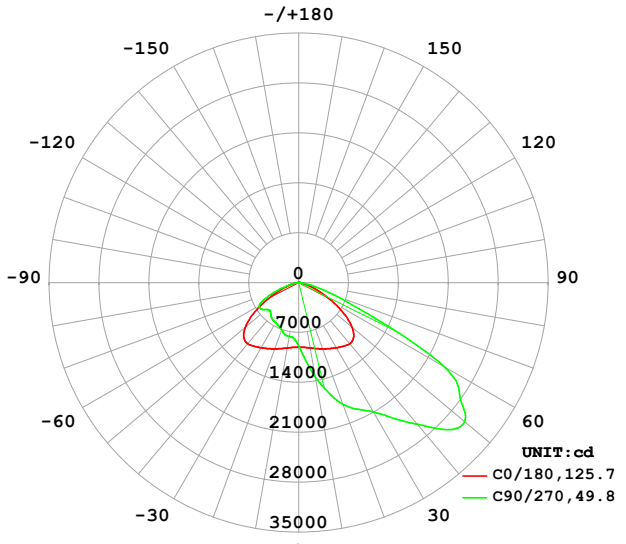
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.90V I:1.3351A P:301.10W PF:0.9810 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:51472.2x1 lm		
NAME: FL72-300(300W)-F04803	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

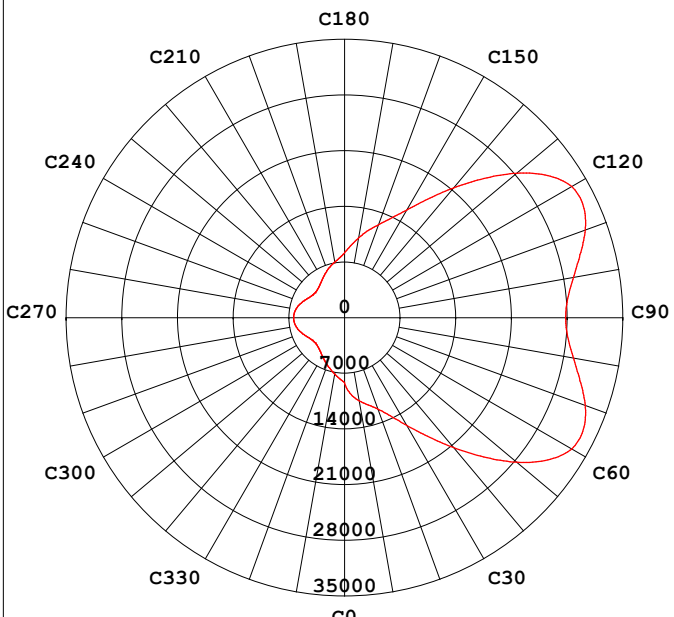
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 170.95 lm/W	
MODEL	/	Imax(cd)	32993	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	73.4
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	51472	η house_up(%)	0.0
NOMINAL FLUX(lm)	51472.2	MAXIMUM @(C,γ)	60,54.5	η house_down(%)	26.6
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	/	η down(%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



AVERAGE BEAM ANGLE(50%):87.8 DEG

MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

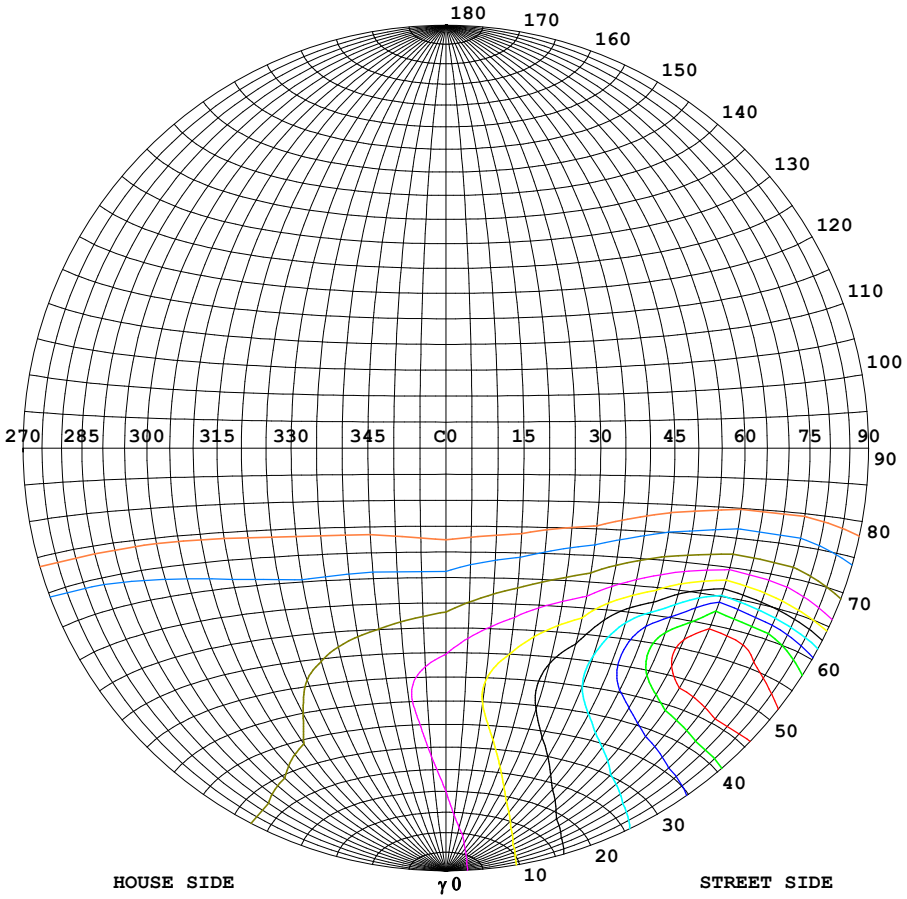


HOUSE SIDE Max @ γ = 54.5DEG STREET SIDE

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:

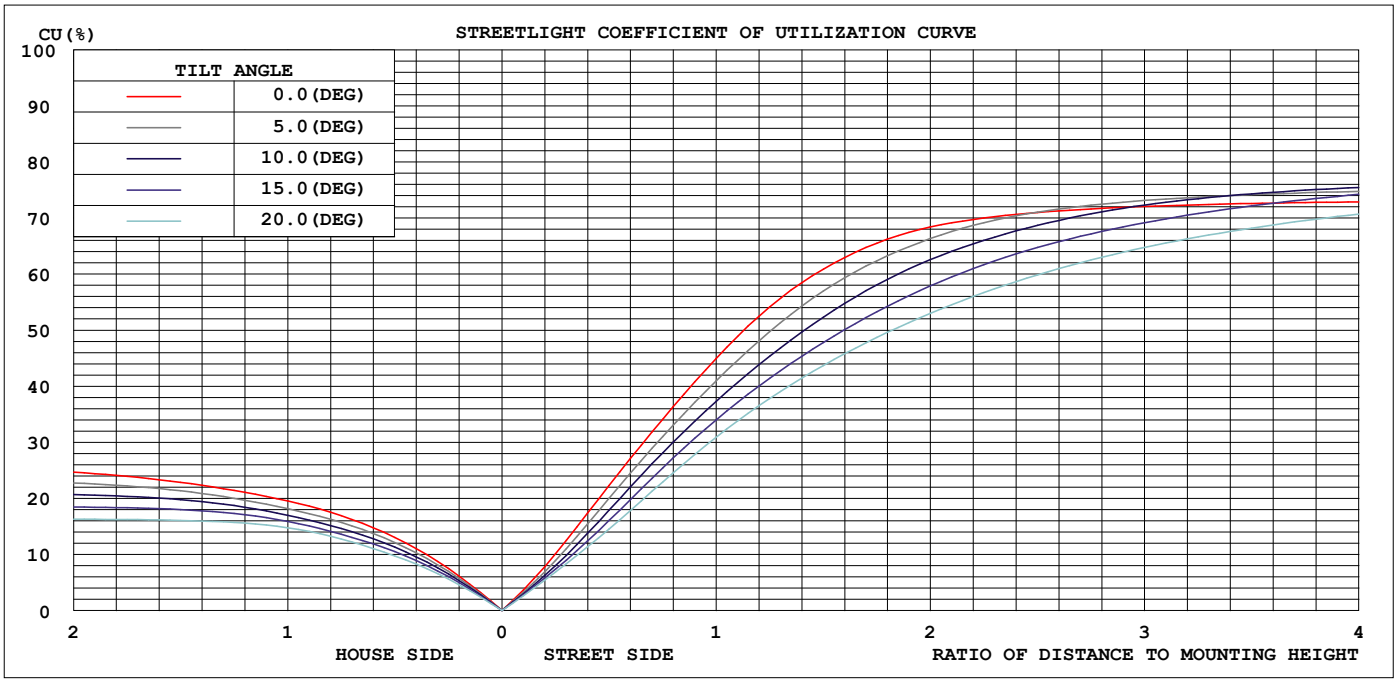
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:30.60cd/klm
Max.At90:1.732cd/klm
Max.80-90:30.60cd/klm

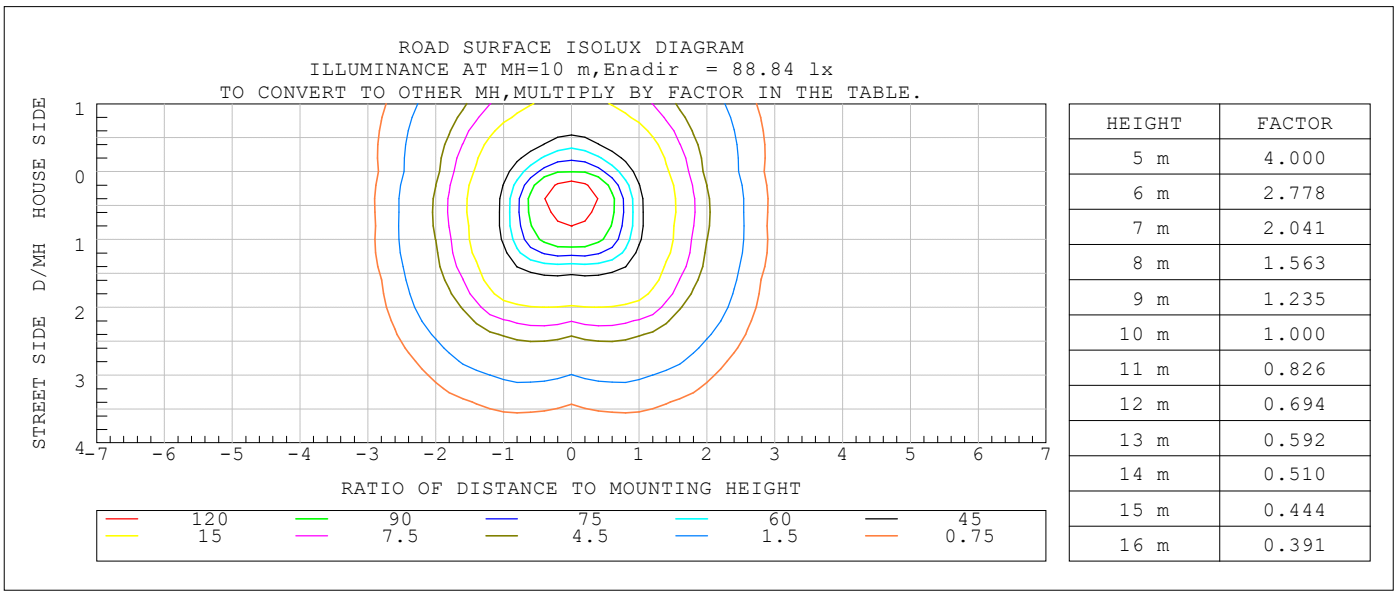
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	32993
90%	29694
80%	26395
70%	23095
60%	19796
50%	16497
40%	13197
30%	9898
20%	6599
10%	3299
5%	1650

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:

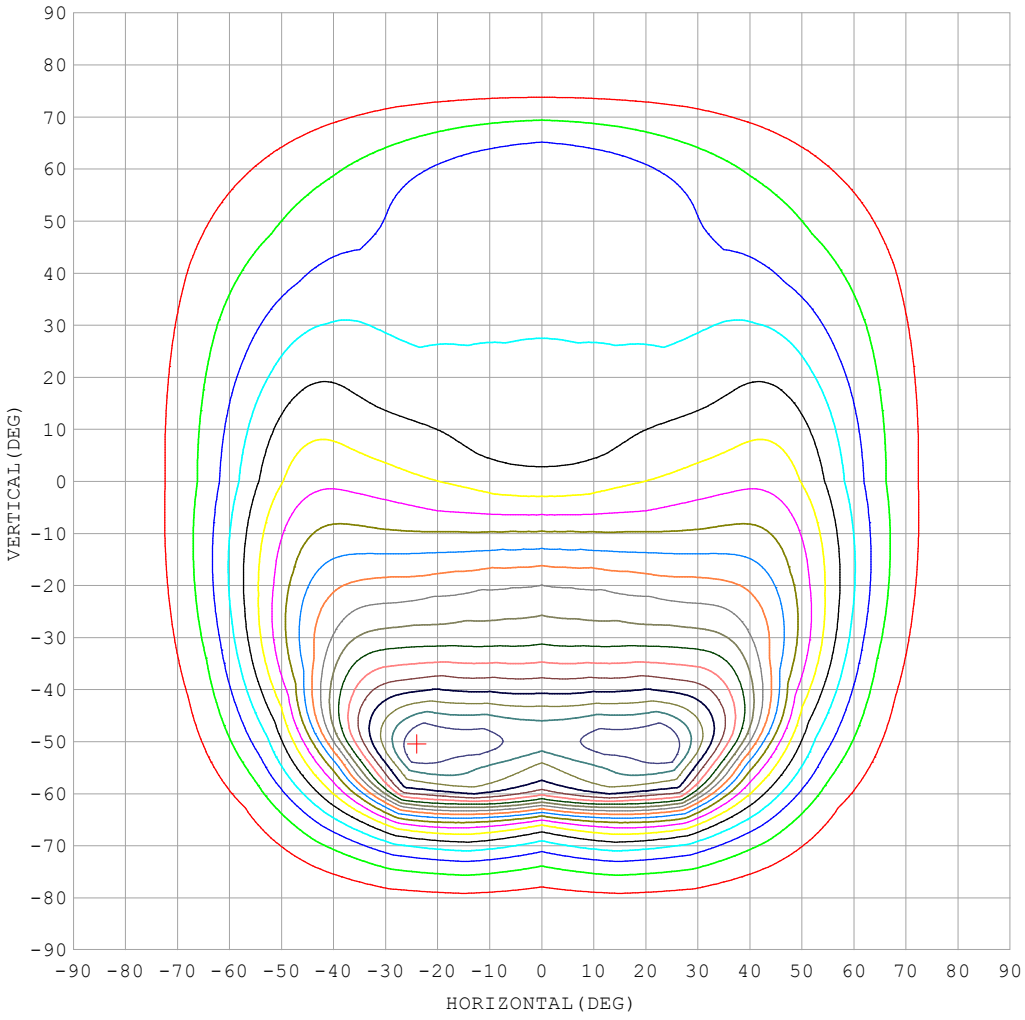
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	931.9	1188	1341	1188	931.9	779.8	768.3	779.8	0- 10	897.7	897.7	1.74,1.74
20	989.8	1527	1815	1527	989.8	760.6	705.1	760.6	10- 20	3036	3933	7.64,7.64
30	1056	1816	2095	1816	1056	685.5	650.3	685.5	20- 30	5493	9427	18.3,18.3
40	1118	2086	2594	2086	1118	624.1	607.7	624.1	30- 40	8149	17576	34.1,34.1
50	979.0	2459	3035	2459	979.0	544.4	589.5	544.4	40- 50	11121	28697	55.8,55.8
60	579.4	2042	2360	2042	579.4	428.8	638.6	428.8	50- 60	12320	41017	79.7,79.7
70	220.0	715.9	583.6	715.9	220.0	250.9	303.3	250.9	60- 70	7817	48834	94.9,94.9
80	52.69	115.7	100.6	115.7	52.69	62.83	56.84	62.83	70- 80	2364	51198	99.5,99.5
90	1.622	0.4914	0.6408	0.4914	1.622	7.536	8.403	7.536	80- 90	273.9	51472	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



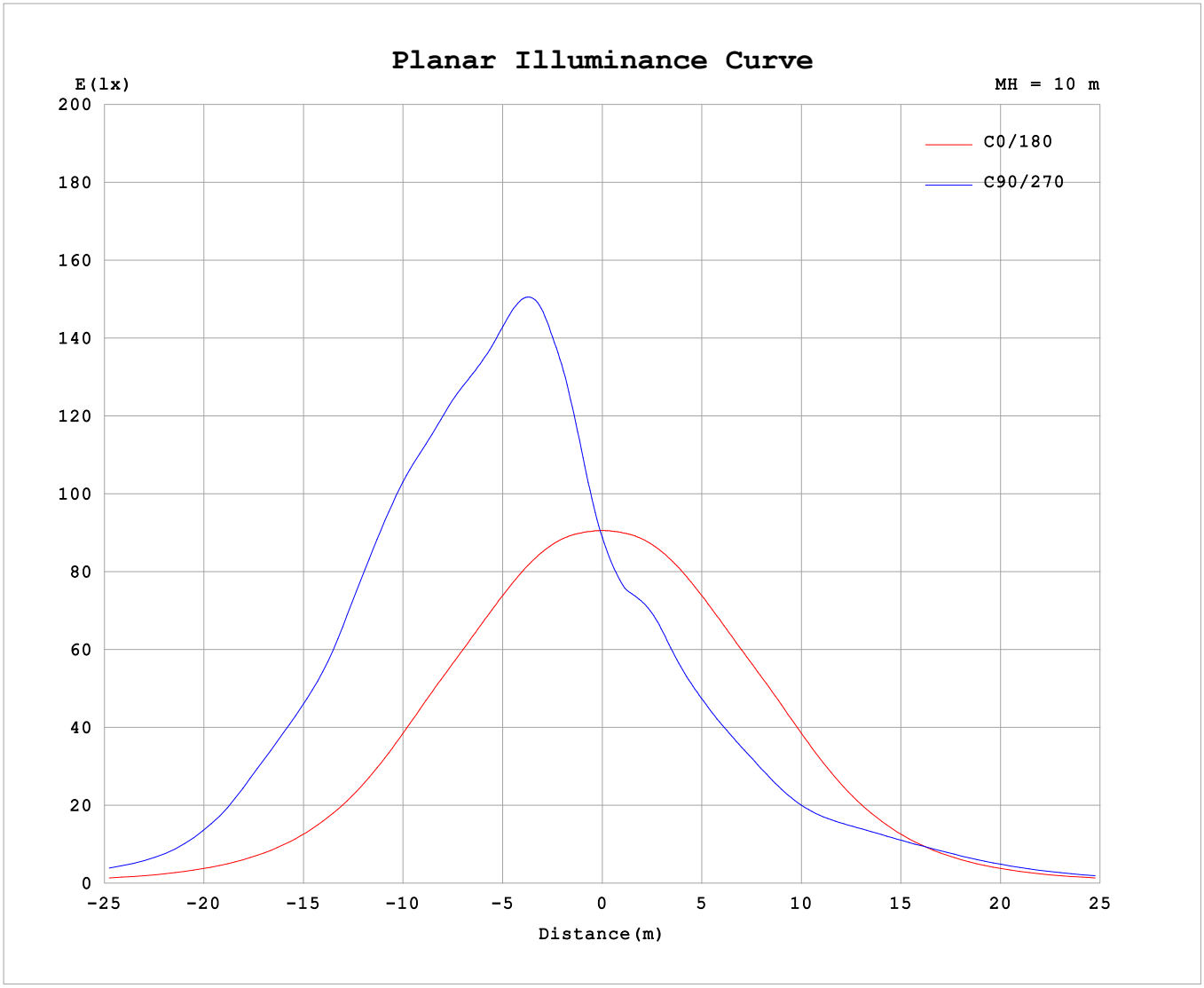
Imax:32989(H-24.0,V-50.5
(At:C=60.0,Gamma=54.5)

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



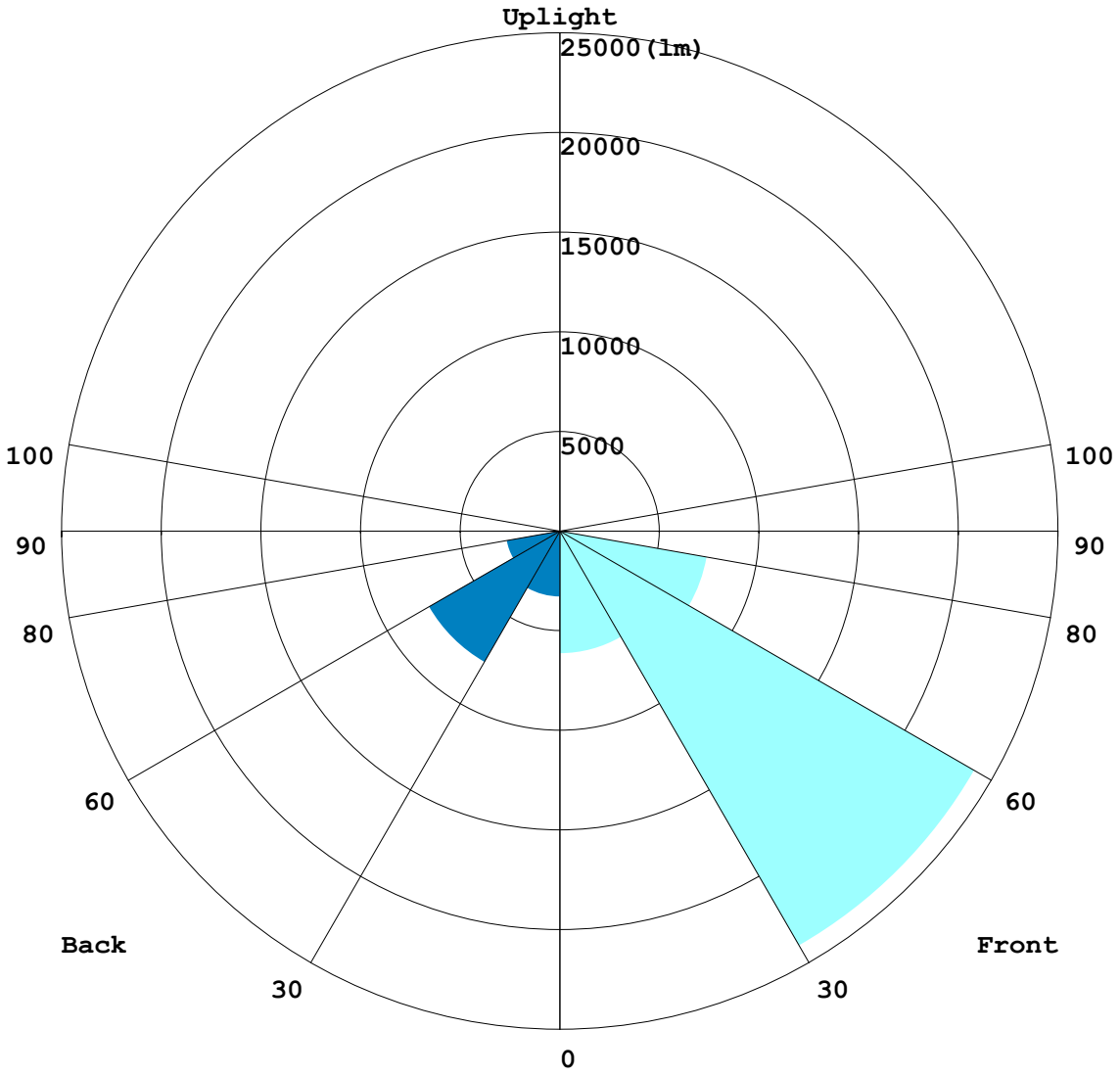
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:1.3351A P:301.10W PF:0.9810 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:51472.2x1 lm		
NAME: FL72-300(300W)-F04803	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:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:51472.2x1 lm		
NAME: FL72-300(300W)-F04803	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	6133.2	11.9
FM - Front-Medium(30-60)	24005	46.6
FH - Front-High(60-80)	7483.4	14.5
FVH - Front-Very High(80-90)	157.38	0.3
Total Forward Light	37779	73.4
BL - Back-Low(0-30)	3293.5	6.4
BM - Back-Medium(30-60)	7585.2	14.7
BH - Back-High(60-80)	2698	5.2
BVH - Back-Very High(80-90)	116.51	0.2
Total Back Light	13693	26.6
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	13693	0	13693
Street Side	37779	0	37779

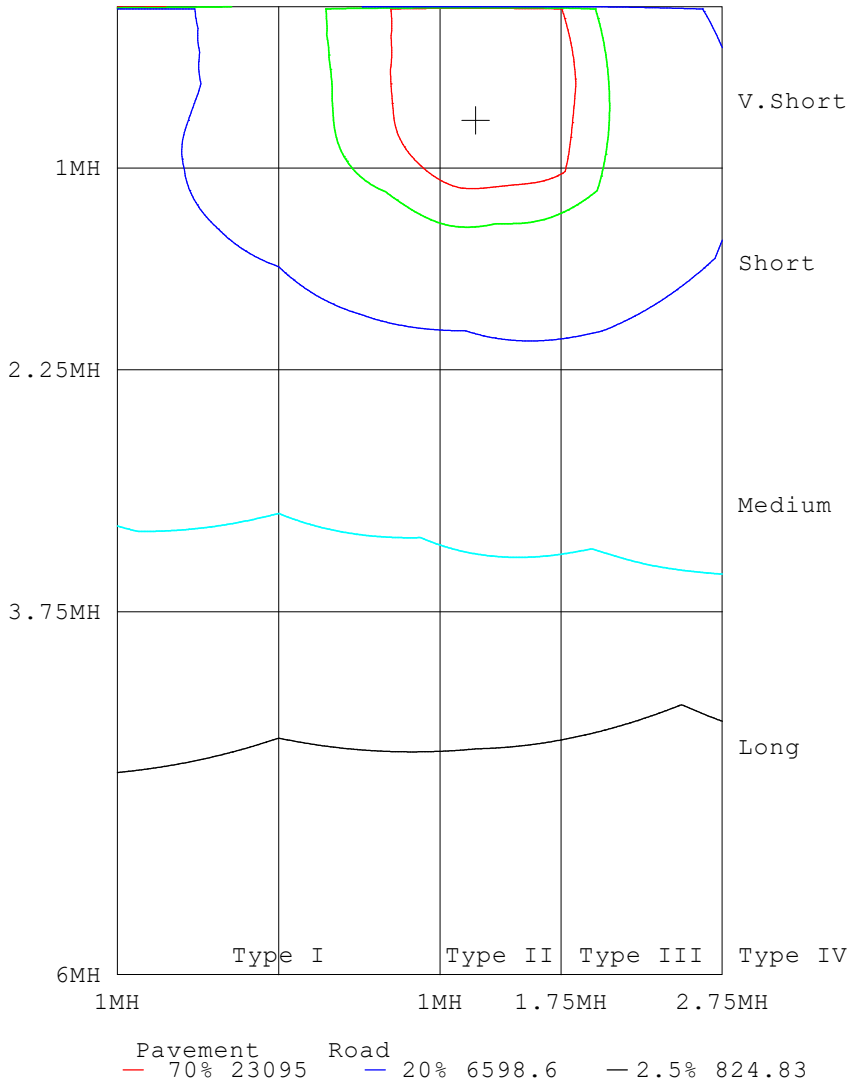
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:51472.2x1 lm		
NAME: FL72-300(300W)-F04803	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	906	889	889	888	889	887	889	887	889	888	889	889	906	889	889	888	889	887	889
5	913	934	977	1016	1053	1073	1085	1073	1053	1016	977	934	913	862	835	813	800	791	789
10	932	996	1092	1188	1272	1320	1341	1320	1272	1188	1092	996	932	852	806	780	772	769	768
15	959	1066	1220	1368	1482	1548	1587	1548	1482	1368	1220	1066	959	853	803	780	765	756	755
20	990	1139	1345	1527	1689	1775	1815	1775	1689	1527	1345	1139	990	862	808	761	728	709	705
25	1023	1214	1459	1685	1851	1926	1961	1926	1851	1685	1459	1214	1023	879	793	720	685	671	670
30	1056	1289	1568	1816	1974	2053	2095	2053	1974	1816	1568	1289	1056	888	765	686	656	648	650
35	1091	1363	1680	1937	2129	2264	2323	2264	2129	1937	1680	1363	1091	892	743	655	631	632	637
40	1118	1423	1778	2086	2389	2553	2594	2553	2389	2086	1778	1423	1118	904	728	624	603	604	608
45	1091	1422	1823	2289	2706	2909	2917	2909	2706	2289	1823	1422	1091	887	709	589	559	561	568
50	979	1317	1762	2459	3099	3185	3035	3185	3099	2459	1762	1317	979	806	650	544	516	561	589
55	797	1111	1534	2464	3298	3031	2756	3031	3298	2464	1534	1111	797	661	550	485	517	604	646
60	579	845	1166	2042	2895	2769	2360	2769	2895	2042	1166	845	579	500	438	429	505	584	639
65	370	550	777	1259	2023	1596	1176	1596	2023	1259	777	550	370	362	338	359	411	461	499
70	220	288	451	716	928	825	584	825	928	716	451	288	220	240	236	251	272	292	303
75	120	136	185	333	426	401	279	401	426	333	185	136	120	138	138	144	143	139	135
80	52.7	56.5	59.5	116	157	148	101	148	157	116	59.5	56.5	52.7	61.7	60.6	62.8	61.9	59.3	56.8
85	11.6	11.8	11.1	16.8	25.1	24.5	17.5	24.5	25.1	16.8	11.1	11.8	11.6	14.2	14.5	15.5	16.0	16.0	15.8
90	1.62	0.40	0.43	0.49	0.55	0.61	0.64	0.61	0.55	0.49	0.43	0.40	1.62	3.60	5.29	7.54	8.92	8.84	8.40

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	887	889	888	889	889														
5	791	800	813	835	862														
10	769	772	780	806	852														
15	756	765	780	803	853														
20	709	728	761	808	862														
25	671	685	720	793	879														
30	648	656	686	765	888														
35	632	631	655	743	892														
40	604	603	624	728	904														
45	561	559	589	709	887														
50	561	516	544	650	806														
55	604	517	485	550	661														
60	584	505	429	438	500														
65	461	411	359	338	362														
70	292	272	251	236	240														
75	139	143	144	138	138														
80	59.3	61.9	62.8	60.6	61.7														
85	16.0	16.0	15.5	14.5	14.2														
90	8.84	8.92	7.54	5.29	3.60														

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: