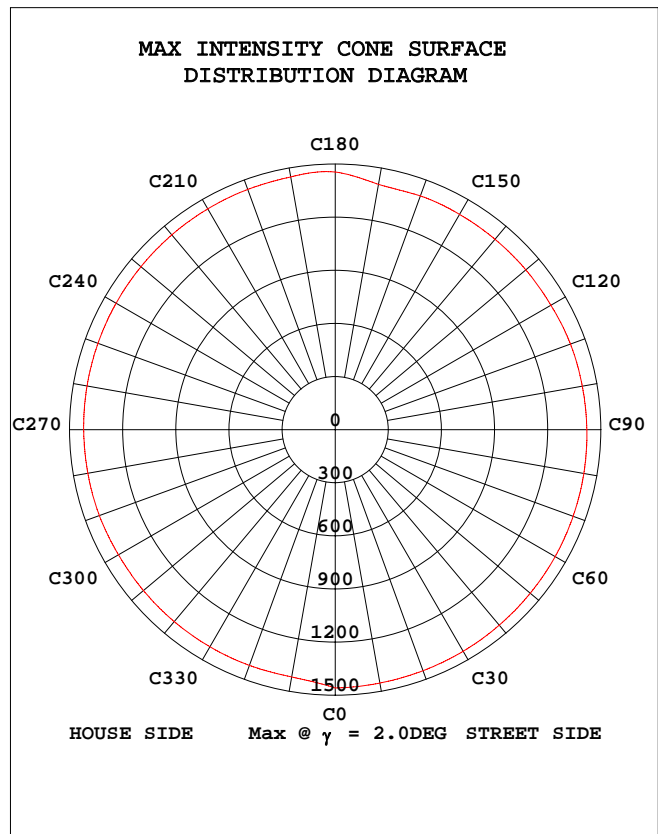
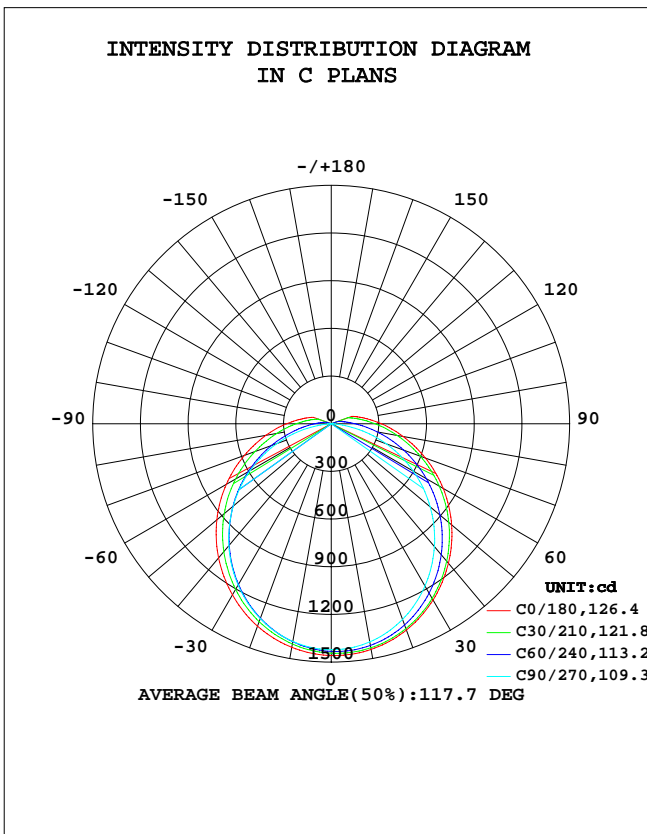


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.53V I:0.1788A P:39.144W PF:0.9537 Freq:49.99Hz Lamp Flux:4713.07x1 lm		
NAME: F1140_LED PRO TRI-PROOF LIGHT	TYPE:	WEIGHT:180G
SPEC.:	DIM.:	SERIAL No.:1
MFR.: FILUX	SUR.:	Shielding Angle:270`

DATA OF LAMP		PHOTOMETRIC DATA Eff: 121.17 lm/W			
MODEL	F1140-40W	I _{max} (cd)	1459	η street_up(%)	2.5
NOMINAL POWER(W)	40	LOR(%)	100.6	η street_down(%)	46.8
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	4773	η house_up(%)	2.8
NOMINAL FLUX(lm)	4743.07	MAXIMUM @(C,γ)	0,2.0	η house_down(%)	48.7
LAMPS INSIDE	1	η up(%)	5.2	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220.0	η down(%)	95.4	SLI	19.231

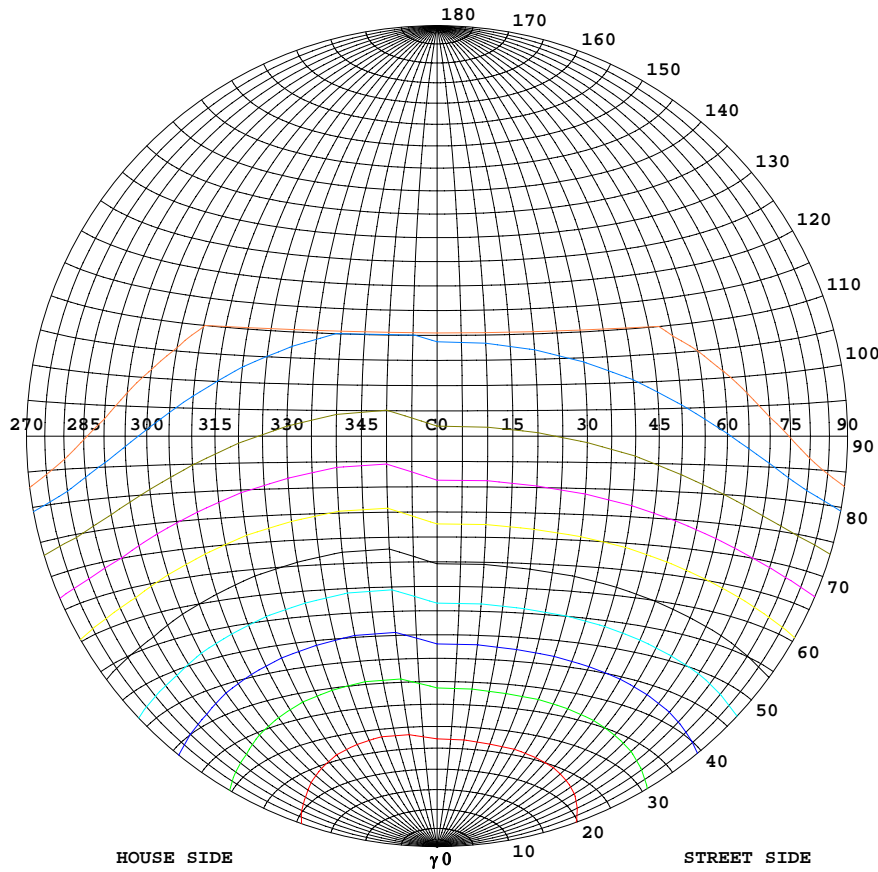


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 1
 Test Date: 2019-08-23

γ Range: 0 - 110DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.390
 Humidity: 65.0%
 Test Distance: 9.840m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:229.53V I:0.1788A P:39.144W PF:0.9537 Freq:49.99Hz Lamp Flux:4713.07x1 lm		
NAME: F1140_LED PRO TRI-PROOF LIGHT	TYPE:	WEIGHT:180G
SPEC.:	DIM.:	SERIAL No.:1
MFR.: FILUX	SUR.:	Shielding Angle:270`



Classification:

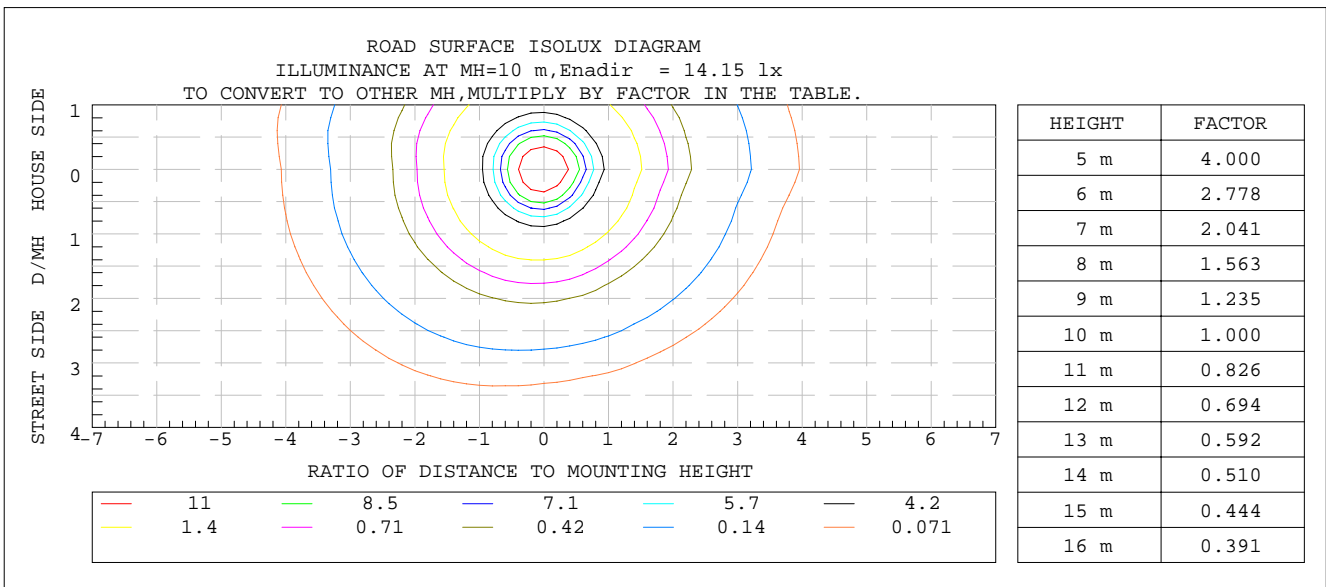
IES:Type VS - Very Short
 CIE:Narrow - Short
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:107.6cd/klm
 Max.At90:75.31cd/klm
 Max.80-90:107.6cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1459
90%	1313
80%	1167
70%	1021
60%	875
50%	729
40%	583
30%	438
20%	292
10%	146
5%	73

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:1
 Test Date:2019-08-23

γ Range: 0 - 110DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.390
 Humidity:65.0%
 Test Distance:9.840m [K=1.0000]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 1
Test Date: 2019-08-23

γ Range: 0 - 110DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.390
Humidity: 65.0%
Test Distance: 9.840m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:229.53V I:0.1788A P:39.144W PF:0.9537 Freq:49.99Hz Lamp Flux:4713.07x1 lm		
NAME: F1140_LED PRO TRI-PROOF LIGHT	TYPE:	WEIGHT:180G
SPEC.:	DIM.:	SERIAL No.:1
MFR.: FILUX	SUR.:	Shielding Angle:270`

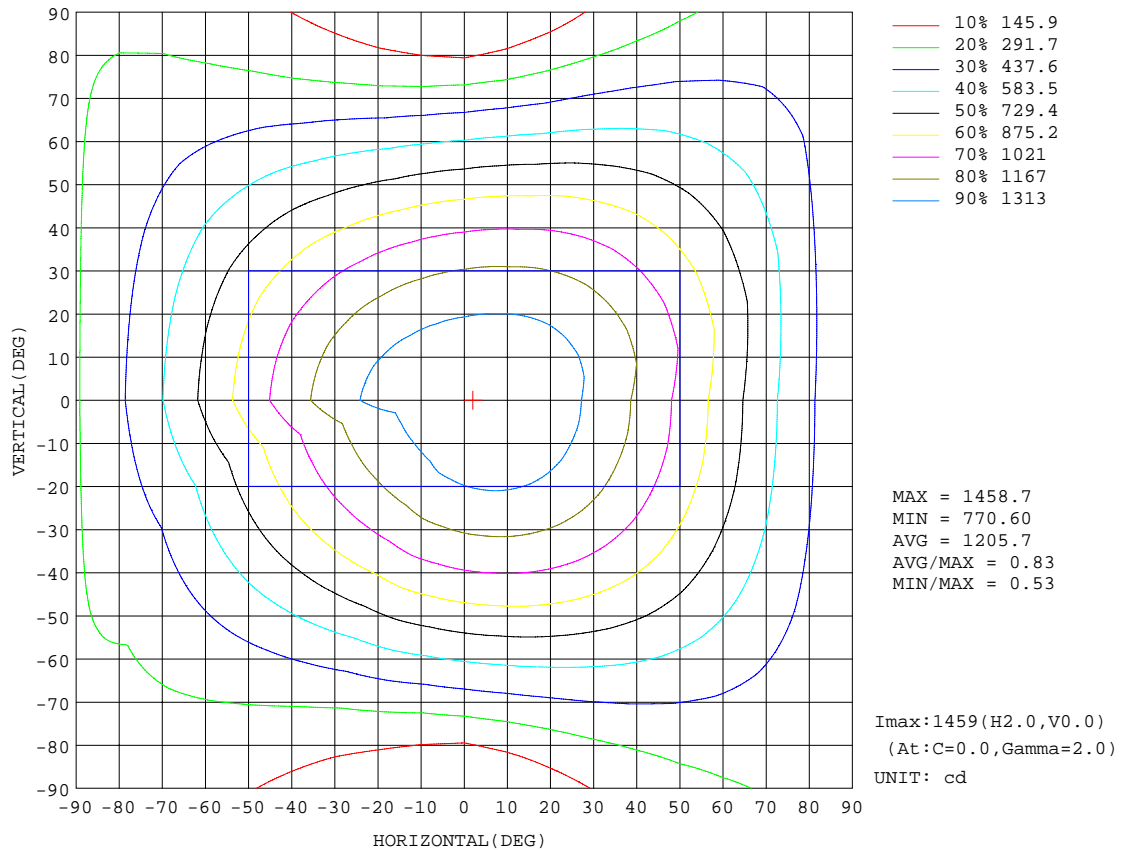
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	1442	1425	1394	1360	1429	1399	1391	1409	0- 10	135.0	135.0	2.83,2.85
20	1382	1362	1311	1263	1356	1311	1305	1358	10- 20	386.6	521.6	10.9,11
30	1281	1254	1179	1125	1243	1182	1172	1261	20- 30	586.4	1108	23.2,23.4
40	1147	1107	1010	959.0	1103	1021	1002	1126	30- 40	710.6	1819	38.1,38.3
50	988.6	933.0	812.9	774.5	939.6	838.4	805.3	959.3	40- 50	748.3	2567	53.8,54.1
60	813.3	743.3	596.3	581.3	762.0	645.5	589.5	775.6	50- 60	700.9	3268	68.5,68.9
70	630.3	548.5	367.7	394.2	580.8	453.5	362.4	584.7	60- 70	581.8	3850	80.7,81.2
80	458.1	365.0	133.8	239.5	416.2	285.0	131.4	399.9	70- 80	418.3	4268	89.4,90
90	315.9	222.4	9.749	136.2	281.8	165.3	7.997	247.1	80- 90	257.8	4526	94.8,95.4
100	209.8	131.9	8.696	78.97	184.9	95.41	6.756	146.2	90-100	152.5	4678	98,98.6
110	138.2	79.15	11.54	45.04	120.0	55.09	8.746	85.89	100-110	91.33	4770	99.9,101
120	0	0	0	0	0	0	0	0	110-120	3.467	4773	100,101
130	0	0	0	0	0	0	0	0	120-130	0	4773	100,101
140	0	0	0	0	0	0	0	0	130-140	0	4773	100,101
150	0	0	0	0	0	0	0	0	140-150	0	4773	100,101
160	0	0	0	0	0	0	0	0	150-160	0	4773	100,101
170	0	0	0	0	0	0	0	0	160-170	0	4773	100,101
180	0	0	0	0	0	0	0	0	170-180	0	4773	100,101
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2019-08-23

γ Range: 0 - 110DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.390
Humidity:65.0%
Test Distance:9.840m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

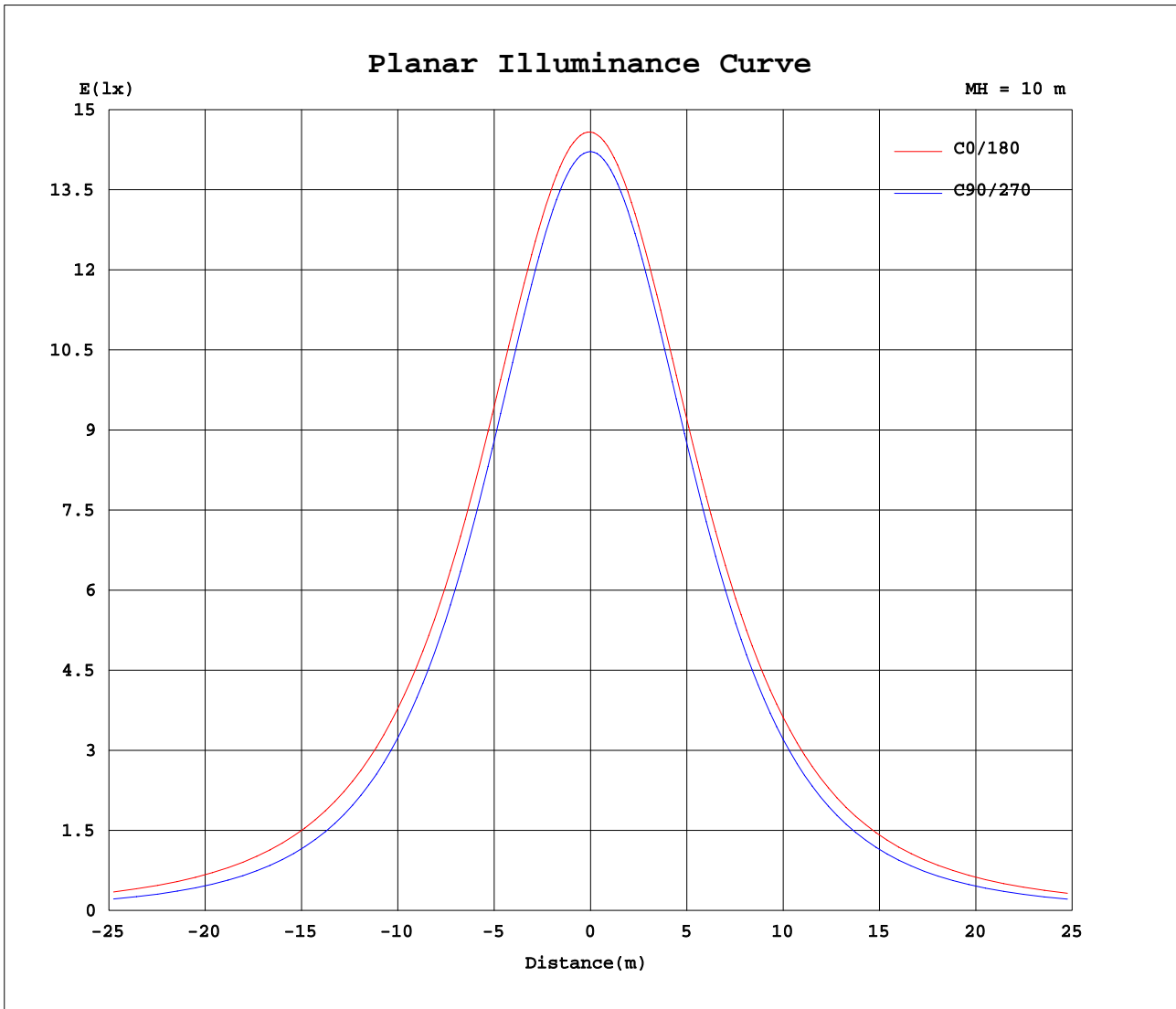
Test:U:229.53V I:0.1788A P:39.144W PF:0.9537 Freq:49.99Hz Lamp Flux:4713.07x1 lm		
NAME: F1140_LED PRO TRI-PROOF LIGHT	TYPE:	WEIGHT:180G
SPEC.:	DIM.:	SERIAL No.:1
MFR.: FILUX	SUR.:	Shielding Angle:270`



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:1
 Test Date:2019-08-23

γ Range: 0 - 110DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.390
 Humidity:65.0%
 Test Distance:9.840m [K=1.0000]
 Remarks:

Planar Illuminance Curve



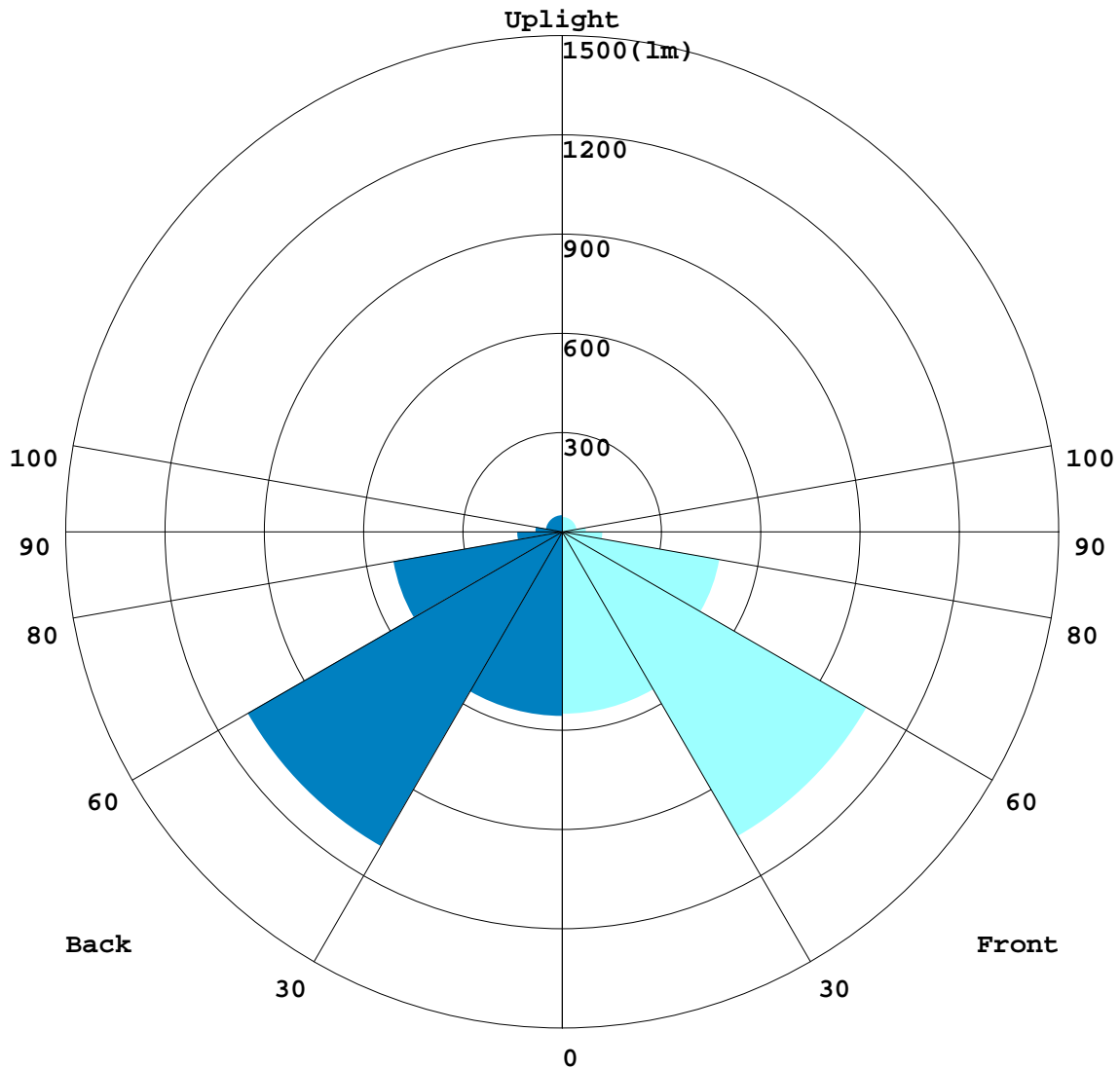
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 1
 Test Date: 2019-08-23

γ Range: 0 - 110DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.390
 Humidity: 65.0%
 Test Distance: 9.840m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:229.53V I:0.1788A P:39.144W PF:0.9537 Freq:49.99Hz Lamp Flux:4713.07x1 lm		
NAME: F1140_LED PRO TRI-PROOF LIGHT	TYPE:	WEIGHT:180G
SPEC.:	DIM.:	SERIAL No.:1
MFR.: FILUX	SUR.:	Shielding Angle:270`

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:1
 Test Date:2019-08-23

γ Range: 0 - 110DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.390
 Humidity:65.0%
 Test Distance:9.840m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:229.53V I:0.1788A P:39.144W PF:0.9537 Freq:49.99Hz Lamp Flux:4713.07x1 lm		
NAME: F1140_LED PRO TRI-PROOF LIGHT	TYPE:	WEIGHT:180G
SPEC.:	DIM.:	SERIAL No.:1
MFR.: FILUX	SUR.:	Shielding Angle:270`

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	550.72	11.5
FM - Front-Medium(30-60)	1062.5	22.3
FH - Front-High(60-80)	482.68	10.1
FVH - Front-Very High(80-90)	121.99	2.6
Total Forward Light	2334.7	48.9

BL - Back-Low(0-30)	557.27	11.7
BM - Back-Medium(30-60)	1097.4	23.0
BH - Back-High(60-80)	517.44	10.8
BVH - Back-Very High(80-90)	135.84	2.8
Total Back Light	2438.4	51.1

UL - Uplight-Low(90-100)	152.51	3.2
UH - Uplight-High(100-180)	94.797	2.0
Total Up Light	247.31	5.2

BUG(Back,Up,Glare) Rating	B2-U3-G2
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2307.9	130.45	2438.4
Street Side	2217.8	116.86	2334.7

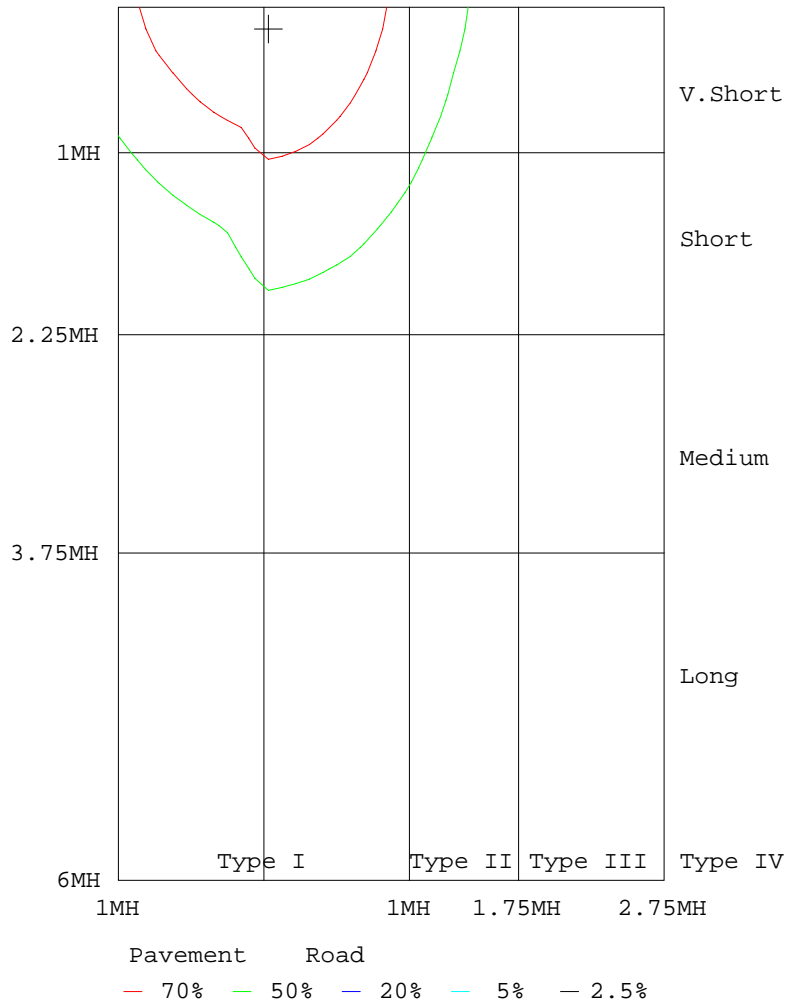
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2019-08-23

γ Range: 0 - 110DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.390
Humidity:65.0%
Test Distance:9.840m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:229.53V I:0.1788A P:39.144W PF:0.9537 Freq:49.99Hz Lamp Flux:4713.07x1 lm		
NAME: F1140_LED PRO TRI-PROOF LIGHT	TYPE:	WEIGHT:180G
SPEC.:	DIM.:	SERIAL No.:1
MFR.: FILUX	SUR.:	Shielding Angle:270`

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:1
 Test Date:2019-08-23

γ Range: 0 - 110DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.390
 Humidity:65.0%
 Test Distance:9.840m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.53V I:0.1788A P:39.144W PF:0.9537 Freq:49.99Hz Lamp Flux:4713.07x1 lm		
NAME: F1140_LED PRO TRI-PROOF LIGHT	TYPE:	WEIGHT:180G
SPEC.:	DIM.:	SERIAL No.:1
MFR.: FILUX	SUR.:	Shielding Angle:270`

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	1458	1452	1447	1443	1440	1436	1432	1429	1425	1422	1419	1417	1411	1410	1410	1411	1412	1413	1458
5	1455	1451	1447	1444	1440	1436	1431	1426	1420	1415	1409	1405	1395	1392	1390	1391	1391	1395	1449
10	1442	1438	1434	1432	1428	1423	1416	1410	1402	1394	1385	1379	1366	1361	1359	1359	1360	1365	1429
15	1417	1414	1410	1408	1403	1397	1388	1380	1369	1359	1348	1340	1324	1318	1315	1316	1318	1324	1397
20	1382	1379	1375	1372	1366	1358	1348	1336	1323	1311	1297	1288	1270	1264	1261	1263	1267	1274	1356
25	1336	1334	1329	1326	1318	1308	1295	1281	1265	1250	1236	1225	1205	1199	1197	1201	1206	1216	1304
30	1281	1279	1274	1269	1260	1248	1231	1215	1196	1179	1163	1151	1131	1126	1125	1130	1137	1150	1243
35	1217	1216	1209	1203	1192	1177	1158	1139	1117	1098	1080	1069	1048	1044	1046	1054	1063	1078	1176
40	1147	1145	1138	1130	1116	1098	1077	1054	1030	1010	991	979	959	957	961	972	984	1001	1103
45	1070	1069	1061	1050	1033	1012	987	962	936	914	895	883	864	865	872	886	900	919	1023
50	989	988	978	966	946	920	892	865	836	813	793	783	765	770	779	796	813	833	940
55	903	902	891	877	854	825	793	762	731	707	687	678	664	672	685	704	723	745	852
60	813	813	801	785	759	727	691	656	622	596	577	571	562	573	590	612	633	656	762
65	722	721	709	691	664	628	587	547	510	483	465	464	460	476	496	521	544	568	671
70	630	629	616	597	568	529	485	439	397	368	352	359	361	382	406	434	459	483	581
75	541	540	527	505	475	433	385	333	286	251	244	258	270	296	326	356	382	406	495
80	458	457	442	420	387	343	292	236	180	134	146	170	192	223	256	286	313	336	416
85	383	381	367	344	310	264	212	154	92.5	39.0	71.1	103	131	165	198	227	253	274	346
90	316	313	300	276	245	200	150	96.2	45.5	9.75	33.0	61.9	89.4	121	151	179	203	222	282
95	258	255	243	221	191	151	107	62.4	28.6	11.8	20.9	40.1	62.8	90.0	117	142	163	180	229
100	210	207	196	176	149	115	78.4	44.1	21.3	8.70	16.0	27.7	44.7	67.3	90.6	112	131	146	185
105	170	168	158	141	118	88.3	57.6	32.6	17.1	9.02	14.4	20.5	32.3	50.0	69.5	88.2	105	118	149
110	138	136	127	112	92.7	65.6	43.7	24.9	15.2	11.5	13.2	16.4	24.0	37.1	52.9	68.3	82.5	93.3	120
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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:1
 Test Date:2019-08-23

γ Range: 0 - 110DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.390
 Humidity:65.0%
 Test Distance:9.840m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.53V I:0.1788A P:39.144W PF:0.9537 Freq:49.99Hz Lamp Flux:4713.07x1 lm		
NAME: F1140_LED PRO TRI-PROOF LIGHT	TYPE:	WEIGHT:180G
SPEC.:	DIM.:	SERIAL No.:1
MFR.: FILUX	SUR.:	Shielding Angle:270`

Table--2

UNIT: cd

C(DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	1452	1447	1443	1440	1436	1432	1429	1425	1422	1419	1417	1411	1410	1410	1411	1412	1413		
5	1442	1437	1431	1427	1423	1420	1417	1415	1414	1414	1415	1413	1415	1418	1419	1421	1421		
10	1421	1414	1407	1402	1396	1393	1391	1391	1391	1395	1398	1402	1407	1412	1416	1418	1418		
15	1389	1382	1372	1364	1357	1354	1351	1352	1355	1361	1368	1376	1386	1394	1400	1404	1403		
20	1346	1337	1326	1316	1307	1302	1299	1301	1305	1314	1325	1339	1352	1365	1373	1378	1378		
25	1294	1284	1269	1257	1246	1240	1236	1239	1244	1256	1270	1289	1307	1324	1335	1342	1342		
30	1232	1221	1204	1189	1175	1167	1162	1166	1172	1187	1204	1229	1251	1272	1286	1296	1296		
35	1164	1151	1130	1113	1096	1086	1080	1083	1091	1108	1128	1159	1185	1210	1227	1240	1240		
40	1090	1075	1051	1031	1010	999	991	994	1002	1022	1045	1080	1111	1140	1160	1175	1176		
45	1010	994	968	944	919	904	895	898	907	928	955	994	1029	1062	1086	1104	1106		
50	926	908	879	853	824	806	794	796	805	829	858	902	941	978	1006	1027	1031		
55	838	820	788	759	727	706	690	690	700	725	757	805	848	890	921	945	950		
60	748	728	695	663	628	603	583	581	589	616	652	704	752	799	833	859	865		
65	657	637	602	568	529	500	475	469	477	505	546	602	655	705	742	771	777		
70	567	546	510	474	433	400	370	357	362	393	439	501	558	611	651	680	687		
75	482	461	424	387	342	304	269	248	249	281	336	402	463	518	559	590	597		
80	404	383	347	308	263	221	180	147	131	176	239	307	371	428	470	502	511		
85	334	313	279	241	197	154	110	73.2	36.5	92.2	156	224	289	347	389	421	430		
90	273	253	222	186	145	105	65.9	34.0	8.00	41.4	95.0	158	220	274	316	348	357		
95	220	203	175	143	107	73.2	41.6	20.1	9.49	23.9	59.7	111	166	215	254	282	293		
100	178	163	138	111	79.8	51.6	27.5	14.3	6.76	16.3	41.2	79.9	125	168	203	228	238		
105	143	131	109	86.2	59.6	36.8	19.1	11.9	6.55	12.7	29.9	58.0	92.5	131	161	184	192		
110	115	104	85.7	66.0	44.1	26.4	14.2	10.5	8.75	12.1	22.2	43.8	71.9	99.9	128	148	155		
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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.00		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:1
 Test Date:2019-08-23

γ Range: 0 - 110DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.390
 Humidity:65.0%
 Test Distance:9.840m [K=1.0000]
 Remarks: