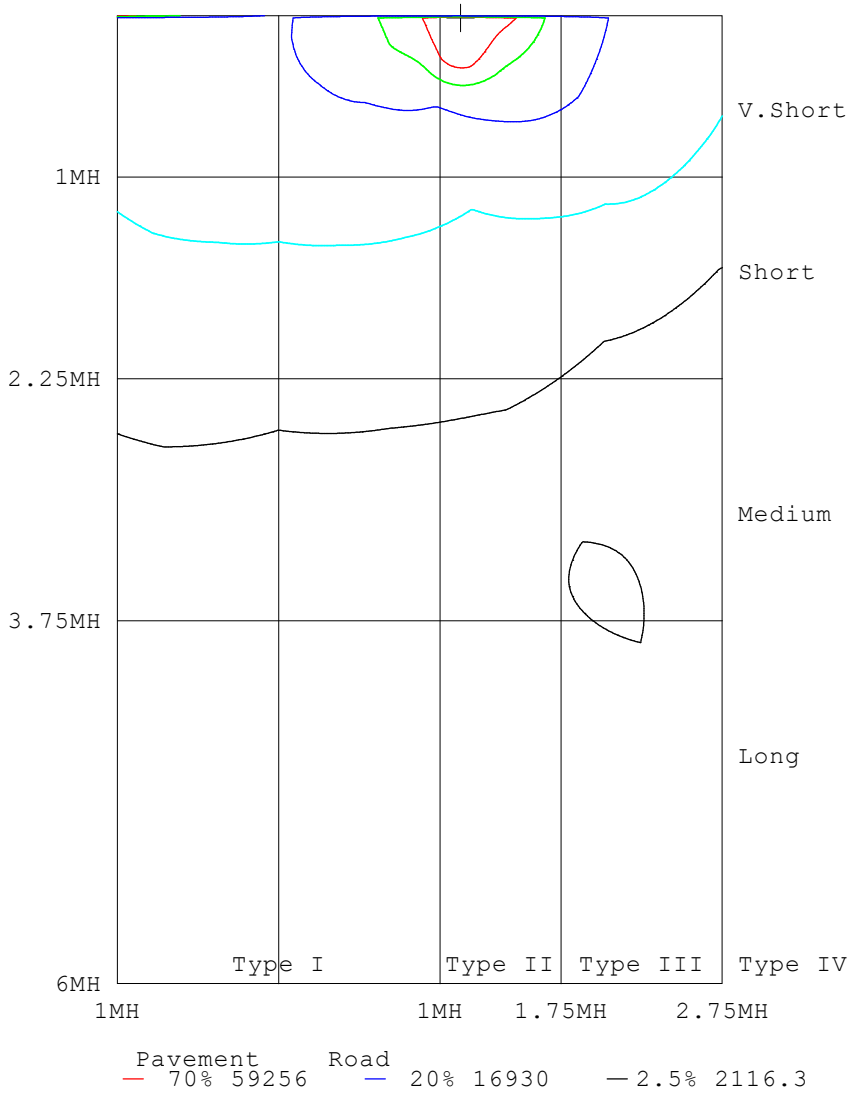
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:1.3351A P:301.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:50440.8x1 lm		
NAME: FL72-300(300W)-F04802	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	1353	1321	1323	1319	1323	1318	1323	1318	1323	1319	1323	1321	1353	1321	1323	1319	1323	1318	1323
5	1353	1421	1521	1596	1654	1672	1696	1672	1654	1596	1521	1421	1353	1235	1163	1102	1063	1037	1033
10	1330	1499	1717	1878	1975	1999	2029	1999	1975	1878	1717	1499	1330	1145	1035	977	956	952	955
15	1253	1499	1824	2073	2236	2307	2350	2307	2236	2073	1824	1499	1253	1042	959	935	937	942	947
20	1152	1418	1823	2194	2445	2671	2799	2671	2445	2194	1823	1418	1152	965	910	905	915	921	925
25	1051	1305	1714	2213	2641	3161	3444	3161	2641	2213	1714	1305	1051	894	857	862	875	887	896
30	945	1170	1543	2101	2785	3603	4031	3603	2785	2101	1543	1170	945	818	801	806	825	854	878
35	811	988	1305	1849	2782	4166	4828	4166	2782	1849	1305	988	811	736	737	747	789	842	872
40	683	797	1002	1480	2591	4539	5533	4539	2591	1480	1002	797	683	649	665	689	727	761	798
45	588	665	780	1093	2096	5504	7585	5504	2096	1093	780	665	588	573	595	626	636	689	716
50	506	529	573	820	1503	6166	8351	6166	1503	820	573	529	506	503	530	539	562	613	643
55	415	436	471	538	1085	3985	6272	3985	1085	538	471	436	415	431	460	463	485	553	650
60	344	358	385	412	728	2477	3397	2477	728	412	385	358	344	360	377	390	404	561	794
65	268	284	294	310	491	1109	1398	1109	491	310	294	284	268	303	299	307	323	566	859
70	193	200	218	223	293	443	567	443	293	223	218	200	193	214	217	216	236	463	693
75	130	151	207	134	153	180	228	180	153	134	207	151	130	132	131	131	141	242	308
80	59.9	81.8	122	64.8	68.6	64.2	87.3	64.2	68.6	64.8	122	81.8	59.9	58.9	60.3	59.1	64.1	85.4	100
85	19.4	48.8	87.9	20.7	15.5	15.5	18.5	15.5	15.5	20.7	87.9	48.8	19.4	13.7	14.2	13.5	14.4	17.1	19.1
90	1.28	0.33	0.35	0.38	0.46	0.56	0.62	0.56	0.46	0.38	0.35	0.33	1.28	2.27	2.37	2.68	3.84	5.85	7.10

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	1318	1323	1319	1323	1321														
5	1037	1063	1102	1163	1235														
10	952	956	977	1035	1145														
15	942	937	935	959	1042														
20	921	915	905	910	965														
25	887	875	862	857	894														
30	854	825	806	801	818														
35	842	789	747	737	736														
40	761	727	689	665	649														
45	689	636	626	595	573														
50	613	562	539	530	503														
55	553	485	463	460	431														
60	561	404	390	377	360														
65	566	323	307	299	303														
70	463	236	216	217	214														
75	242	141	131	131	132														
80	85.4	64.1	59.1	60.3	58.9														
85	17.1	14.4	13.5	14.2	13.7														
90	5.85	3.84	2.68	2.37	2.27														

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: