

Photometrics Pro

Luminaire Photometric Report

Filename: PG07-75W-120V-3000K_3827

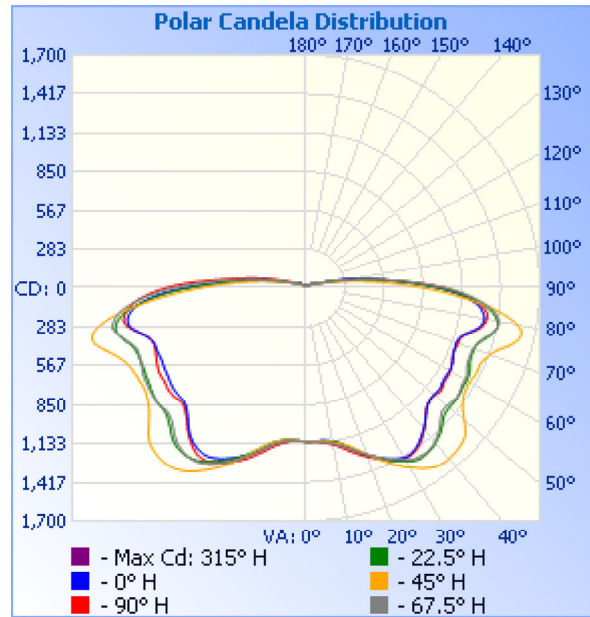
Lamp Output: 1 lamp, rated Lumens/lamp: 9386.1

Max Candela: 1,637.5 at Horizontal: 315°, Vertical: 39°

Input Wattage: 73.27

Luminous Opening: Point

Photometry : Type C



Roadway Summary

Cutoff Classification:	NONCUTOFF	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	1,015.1	
Max Cd, 80 to <90 Deg:	1,565.4	
	Lumens	% Lamp
Downward Street Side:	4,211.0	44.9%
Downward House Side:	4,189.5	44.6%
Downward Total:	8,400.5	89.5%
Upward Street Side:	505.4	5.4%
Upward House Side:	480.2	5.1%
Upward Total:	985.5	10.5%
Total Lumens:	9,386.1	100%

Flood Summary

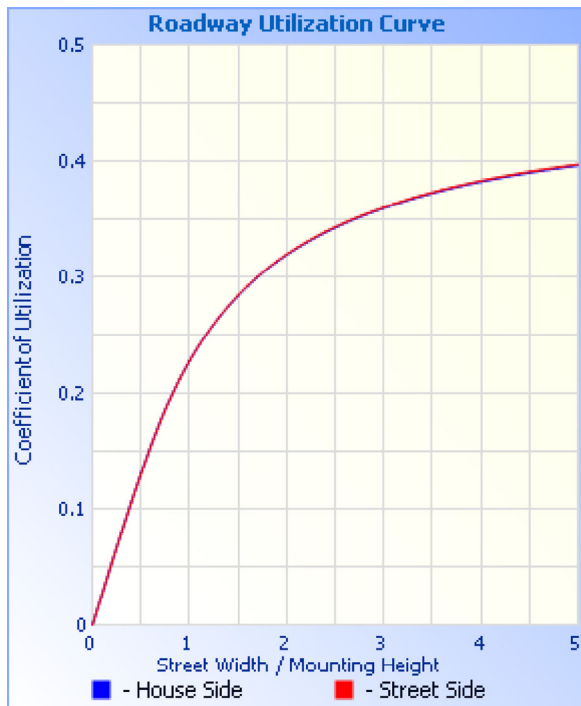
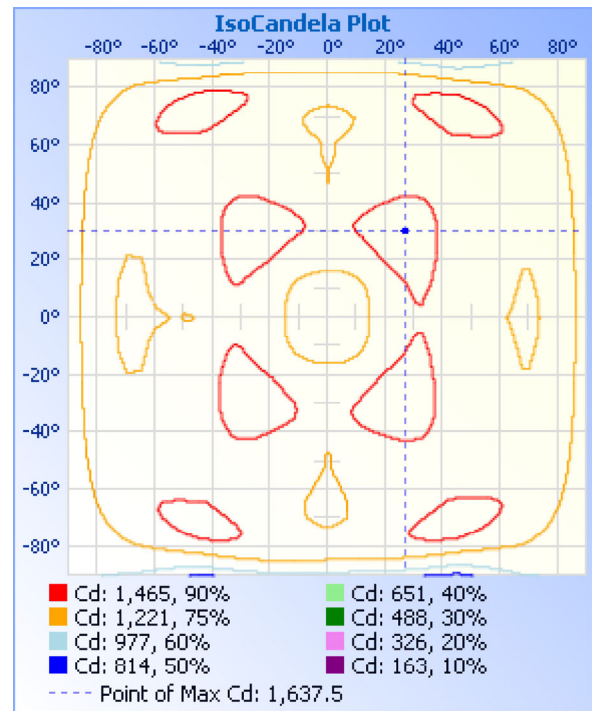
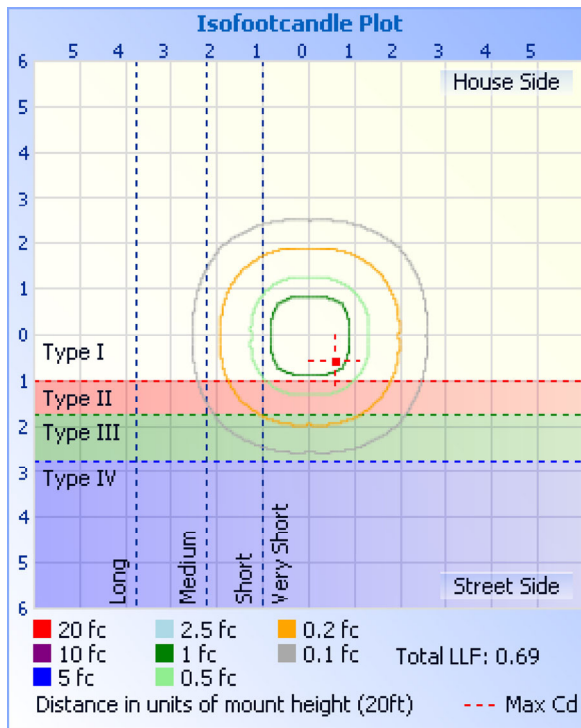
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	97.8%	9,181.6	n/a	214.5
Beam (50%):	90.9%	8,531.9	n/a	181.9
Total:	100%	9,388.8		

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	1,096.4	11.7%	11.7%
0-40	2,031.9	21.6%	21.6%
0-60	4,317.2	46%	46%
60-90	4,083.6	43.5%	43.5%
70-100	3,433.1	36.6%	36.6%
90-120	915.3	9.8%	9.8%
0-90	8,400.8	89.5%	89.5%
90-180	985.7	10.5%	10.5%
0-180	9,386.5	100%	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	107.3	1.1%	90-100	643.4	6.9%
10-20	345.0	3.7%	100-110	198.1	2.1%
20-30	644.1	6.9%	110-120	73.7	0.8%
30-40	935.6	10.0%	120-130	37.7	0.4%
40-50	1,089.7	11.6%	130-140	16.4	0.2%
50-60	1,195.6	12.7%	140-150	7.1	0.1%
60-70	1,293.9	13.8%	150-160	5.1	0.1%
70-80	1,464.4	15.6%	160-170	3.2	0%
80-90	1,325.2	14.1%	170-180	1.1	0%



Illuminance at a Distance

	Center Beam fc	Beam Width
2.5R	179 fc	
5.0R	44.7 fc	
7.5R	19.9 fc	
10.0R	11.2 fc	
12.5R	7.15 fc	
15.0R	4.96 fc	

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.17	1.17	1.17	1.17	1.13	1.13	1.13	.90	1.05	1.05	1.05	.99	.99	.99	.92	.92	.92	.90
1	1.00	.92	.85	.79	.95	.88	.82	.62	.82	.77	.72	.76	.72	.68	.71	.67	.64	.61
2	.88	.76	.67	.59	.84	.73	.65	.47	.68	.61	.54	.63	.57	.51	.58	.53	.49	.45
3	.79	.65	.55	.46	.75	.63	.53	.38	.58	.50	.43	.53	.46	.41	.49	.44	.39	.35

4	.71	.56	.46	.37	.68	.54	.44	.31	.50	.42	.35	.46	.39	.33	.43	.37	.31	.29
5	.65	.50	.39	.31	.62	.48	.38	.26	.44	.36	.29	.41	.34	.28	.38	.32	.26	.24
6	.59	.44	.34	.26	.57	.43	.33	.22	.40	.31	.25	.37	.29	.24	.34	.28	.22	.20
7	.55	.40	.30	.23	.52	.38	.29	.19	.36	.27	.21	.33	.26	.20	.31	.24	.19	.17
8	.51	.36	.26	.20	.49	.35	.26	.17	.32	.24	.19	.30	.23	.18	.28	.22	.17	.15
9	.47	.33	.24	.17	.45	.32	.23	.15	.30	.22	.16	.28	.21	.16	.26	.20	.15	.13
10	.44	.30	.21	.16	.42	.29	.21	.13	.27	.20	.15	.26	.19	.14	.24	.18	.14	.12

Candela Table - Type C

	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5	360
0	1117	1117	1117	1117	1117	1117	1117	1117	1117	1117	1117	1117	1117	1117	1117	1117	1117
1	1118	1117	1118	1117	1117	1117	1116	1116	1115	1115	1116	1116	1116	1116	1117	1118	1118
2	1117	1118	1118	1118	1117	1117	1116	1115	1114	1114	1114	1114	1116	1116	1117	1116	1117
3	1116	1117	1119	1119	1119	1118	1114	1113	1113	1112	1112	1114	1115	1116	1116	1117	1116
4	1117	1117	1119	1120	1121	1119	1115	1113	1112	1111	1113	1114	1115	1117	1114	1115	1117
5	1117	1117	1120	1123	1125	1121	1114	1112	1113	1111	1112	1115	1117	1119	1116	1116	1117
6	1118	1118	1122	1127	1129	1124	1116	1113	1113	1111	1112	1118	1122	1121	1115	1115	1118
7	1119	1120	1125	1132	1135	1128	1119	1117	1116	1113	1115	1121	1129	1125	1119	1116	1119
8	1122	1124	1128	1137	1141	1133	1123	1120	1121	1116	1120	1129	1135	1132	1121	1118	1122
9	1126	1127	1134	1142	1148	1139	1128	1126	1128	1121	1124	1136	1144	1138	1126	1122	1126
10	1132	1132	1140	1150	1158	1145	1134	1134	1136	1129	1132	1144	1156	1148	1131	1127	1132
11	1141	1139	1146	1160	1167	1153	1142	1141	1146	1139	1141	1157	1167	1158	1138	1133	1141
12	1152	1150	1153	1169	1181	1165	1151	1153	1158	1148	1150	1167	1182	1170	1147	1143	1152
13	1168	1163	1162	1181	1195	1177	1163	1166	1174	1162	1164	1182	1200	1182	1157	1154	1168
14	1184	1178	1175	1196	1211	1191	1174	1184	1192	1177	1179	1198	1216	1200	1170	1168	1184
15	1202	1195	1189	1209	1228	1206	1189	1200	1209	1194	1193	1215	1236	1216	1184	1186	1202
16	1220	1212	1205	1224	1243	1221	1205	1218	1228	1214	1213	1236	1254	1234	1200	1204	1220
17	1238	1231	1222	1240	1259	1238	1224	1236	1246	1233	1232	1255	1275	1252	1219	1223	1238
18	1256	1250	1241	1255	1276	1255	1245	1256	1263	1254	1254	1274	1294	1272	1243	1242	1256
19	1274	1270	1263	1270	1291	1272	1267	1277	1281	1273	1278	1293	1311	1289	1266	1262	1274
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23	1338	1344	1354	1336	1351	1339	1360	1346	1341	1349	1378	1366	1375	1361	1367	1336	1338
24	1353	1359	1375	1352	1366	1355	1382	1361	1356	1366	1403	1385	1391	1378	1392	1355	1353
25	1370	1378	1400	1368	1379	1372	1403	1378	1368	1384	1426	1401	1404	1395	1415	1372	1370
26	1380	1394	1422	1384	1393	1389	1426	1393	1382	1399	1450	1417	1416	1413	1441	1390	1380
27	1394	1412	1445	1401	1406	1405	1448	1407	1392	1417	1470	1434	1429	1430	1464	1407	1394
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35	1405	1493	1594	1481	1416	1490	1589	1474	1402	1500	1613	1497	1427	1503	1614	1485	1405
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37	1379	1488	1613	1479	1390	1489	1608	1474	1381	1497	1630	1488	1397	1500	1629	1479	1379
38	1364	1483	1619	1474	1375	1486	1610	1469	1367	1494	1634	1481	1380	1493	1636	1474	1364
39	1348	1477	1621	1468	1355	1481	1614	1461	1349	1490	1636	1472	1360	1485	1638	1469	1348
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59	1205	1348	1372	1332	1213	1338	1363	1313	1188	1336	1385	1351	1235	1362	1389	1341	1205
60	1206	1346	1371	1334	1209	1340	1360	1310	1186	1332	1385	1349	1234	1360	1390	1341	1206
61	1205	1347	1374	1334	1204	1339	1362	1304	1182	1330	1386	1347	1230	1357	1393	1338	1205
62	1200	1341	1381	1326	1199	1332	1364	1301	1179	1324	1388	1342	1223	1353	1395	1335	1200
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66	1173	1306	1381	1292	1171	1306	1378	1291	1175	1317	1405	1315	1197	1323	1400	1305	1173
67	1171	1301	1385	1291	1167	1307	1389	1292	1177	1316	1413	1311	1190	1317	1404	1299	1171
68	1168	1300	1396	1291	1171	1307	1406	1292	1175	1315	1426	1309	1184	1314	1409	1297	1168
69	1164	1300	1410	1290	1178	1311	1426	1297	1175	1317	1441	1307	1180	1311	1421	1296	1164
70	1163	1300	1423	1295	1177	1313	1441	1300	1177	1321	1460	1308	1180	1314	1436	1294	1163
71	1167	1305	1440	1301	1176	1319	1461	1308	1184	1328	1482	1316	1184	1321	1456	1300	1167
72	1175	1314	1466	1310	1180	1330	1487	1320	1194	1341	1507	1330	1192	1329	1483	1312	1175
73	1189	1331	1498	1324	1191	1345	1514	1337	1212	1358	1537	1349	1209	1347	1514	1327	1189
74	1212	1351	1533	1339	1215	1365	1544	1355	1231	1376	1564	1368	1230	1365	1543	1348	1212
75	1237	1372	1560	1360	1244	1383	1562	1374	1254	1391	1588	1388	1254	1387	1566	1369	1237
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80	1316	1415	1565	1422	1333	1420	1509	1397	1319	1393	1510	1423	1348	1426	1537	1403	1316
81	1313	1401	1524	1416	1335	1404	1462	1379	1310	1370	1457	1406	1340	1411	1488	1391	1313
82	1300	1381	1474	1400	1330	1383	1401	1352	1292	1337	1391	1381	1329	1388	1431	1370	1300
83	1287	1354	1413	1378	1313	1353	1334	1314	1271	1297	1314	1353	1314	1358	1360	1343	1287
84	1265	1318	1344	1343	1288	1313	1257	1274	1237	1247	1234	1312	1289	1321	1291	1304	1265
85	1234	1274	1262	1300	1256	1267	1178	1222	1198	1194	1157	1265	1258	1277	1213	1260	1234
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87	1145	1163	1099	1200	1174	1154	1021	1104	1094	1068	994	1157	1177	1172	1051	1146	1145
88	1091	1103	1021	1141	1125	1095	947	1035	1032	1002	919	1097	1130	1115	972	1082	1091
89	1029	1033	939	1082	1070	1026	871	966	957	931	844	1034	1077	1051	898	1015	1029
90	965	964	861	1012	1005	948	793	887	876	854	771	964	1015	981	818	937	965
91	890	887	779	928	929	871	724	808	798	782	705	887	951	908	746	864	890
92	817	814	706	848	847	797	657	737	724	713	640	812	879	836	680	795	817
93	747	743	637	773	765	724	592	669	655	646	579	742	805	766	617	727	747
94	678	673	570	700	691	654	533	608	593	589	525	672	724	696	558	662	678
95	610	613	511	627	618	589	479	550	540	533	472	606	656	630	506	600	610

96	550	549	452	562	554	522	425	497	491	481	426	545	592	568	458	541	550
97	499	491	402	498	496	465	379	449	450	432	381	489	536	508	411	485	499
98	454	438	354	442	452	412	334	401	411	387	343	437	488	455	369	429	454
99	413	388	308	390	408	360	293	356	371	341	307	390	445	405	330	378	413
100	373	339	268	336	364	307	257	311	332	298	276	345	402	361	296	330	373
101	331	292	238	284	319	258	230	272	295	260	250	306	364	322	267	290	331
102	291	254	213	238	273	220	206	237	260	228	226	270	325	287	241	254	291
103	253	221	191	203	228	188	185	208	228	200	203	240	291	255	216	221	253
104	220	193	171	174	191	164	166	184	199	178	181	212	258	229	195	194	220
105	189	170	154	153	159	145	150	163	177	159	162	184	228	203	176	172	189
106	163	151	140	135	137	129	135	146	156	144	148	162	201	181	160	152	163
107	143	136	127	121	120	116	123	132	140	130	135	144	178	159	148	136	143
108	128	122	115	110	109	105	113	120	128	120	124	130	156	142	135	124	128
109	115	112	105	100	99	96	104	111	118	111	114	118	138	128	124	113	115
110	105	103	97	92	91	88	95	104	111	104	106	109	124	117	114	104	105
111	89	96	89	85	85	81	89	98	106	98	98	100	113	108	105	96	89
112	80	89	82	78	79	75	82	93	95	93	90	93	105	100	97	88	80
113	75	82	75	71	73	69	77	89	86	88	84	86	97	92	89	81	75
114	71	76	69	65	68	63	71	86	82	85	78	80	91	85	82	75	71
115	67	70	63	61	65	58	66	83	81	80	71	75	86	78	75	70	67
116	64	65	58	56	62	53	61	80	78	76	65	70	82	73	68	64	64
117	61	60	53	52	58	49	56	75	76	72	59	67	78	68	62	60	61
118	59	56	49	49	54	47	53	72	74	68	54	63	75	64	57	57	59
119	56	52	45	47	52	44	49	68	71	64	50	60	73	60	52	53	56
120	54	49	42	45	50	42	46	63	68	61	46	58	71	57	47	51	54
121	53	47	39	43	48	40	43	59	65	57	43	56	69	55	43	49	53
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Luminaire Report Summary

IESNA:LM-63-2002
[TEST]
[ISSUEDATE] 2022/11/11 01:15
[MANUFAC]
[LUMCAT]
[LUMINAIRE]
[LAMPCAT]
[LAMP]
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[_CURRENT] 0.612 A
[_POWERFACTOR] 0.991
[TESTLAB]
[_TESTINST] GPM-1800B
[_TESTDIST] 8.190 m
[_TESTTEMPERATURE]
[_TESTHUMIDITY]
[_TESTOPERATOR]
[BALLAST]
[BALLASTCAT]
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 181, HORIZONTAL ANGLES: 17
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: METRIC
FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.