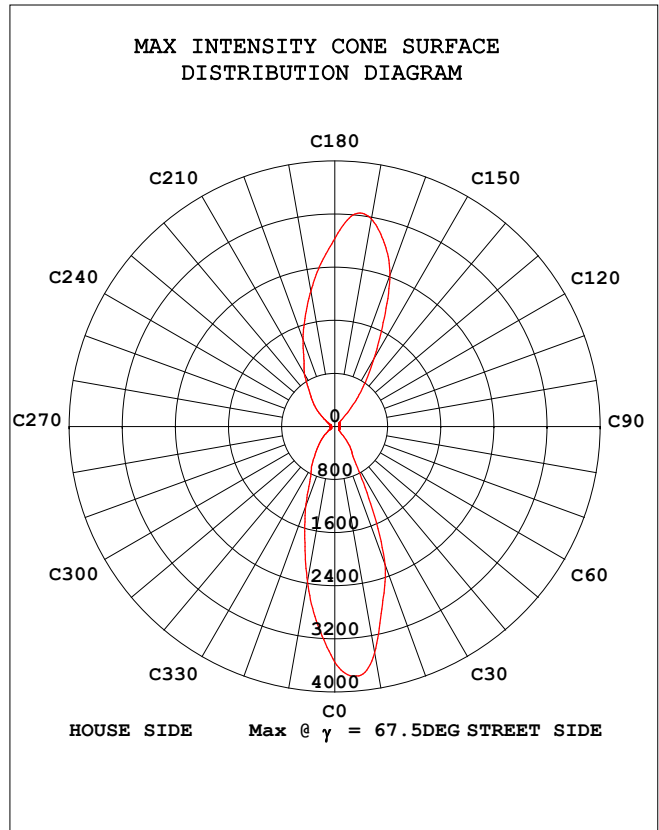
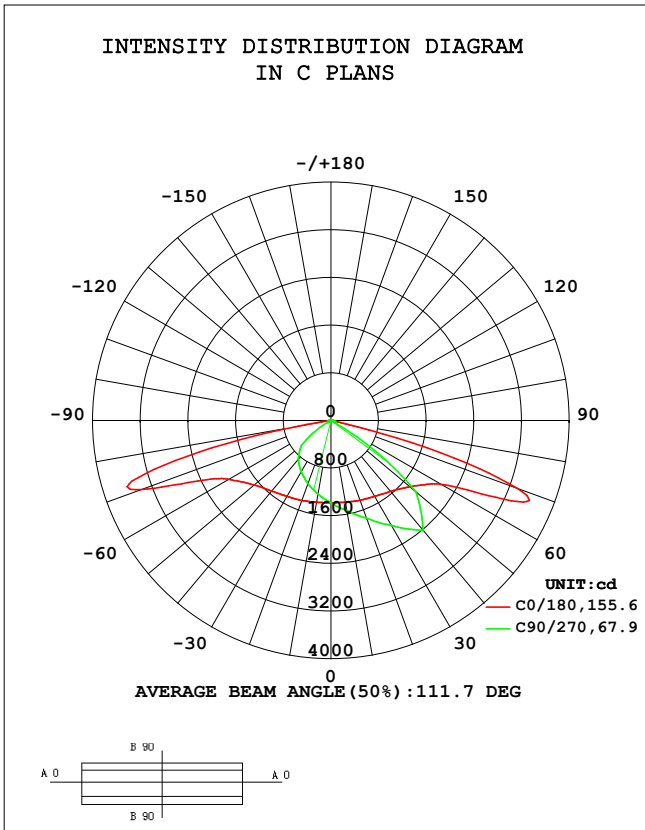


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:219.8V I:0.1326A P:29.15W PF:0.9713 Lamp Flux:5931.54x1 lm		
NAME: 30W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 203.46 lm/W			
MODEL	30W	I <sub>max</sub> (cd)	3773	η street_up (%)	0.0
NOMINAL POWER (W)	30W	LOR (%)	100.0	η street_down (%)	61.9
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	5932	η house_up (%)	0.0
NOMINAL FLUX (lm)	5931.54	MAXIMUM @ (C, γ )	5,67.5	η house_down (%)	38.1
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	220.0	η down (%)	100.0	SLI	



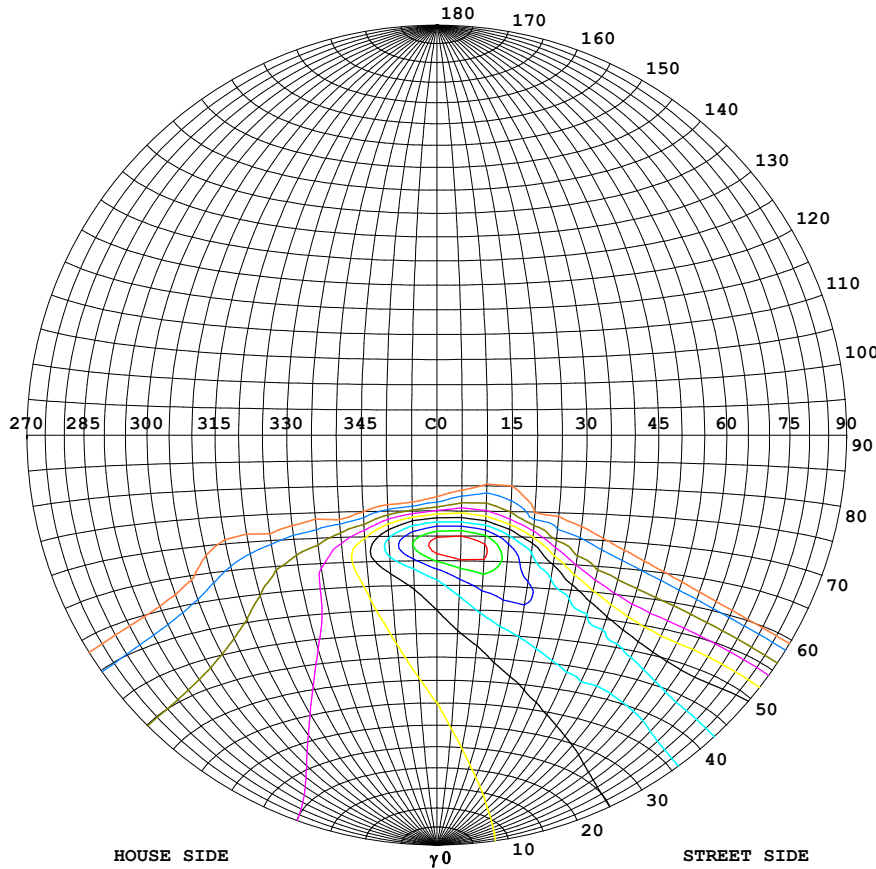
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2024-06-11

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity: 65.0%  
 Test Distance: 9.750m [K=1.0000]  
 Remarks:

Note: SLI: Specific Luminaire Index

**STREETLIGHT ISOCANDELA DIAGRAM**

Test:U:219.8V I:0.1326A P:29.15W PF:0.9713 Lamp Flux:5931.54x1 lm		
NAME: 30W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		



**Classification:**

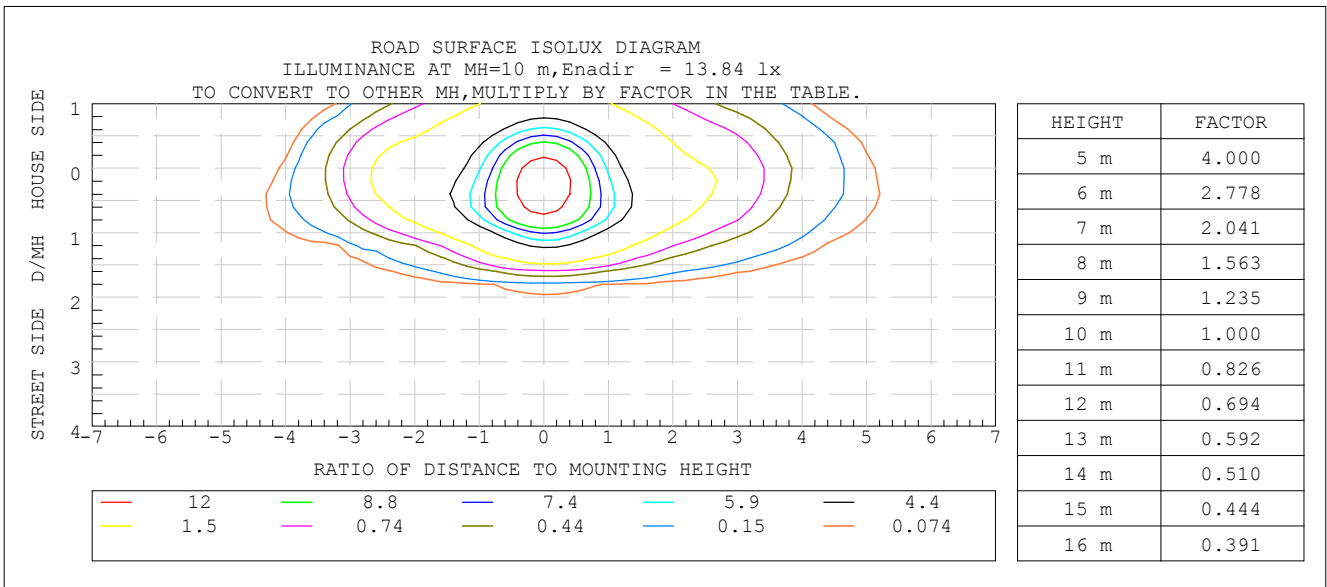
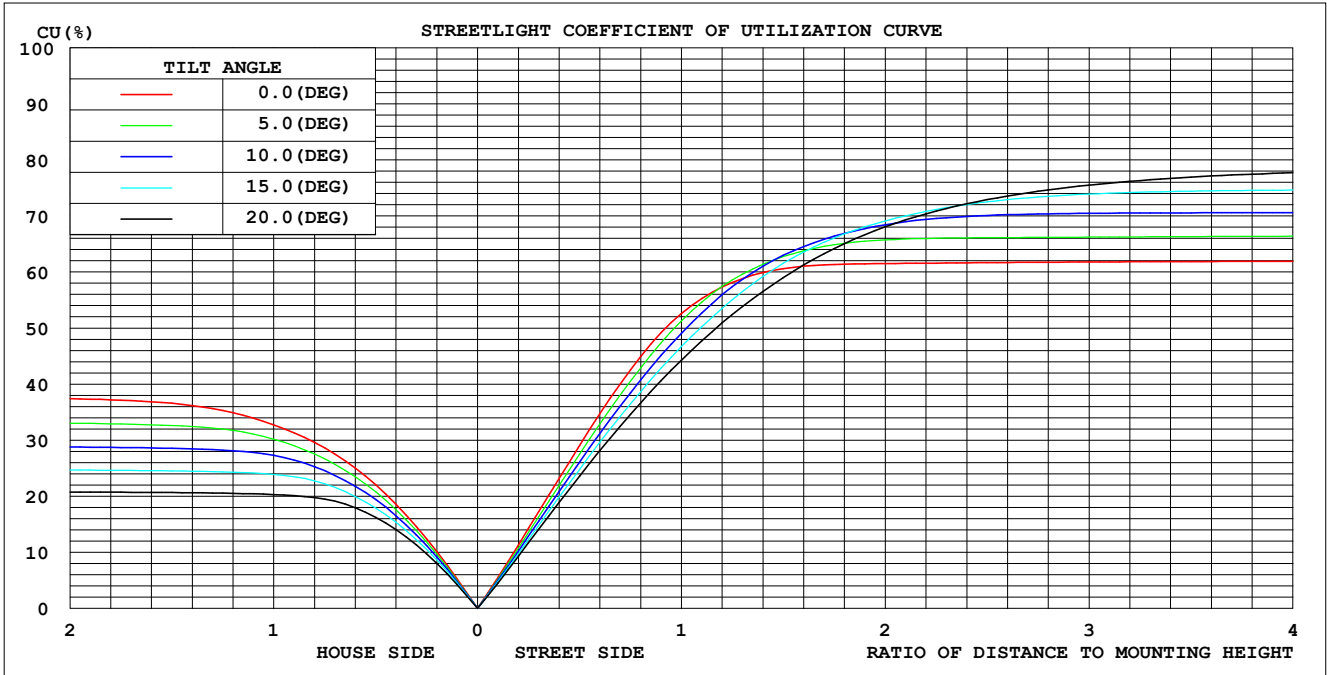
IES:Type II - Medium  
 CIE:Narrow - Intermediate  
 IES:Semi cut-off  
 CIE:Non-cut-off  
 Max.At80:138.7cd/klm  
 Max.At90:1.073cd/klm  
 Max.80-90:138.7cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	3773
90%	3396
80%	3019
70%	2641
60%	2264
50%	1887
40%	1509
30%	1132
20%	755
10%	377
5%	189

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2024-06-11

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:9.750m [K=1.0000]  
 Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2024-06-11

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 9.750m [K=1.0000]  
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.8V I:0.1326A P:29.15W PF:0.9713 Lamp Flux:5931.54x1 lm		
NAME: 30W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		

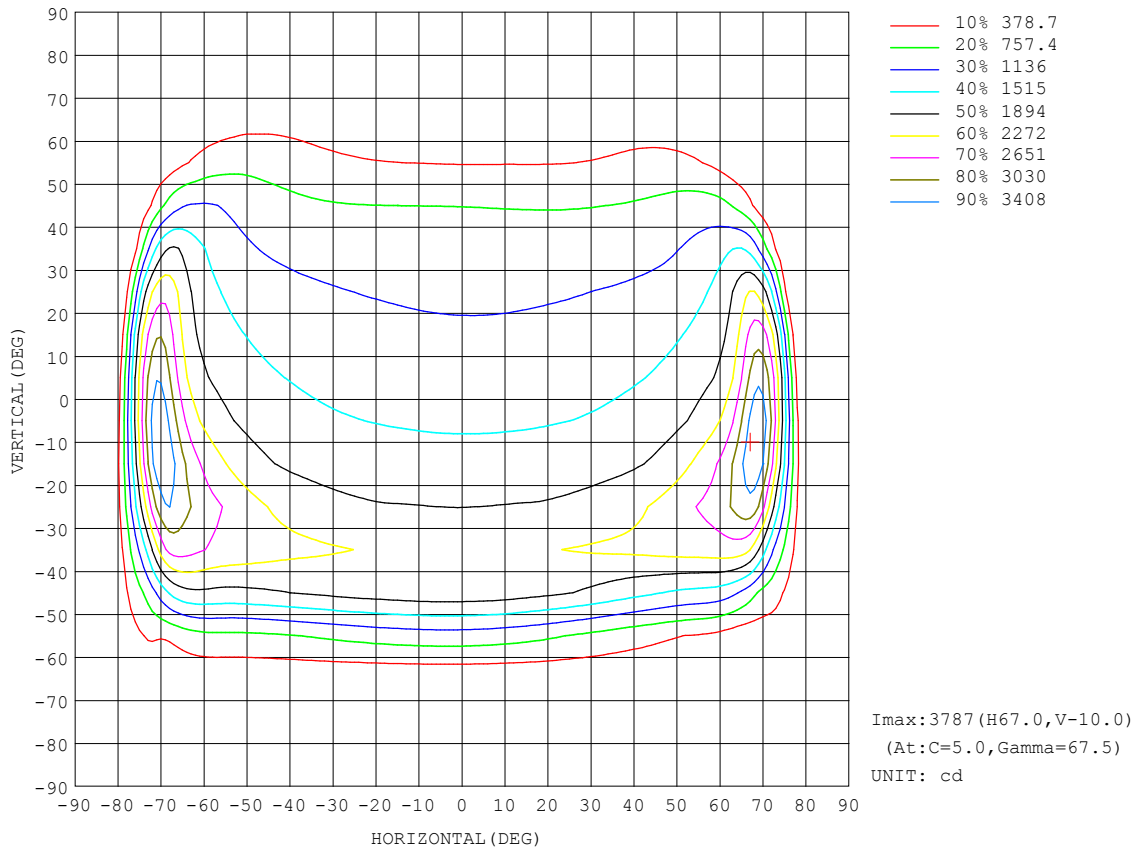
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	#lum,lamp
5	1385	1438	1460	1439	1386	1340	1320	1338	0- 5	33.15	33.15	0.56,0.56
10	1395	1496	1536	1497	1395	1300	1256	1297	5- 10	99.65	132.8	2.24,2.24
15	1409	1561	1639	1562	1411	1263	1193	1259	10- 15	166.7	299.5	5.05,5.05
20	1427	1642	1742	1643	1431	1228	1131	1222	15- 20	234.6	534.1	9,9
25	1446	1726	1888	1725	1451	1194	1065	1187	20- 25	303.6	837.7	14.1,14.1
30	1473	1853	2035	1835	1474	1154	999.7	1144	25- 30	374.7	1212	20.4,20.4
35	1509	2028	2221	1987	1506	1102	927.6	1089	30- 35	448.3	1661	28,28
40	1556	2216	2407	2159	1550	1043	855.5	1025	35- 40	524.7	2185	36.8,36.8
45	1630	2318	2133	2303	1603	967.9	751.8	942.8	40- 45	592.5	2778	46.8,46.8
50	1733	2350	1860	2409	1687	884.3	648.0	848.4	45- 50	631.1	3409	57.5,57.5
55	1890	1667	972.6	1919	1805	799.7	360.8	763.3	50- 55	626.1	4035	68,68
60	2148	925.0	85.73	1325	1981	702.4	73.72	657.0	55- 60	553.2	4588	77.4,77.4
65	3059	373.7	71.58	540.2	2377	514.7	63.90	415.6	60- 65	470.8	5059	85.3,85.3
70	3330	72.93	57.43	91.44	3404	316.6	54.09	209.5	65- 70	437.2	5496	92.7,92.7
75	1156	52.37	46.16	66.01	2905	81.81	36.66	56.87	70- 75	308.0	5804	97.9,97.9
80	32.66	38.84	34.90	49.03	563.8	33.23	19.22	22.29	75- 80	104.6	5909	99.6,99.6
85	11.57	12.87	0	16.44	27.27	7.514	0	4.755	80- 85	20.25	5929	100,100
90	4.203	0	0	0	6.362	0	0	0	85- 90	2.285	5932	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2024-06-11

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:9.750m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

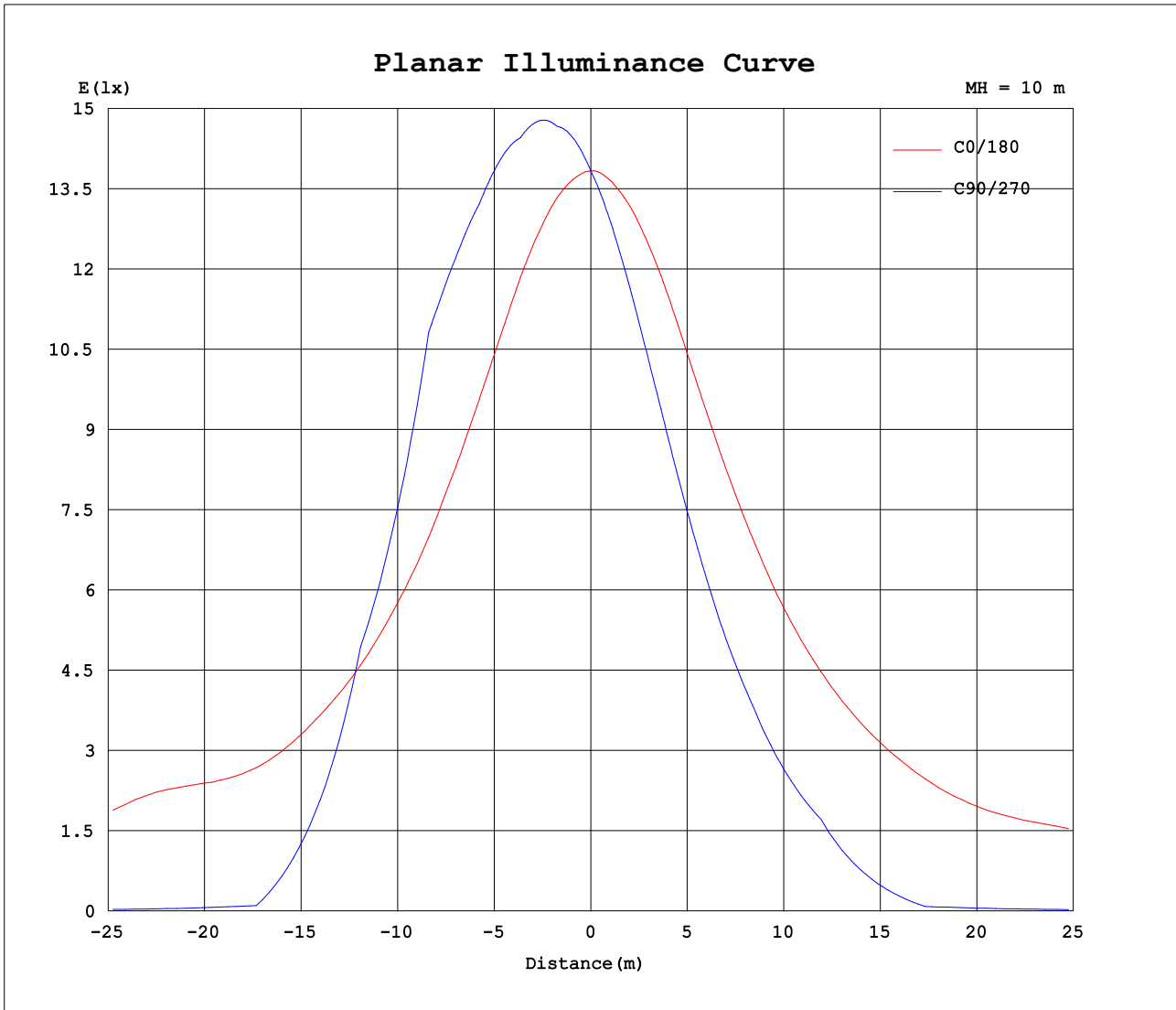
Test:U:219.8V I:0.1326A P:29.15W PF:0.9713 Lamp Flux:5931.54x1 lm		
NAME: 30W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-06-11

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:9.750m [K=1.0000]  
Remarks:

Planar Illuminance Curve



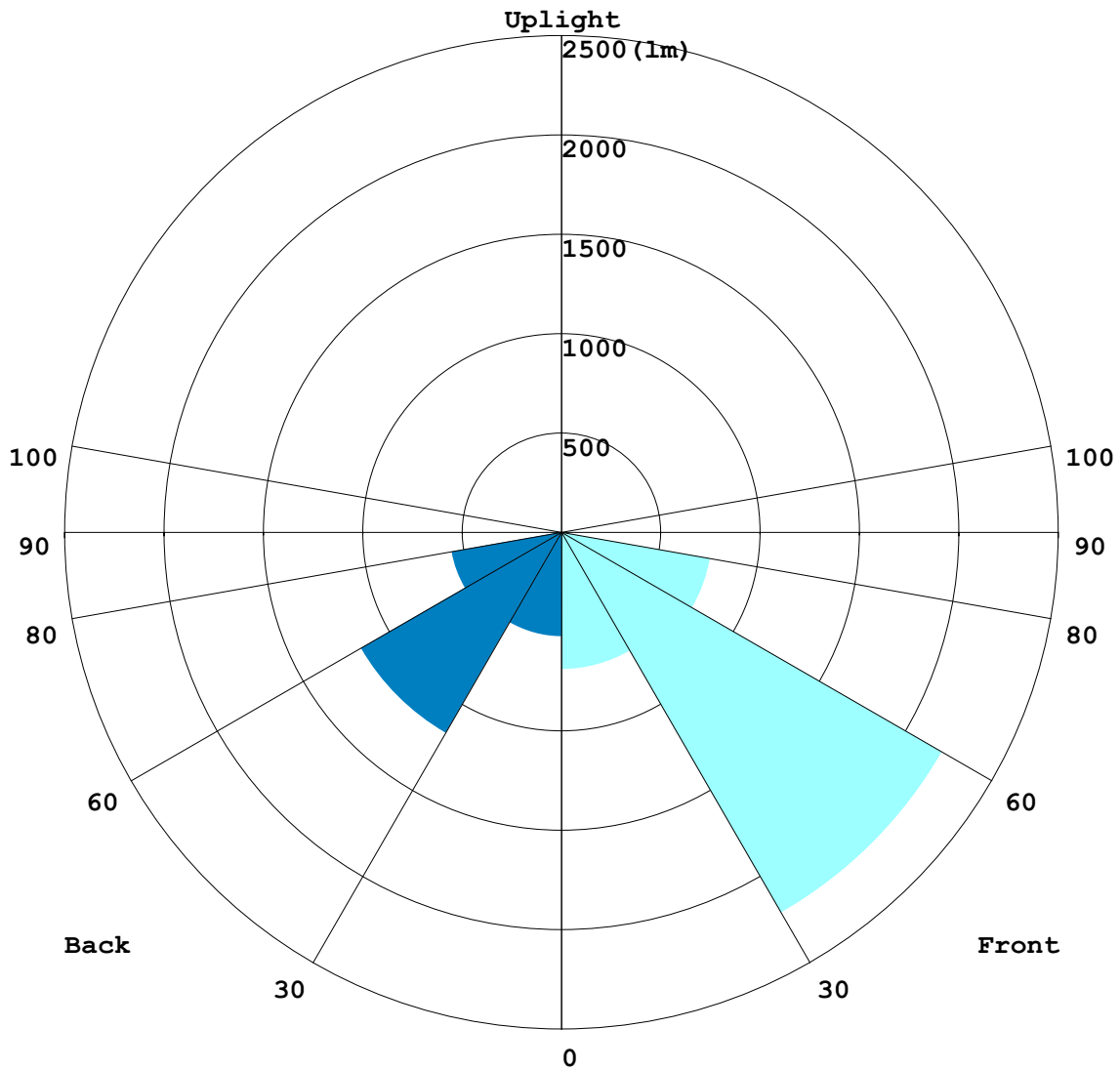
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2024-06-11

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity: 65.0%  
 Test Distance: 9.750m [K=1.0000]  
 Remarks:

**LCS REPORT**

Test:U:219.8V I:0.1326A P:29.15W PF:0.9713 Lamp Flux:5931.54x1 lm		
NAME: 30W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		

**LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH**



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2024-06-11

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:9.750m [K=1.0000]  
 Remarks:

**BUG REPORT**

Test:U:219.8V I:0.1326A P:29.15W PF:0.9713 Lamp Flux:5931.54x1 lm		
NAME: 30W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		

**IESNA Luminaire Flux Distribution Table:**

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	688.34	11.6
FM - Front-Medium(30-60)	2210.1	37.3
FH - Front-High(60-80)	759.11	12.8
FVH - Front-Very High(80-90)	15.625	0.3
Total Forward Light	3673.2	61.9

BL - Back-Low(0-30)	524.08	8.8
BM - Back-Medium(30-60)	1165.8	19.7
BH - Back-High(60-80)	561.52	9.5
BVH - Back-Very High(80-90)	6.9059	0.1
Total Back Light	2258.3	38.1

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	B2-U0-G2
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2258.3	0	2258.3
Street Side	3673.2	0	3673.2

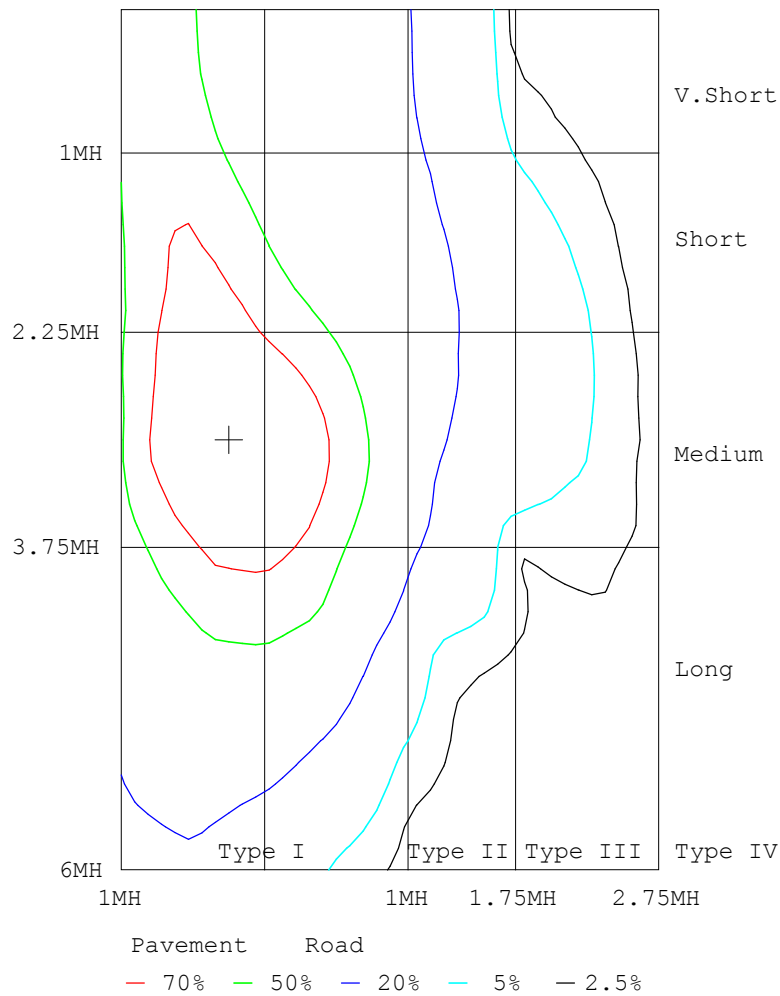
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2024-06-11

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:9.750m [K=1.0000]  
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.8V I:0.1326A P:29.15W PF:0.9713 Lamp Flux:5931.54x1 lm		
NAME: 30W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2024-06-11

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:9.750m [K=1.0000]  
 Remarks:





LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.8V I:0.1326A P:29.15W PF:0.9713 Lamp Flux:5931.54x1 lm		
NAME: 30W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		

Table--3

UNIT: cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1384	1384	1384	1384	1384	1384	1384	1384	1384	1384	1384	1384	1384	1384	1384	1384	1384	1384	1384
5	1375	1369	1364	1359	1354	1349	1344	1340	1336	1332	1329	1326	1324	1322	1321	1320	1320	1320	1321
10	1373	1361	1350	1339	1329	1318	1309	1300	1291	1283	1276	1270	1265	1261	1258	1256	1256	1256	1258
15	1377	1360	1343	1326	1310	1294	1278	1263	1249	1237	1226	1216	1208	1202	1197	1194	1193	1194	1196
20	1386	1363	1340	1316	1293	1270	1249	1228	1209	1191	1175	1162	1151	1143	1136	1132	1131	1131	1135
25	1395	1366	1337	1308	1278	1249	1220	1194	1169	1145	1124	1106	1092	1081	1073	1067	1065	1066	1070
30	1407	1372	1336	1298	1262	1226	1191	1154	1120	1092	1068	1047	1031	1018	1009	1002	1000	1001	1005
35	1425	1383	1337	1292	1248	1196	1147	1102	1064	1032	1004	980	961	947	937	931	928	928	931
40	1447	1394	1339	1286	1220	1156	1097	1043	994	956	925	902	884	872	864	859	856	854	855
45	1479	1411	1341	1262	1183	1109	1034	968	914	873	840	813	792	776	764	756	752	751	754
50	1514	1426	1336	1238	1142	1040	953	884	828	782	745	716	693	675	661	652	648	647	652
55	1577	1457	1329	1205	1079	964	873	800	739	690	615	538	475	427	392	369	361	367	386
60	1673	1516	1350	1178	1025	898	797	702	579	460	352	263	194	143	107	82.4	73.7	82.0	105
65	1865	1637	1390	1157	974	810	647	515	373	235	158	114	92.2	85.1	75.8	66.9	63.9	67.8	75.8
70	2343	1777	1278	994	708	532	424	317	210	133	93.4	73.7	64.5	71.8	65.2	56.6	54.1	58.9	66.9
75	1783	1035	547	310	228	226	154	81.8	45.6	42.1	44.8	44.3	52.5	53.8	45.2	38.4	36.7	39.1	44.9
80	97.3	51.4	35.2	34.8	33.6	38.8	37.0	33.2	26.7	24.9	25.4	24.3	39.2	37.0	24.6	19.8	19.2	18.8	21.6
85	25.8	23.4	22.6	18.5	15.3	12.3	9.95	7.51	5.39	4.07	3.16	2.09	2.11	1.27	0.37	0.07	0.00	0.07	0.32
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	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2024-06-11

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:9.750m [K=1.0000]  
 Remarks:

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:219.8V I:0.1326A P:29.15W PF:0.9713 Lamp Flux:5931.54x1 lm		
NAME: 30W	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:		

Table--4

UNIT: cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1384	1384	1384	1384	1384	1384	1384	1384	1384	1384	1384	1384	1384	1384	1384				
5	1322	1323	1326	1328	1331	1335	1338	1343	1347	1352	1357	1363	1368	1373	1379				
10	1260	1264	1269	1275	1281	1289	1297	1306	1316	1327	1338	1349	1360	1372	1383				
15	1200	1206	1213	1222	1233	1245	1259	1273	1289	1305	1322	1339	1357	1374	1392				
20	1140	1148	1159	1172	1187	1204	1222	1243	1264	1287	1311	1334	1358	1381	1404				
25	1077	1087	1101	1118	1139	1163	1187	1214	1241	1270	1299	1329	1359	1388	1417				
30	1013	1024	1039	1059	1082	1111	1144	1182	1217	1253	1291	1329	1367	1403	1439				
35	938	951	968	990	1018	1049	1089	1134	1186	1239	1284	1330	1378	1423	1467				
40	859	870	886	908	937	976	1025	1079	1138	1204	1273	1329	1389	1449	1504				
45	762	775	794	818	849	890	943	1006	1082	1160	1247	1333	1405	1481	1558				
50	660	674	695	721	756	799	848	918	1007	1108	1210	1322	1432	1534	1637				
55	415	456	513	588	660	707	763	835	927	1045	1177	1323	1481	1616	1752				
60	133	173	230	308	408	528	657	749	850	993	1165	1353	1554	1749	1929				
65	77.5	76.0	84.4	107	158	284	416	545	710	853	1079	1366	1730	2160	2566				
70	66.9	59.1	62.4	72.0	96.1	149	209	236	309	453	568	913	1441	2195	2841				
75	47.8	42.6	39.8	39.6	35.9	38.4	56.9	83.0	79.1	52.8	98.0	59.0	172	453	814				
80	29.1	23.4	19.4	19.9	19.2	20.9	22.3	23.1	24.2	20.4	21.5	25.2	28.5	30.5	30.2				
85	0.98	1.22	1.59	2.27	2.90	3.77	4.75	5.43	6.26	6.67	8.58	11.2	9.54	11.7	12.3				
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				

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2024-06-11

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:9.750m [K=1.0000]  
 Remarks: