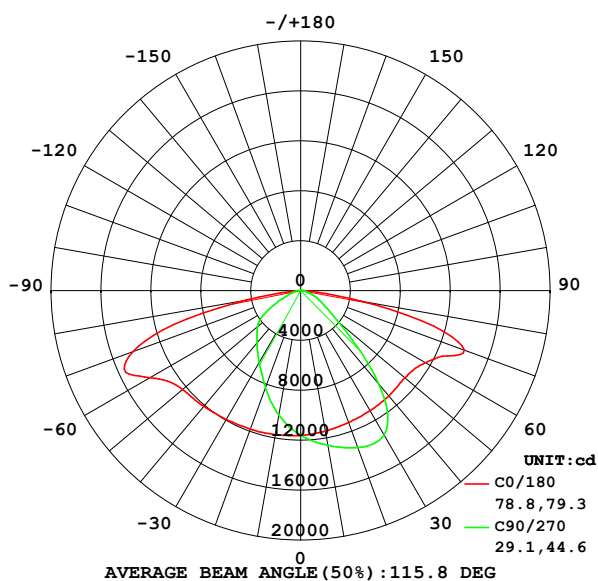
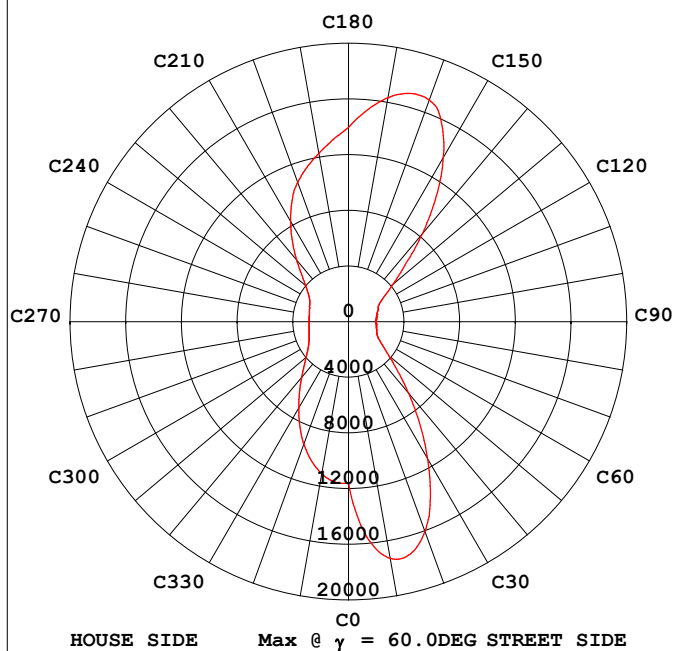


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.67V I:2.3251A P:275.85W PF:0.9997 Freq:60.01Hz Lamp Flux:40310.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 145.79 lm/W			
MODEL	AL-300WS-3CS-T2	Imax (cd)	16638	η street_up (%)	0.0
NOMINAL POWER (W)	300	LOR (%)	99.8	η street_down (%)	56.9
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	40216	η house_up (%)	0.0
NOMINAL FLUX (lm)	40310.1	MAXIMUM @ (C, γ)	158,60.0	η house_down (%)	42.9
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	26.061

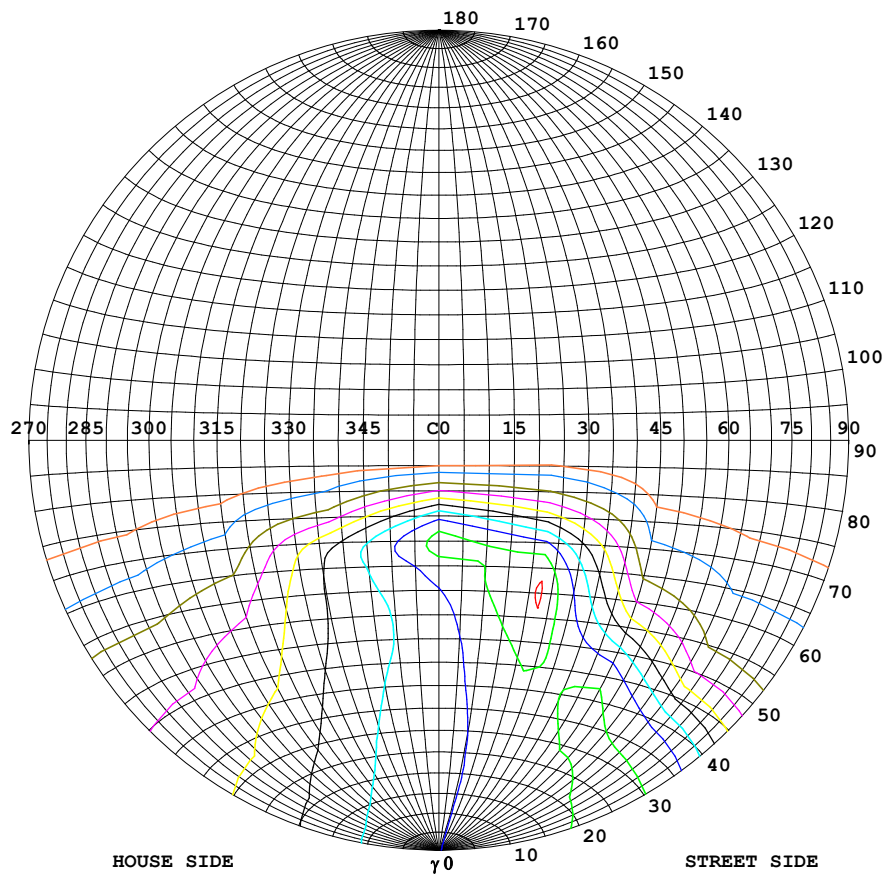
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.4 °C
Operators:DAMIN
Test Date:2024-12-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4295]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:118.67V I:2.3251A P:275.85W PF:0.9997 Freq:60.01Hz Lamp Flux:40310.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



Classification:

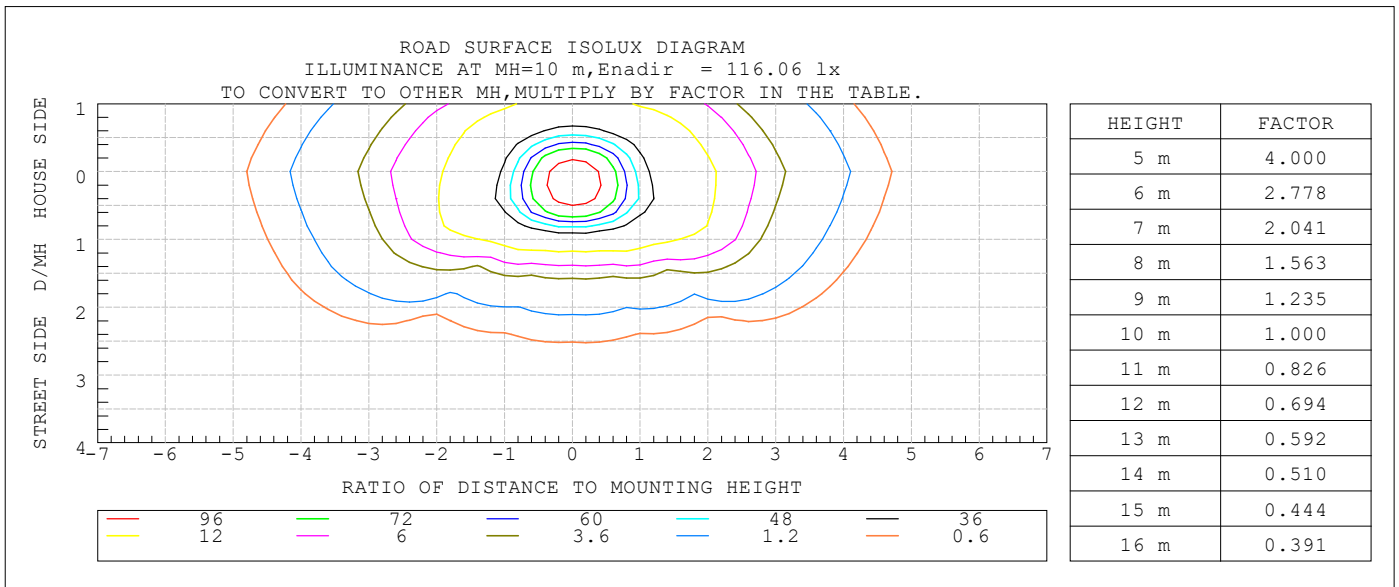
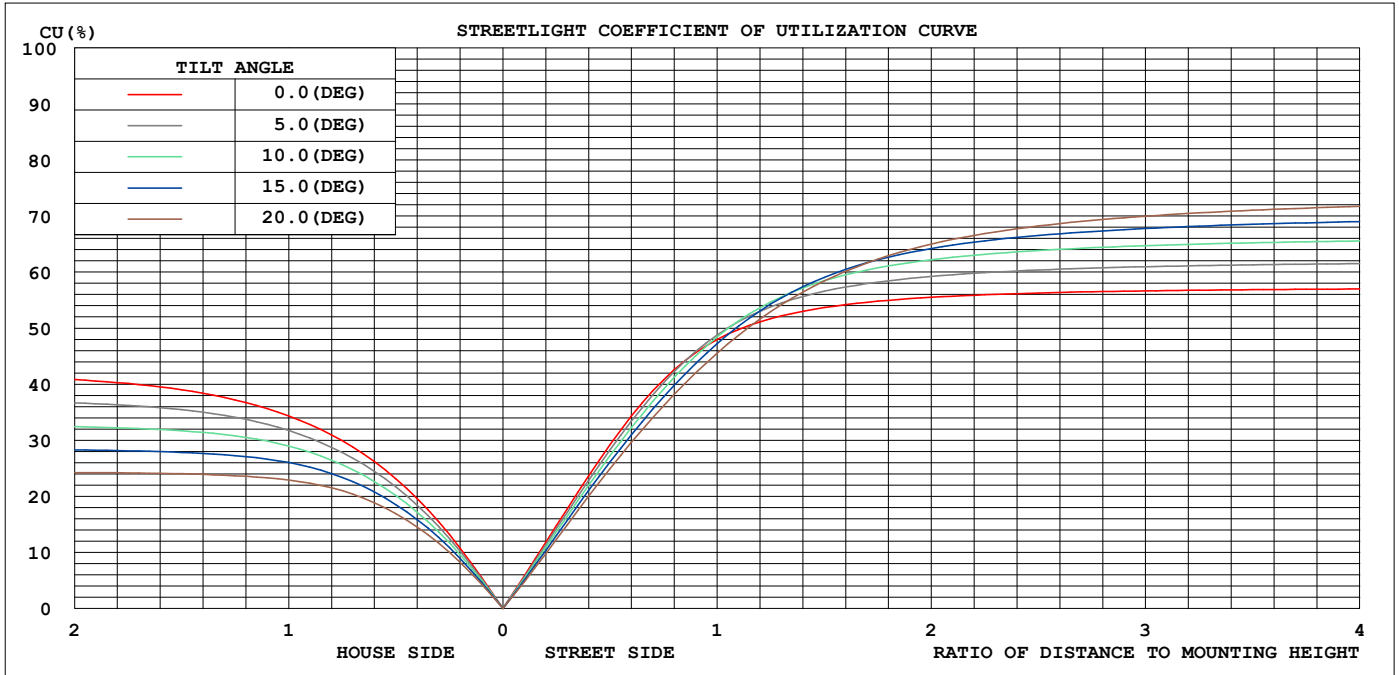
IES:Type II - Short
CIE:Narrow - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:125.2cd/klm
Max.At90:0cd/klm
Max.80-90:125.2cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	16638
90%	14974
80%	13310
70%	11646
60%	9983
50%	8319
40%	6655
30%	4991
20%	3328
10%	1664
5%	832

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.4℃
Operators:DAMIN
Test Date:2024-12-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4295]
Remarks:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.4 °C
Operators: DAMIN
Test Date: 2024-12-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance: 26.000m [K=0.4295]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:118.67V I:2.3251A P:275.85W PF:0.9997 Freq:60.01Hz Lamp Flux:40310.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

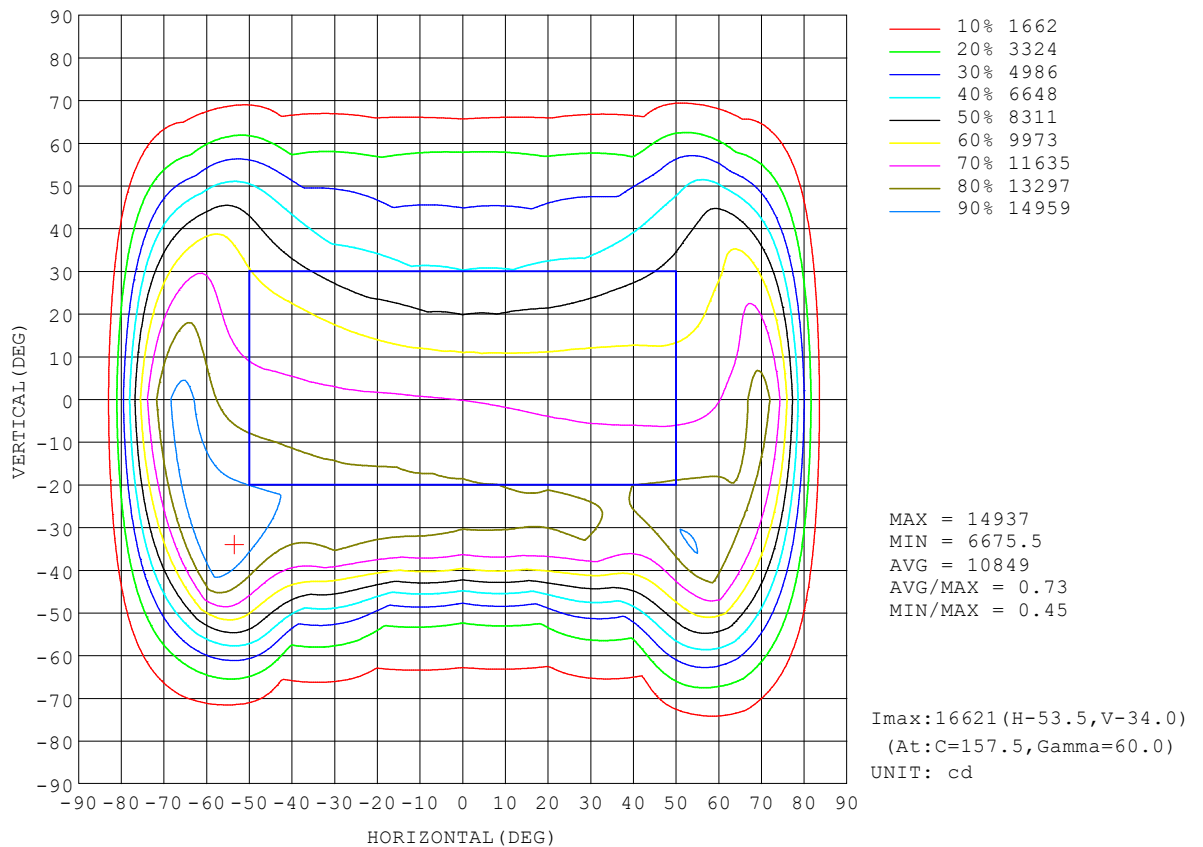
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1144	1222	1259	1242	1172	1071	1013	1054	0- 10	1101	1101	2.74,2.73
20	1126	1276	1339	1314	1182	963.0	826.5	939.8	10- 20	3212	4313	10.7,10.7
30	1112	1338	1336	1400	1193	853.0	667.4	818.4	20- 30	5117	9430	23.4,23.4
40	1101	1363	972.8	1429	1211	736.4	545.7	695.3	30- 40	6625	16055	39.9,39.8
50	1091	1059	406.1	1132	1236	622.0	453.9	579.5	40- 50	7140	23195	57.7,57.5
60	1157	499.1	196.1	573.0	1396	474.7	283.7	452.9	50- 60	6850	30045	74.7,74.5
70	1394	194.1	99.92	212.2	1429	219.5	107.0	215.4	60- 70	6182	36227	90.1,89.9
80	504.6	57.62	39.05	54.38	441.9	58.38	42.14	61.06	70- 80	3481	39708	98.7,98.5
90	0	0	0	0	0	0	0	0	80- 90	507.9	40216	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	40216	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	40216	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	40216	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	40216	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	40216	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	40216	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	40216	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	40216	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	40216	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.4℃
Operators:DAMIN
Test Date:2024-12-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4295]
Remarks:

ISOCANDELA DIAGRAM

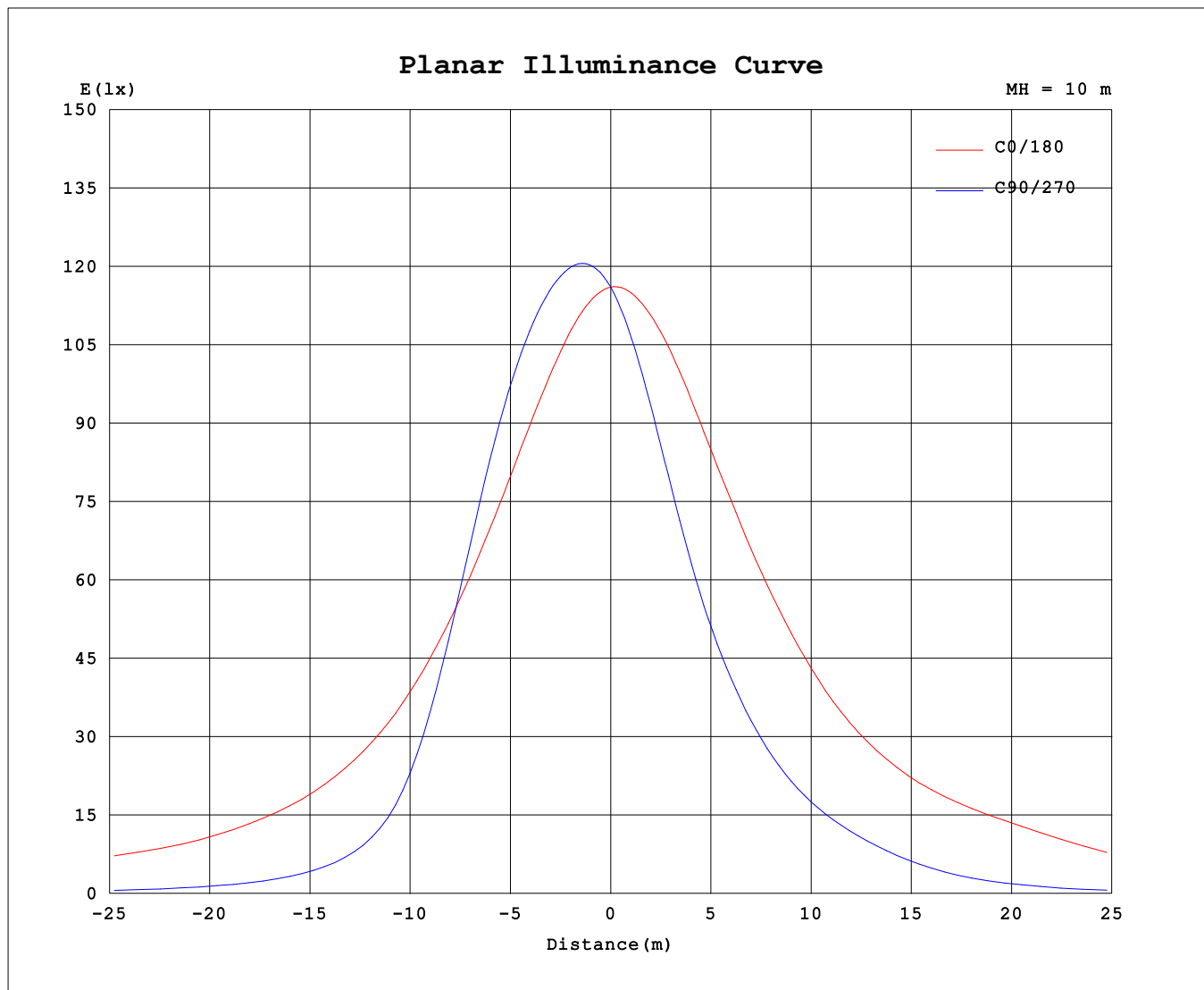
Test:U:118.67V I:2.3251A P:275.85W PF:0.9997 Freq:60.01Hz Lamp Flux:40310.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.4 °C
Operators:DAMIN
Test Date:2024-12-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4295]
Remarks:

Planar Illuminance Curve



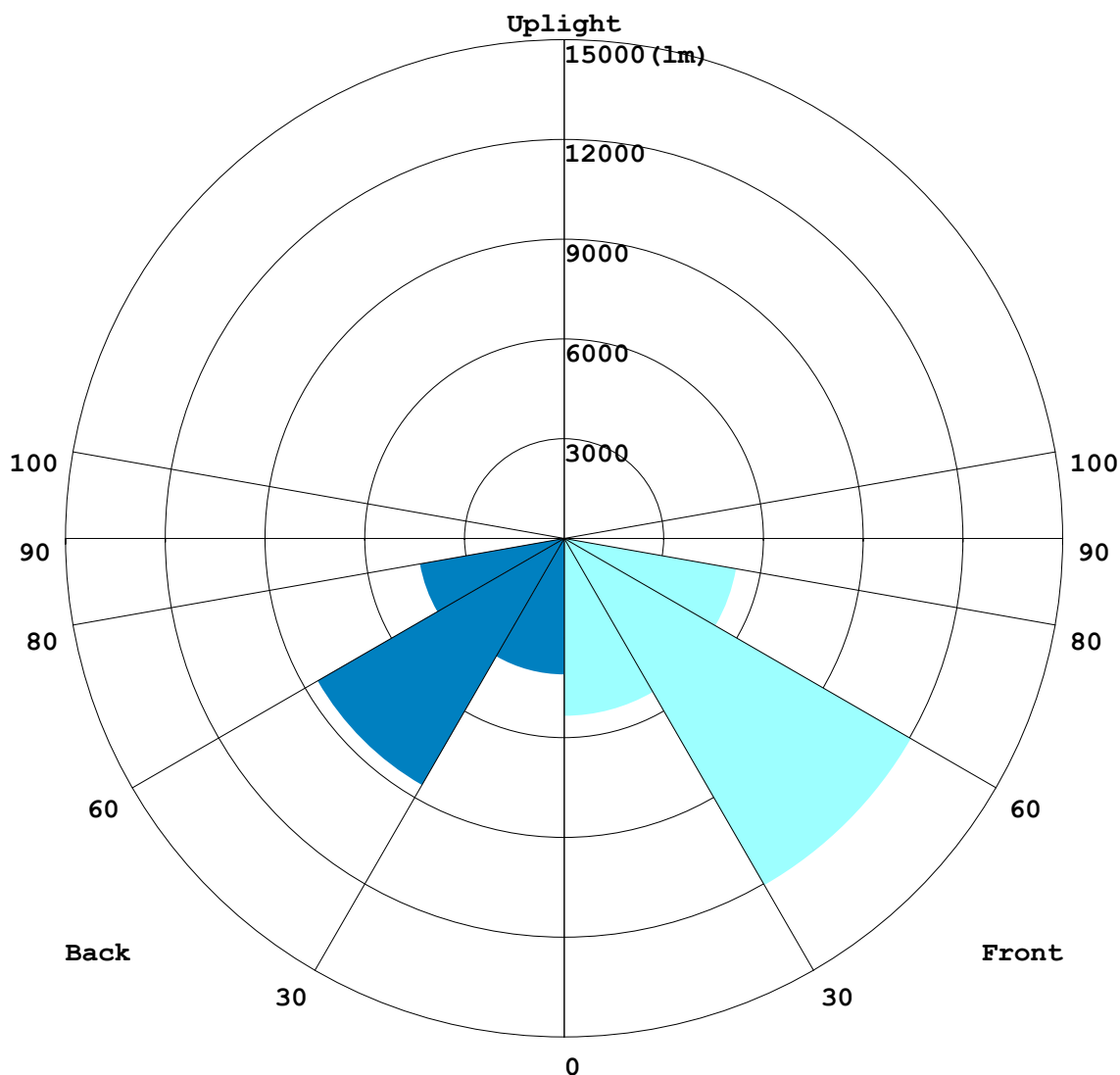
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.4 °C
Operators: DAMIN
Test Date: 2024-12-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance: 26.000m [K=0.4295]
Remarks:

LCS REPORT

Test:U:118.67V I:2.3251A P:275.85W PF:0.9997 Freq:60.01Hz Lamp Flux:40310.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.4℃
Operators:DAMIN
Test Date:2024-12-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4295]
Remarks:

BUG REPORT

Test:U:118.67V I:2.3251A P:275.85W PF:0.9997 Freq:60.01Hz Lamp Flux:40310.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: TamLite lighting	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	5339.5	13.3
FM - Front-Medium(30-60)	12045	30.0
FH - Front-High(60-80)	5255.8	13.1
FVH - Front-Very High(80-90)	295.07	0.7
Total Forward Light	22935	57.0

BL - Back-Low(0-30)	4090.3	10.2
BM - Back-Medium(30-60)	8570.4	21.3
BH - Back-High(60-80)	4406.7	11.0
BVH - Back-Very High(80-90)	212.88	0.5
Total Back Light	17280	43.0

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	B5-U0-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	17280	0	17280
Street Side	22935	0	22935

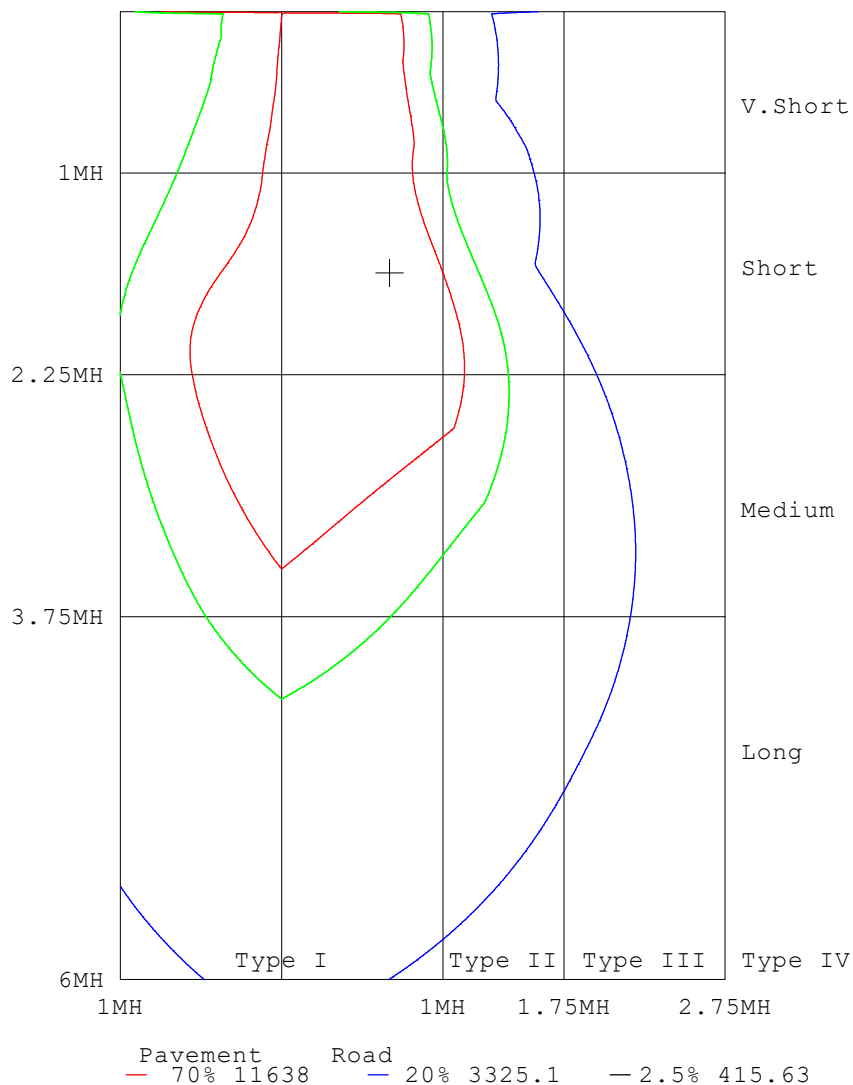
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.4℃
Operators:DAMIN
Test Date:2024-12-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4295]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:118.67V I:2.3251A P:275.85W PF:0.9997 Freq:60.01Hz Lamp Flux:40310.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.4℃
Operators:DAMIN
Test Date:2024-12-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4295]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:118.67V I:2.3251A P:275.85W PF:0.9997 Freq:60.01Hz Lamp Flux:40310.1x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: TamLite lighting									SUR.:						Shielding Angle:		

Table--1

UNIT: X10cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160			
5	1152	1174	1193	1207	1213	1213	1204	1188	1167	1143	1120	1102	1094	1097	1110	1130			
10	1144	1185	1222	1247	1259	1259	1242	1213	1172	1123	1071	1031	1013	1023	1054	1098			
15	1134	1195	1248	1286	1302	1301	1277	1235	1178	1103	1018	949	922	942	998	1068			
20	1126	1203	1276	1321	1339	1340	1314	1256	1182	1086	963	864	826	856	940	1041			
25	1119	1215	1305	1347	1359	1374	1357	1280	1186	1071	909	782	739	772	880	1015			
30	1112	1230	1338	1348	1336	1379	1400	1306	1193	1060	853	708	667	697	818	991			
35	1107	1255	1368	1286	1217	1311	1434	1341	1201	1050	795	641	603	631	757	970			
40	1101	1292	1363	1108	973	1123	1429	1393	1211	1041	736	577	546	570	695	949			
45	1093	1342	1274	811	652	823	1336	1464	1221	1027	678	520	497	517	636	925			
50	1091	1404	1059	504	406	519	1132	1543	1236	1011	622	469	454	470	579	900			
55	1107	1474	765	323	273	336	853	1624	1279	1008	562	403	388	409	523	885			
60	1157	1514	499	223	196	234	573	1664	1396	1022	475	304	284	307	453	886			
65	1250	1436	313	159	147	163	358	1581	1548	983	347	205	182	206	336	884			
70	1394	1186	194	115	99.9	116	212	1200	1429	744	220	129	107	128	215	782			
75	1105	748	116	73.6	63.5	72.9	119	632	1054	403	128	78.5	69.6	78.1	129	432			
80	505	339	57.6	40.6	39.1	40.1	54.4	246	442	161	58.4	43.1	42.1	43.4	61.1	171			
85	80.4	88.8	18.5	15.6	17.1	15.4	16.8	57.6	63.9	35.5	13.1	13.6	14.1	14.3	14.4	41.3			
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.4℃
Operators:DAMIN
Test Date:2024-12-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4295]
Remarks: