

IES ROAD REPORT

PHOTOMETRIC FILENAME : L032411404_TTN-L35.0-ZE-UNV-XX-40K.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L032411404
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
[ISSUE DATE] 3/27/2024
[MANUFAC] Teron Lighting LLC
[LUMCAT] TTN-L35.0-ZE-UNV-XX-40K
[LUMINAIRE] Architectural Outdoor LED Wall Luminaire
[BALLASTCAT] FORZLUX PS50-1050C-DUALDIM-UNV-P
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
[INPUT] 120VAC
[TEST PROCEDURE] IESNA:LM-79-19

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4455
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	42.43
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1609
Maximum Candela Angle	95H 2.5V
Maximum Candela (<90 Degrees Vertical)	1609
Maximum Candela Angle (<90 Degrees Vertical)	95H 2.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	116 (2.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : L032411404_TTN-L35.0-ZE-UNV-XX-40K.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	617.0	N.A.	13.8
FM - Front-Medium (30-60)	1174.5	N.A.	26.4
FH - Front-High (60-80)	370.0	N.A.	8.3
FVH - Front-Very High (80-90)	19.3	N.A.	0.4
BL - Back-Low (0-30)	625.0	N.A.	14.0
BM - Back-Medium (30-60)	1218.1	N.A.	27.3
BH - Back-High (60-80)	408.6	N.A.	9.2
BVH - Back-Very High (80-90)	22.9	N.A.	0.5
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	4455.4	N.A.	100.0
BUG Rating	B2-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	10	15	20	25	30	35	40	45
0.0	1592	1592	1592	1592	1592	1592	1592	1592	1592	1592
2.5	1561	1561	1562	1570	1575	1575	1579	1580	1585	1588
5.0	1551	1552	1552	1560	1566	1567	1570	1571	1575	1580
7.5	1542	1542	1543	1550	1555	1557	1561	1562	1566	1570
10.0	1527	1528	1529	1536	1541	1542	1547	1548	1552	1556
12.5	1513	1514	1514	1522	1526	1528	1531	1533	1537	1541
15.0	1495	1495	1496	1503	1508	1509	1514	1515	1518	1523
17.5	1473	1473	1474	1482	1486	1489	1493	1494	1498	1502
20.0	1447	1447	1448	1457	1461	1463	1468	1470	1474	1478
22.5	1418	1419	1419	1428	1431	1434	1439	1442	1445	1451
25.0	1388	1388	1389	1396	1400	1404	1409	1411	1416	1420
27.5	1355	1354	1354	1363	1367	1370	1376	1378	1383	1387
30.0	1318	1317	1318	1326	1330	1334	1339	1342	1346	1350
32.5	1277	1276	1277	1285	1289	1293	1298	1302	1306	1310
35.0	1234	1233	1235	1242	1246	1251	1255	1259	1263	1268
37.5	1191	1189	1192	1198	1202	1207	1211	1216	1220	1224
40.0	1144	1142	1145	1152	1156	1160	1165	1168	1173	1177
42.5	1092	1090	1094	1100	1104	1108	1112	1117	1122	1125
45.0	1037	1035	1039	1045	1050	1053	1057	1062	1066	1071
47.5	981	978	983	990	994	997	1001	1005	1010	1014
50.0	919	917	922	929	933	935	939	944	949	954
52.5	847	845	850	856	859	862	867	871	876	883
55.0	777	776	782	785	788	792	796	800	807	813
57.5	707	706	712	716	719	723	728	733	738	745
60.0	630	630	638	644	648	652	657	664	670	674
62.5	548	550	559	561	566	574	584	591	597	600
65.0	473	474	481	483	485	490	499	510	518	522
67.5	397	398	406	407	409	414	419	423	431	441
70.0	323	328	332	334	337	341	345	347	351	360
72.5	248	253	256	258	262	267	271	276	281	284
75.0	184	190	192	193	195	196	200	204	208	212
77.5	123	130	129	130	130	134	137	139	141	142
80.0	77	81	81	81	83	84	85	86	86	86
82.5	45	47	46	47	47	48	47	47	46	46
85.0	27	27	27	27	27	26	25	26	26	27
87.5	21	21	21	21	20	21	21	21	21	21
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	50	55	60	65	70	75	80	85	90	95
0.0	1592	1592	1592	1592	1592	1592	1592	1592	1592	1592
2.5	1591	1593	1597	1599	1603	1606	1608	1608	1609	1609
5.0	1583	1585	1588	1590	1595	1598	1600	1601	1602	1602
7.5	1572	1575	1577	1581	1585	1588	1591	1592	1593	1593
10.0	1559	1561	1565	1568	1572	1575	1578	1579	1580	1581
12.5	1544	1547	1550	1554	1558	1562	1564	1566	1567	1568
15.0	1527	1529	1532	1536	1540	1545	1547	1548	1550	1551
17.5	1507	1509	1512	1516	1520	1524	1527	1529	1530	1532
20.0	1482	1484	1487	1491	1495	1500	1503	1505	1506	1507
22.5	1454	1456	1460	1464	1468	1473	1476	1477	1479	1481
25.0	1424	1426	1429	1434	1438	1443	1446	1448	1450	1452
27.5	1391	1394	1397	1401	1405	1410	1414	1416	1419	1420

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CANDELA TABULATION - (Cont.)

30.0	1354	1358	1360	1365	1370	1375	1378	1381	1383	1385
32.5	1314	1318	1321	1325	1330	1335	1339	1342	1344	1346
35.0	1271	1276	1278	1283	1288	1293	1297	1300	1302	1304
37.5	1228	1232	1235	1239	1244	1250	1254	1258	1260	1262
40.0	1182	1185	1189	1193	1198	1204	1209	1213	1215	1217
42.5	1130	1134	1138	1144	1150	1156	1161	1166	1168	1169
45.0	1076	1080	1086	1092	1098	1104	1109	1113	1115	1118
47.5	1019	1026	1032	1037	1043	1050	1054	1057	1060	1063
50.0	961	967	971	977	982	989	994	997	1000	1003
52.5	889	894	899	905	912	918	924	926	929	932
55.0	820	826	831	836	842	849	852	854	857	860
57.5	752	758	761	765	770	777	782	783	787	790
60.0	681	687	690	693	699	706	710	712	717	720
62.5	606	611	617	621	625	631	636	638	642	646
65.0	527	534	539	542	547	553	558	560	564	568
67.5	447	452	459	462	466	471	475	479	483	486
70.0	369	374	378	382	386	390	395	399	403	406
72.5	288	296	300	304	309	313	316	320	324	327
75.0	215	218	224	226	228	230	233	235	238	241
77.5	145	147	148	150	152	154	155	157	158	160
80.0	86	87	89	90	92	94	96	97	98	99
82.5	46	48	50	52	53	55	57	58	59	60
85.0	28	28	28	28	28	29	29	29	29	29
87.5	21	21	21	21	21	21	21	21	21	21
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles Horizontal Angles

	100	105	110	115	120	125	130	135	140	145
0.0	1592	1592	1592	1592	1592	1592	1592	1592	1592	1592
2.5	1608	1608	1606	1604	1600	1597	1593	1590	1587	1586
5.0	1601	1601	1599	1597	1594	1591	1587	1584	1583	1581
7.5	1593	1592	1591	1588	1587	1583	1580	1578	1575	1574
10.0	1580	1580	1579	1576	1575	1572	1568	1566	1564	1563
12.5	1568	1567	1566	1563	1562	1558	1556	1554	1552	1550
15.0	1551	1550	1550	1547	1546	1543	1540	1538	1537	1535
17.5	1531	1531	1530	1528	1527	1524	1521	1520	1519	1517
20.0	1507	1507	1507	1505	1505	1501	1499	1498	1497	1495
22.5	1481	1481	1481	1479	1478	1475	1474	1473	1471	1470
25.0	1452	1452	1452	1450	1450	1447	1446	1444	1443	1442
27.5	1420	1421	1421	1419	1419	1416	1415	1414	1413	1412
30.0	1385	1386	1386	1385	1385	1382	1381	1380	1379	1379
32.5	1346	1347	1347	1346	1346	1344	1343	1342	1341	1341
35.0	1305	1306	1306	1305	1305	1304	1303	1302	1301	1300
37.5	1262	1264	1264	1263	1263	1262	1261	1260	1259	1258
40.0	1219	1219	1219	1218	1218	1217	1217	1216	1216	1214
42.5	1171	1171	1171	1170	1169	1169	1168	1167	1166	1165
45.0	1120	1120	1120	1119	1118	1117	1115	1114	1114	1112
47.5	1065	1067	1066	1066	1065	1064	1062	1060	1059	1059
50.0	1006	1006	1006	1006	1006	1006	1004	1001	1000	999
52.5	936	937	936	936	935	935	934	933	931	930
55.0	865	868	867	868	868	868	865	864	862	855
57.5	795	797	796	798	800	801	799	795	788	779
60.0	725	726	725	727	728	730	728	721	712	707
62.5	650	651	652	654	656	655	647	640	638	636
65.0	572	573	574	576	578	573	563	561	563	562

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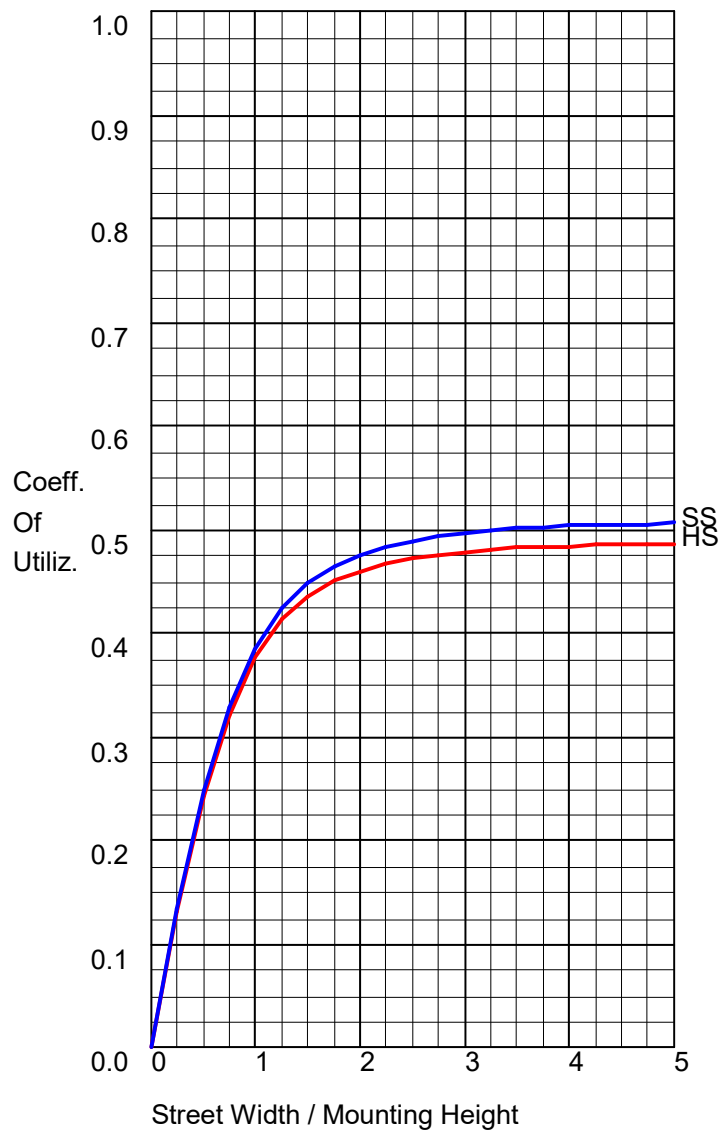
CANDELA TABULATION - (Cont.)

67.5	489	491	493	495	496	486	483	484	483	483
70.0	408	411	413	414	409	407	408	409	405	399
72.5	330	332	333	330	327	329	331	329	324	323
75.0	244	246	248	247	250	251	249	249	251	252
77.5	162	165	166	169	171	172	175	176	175	177
80.0	101	101	102	103	103	105	107	110	112	113
82.5	60	60	59	60	59	57	56	57	59	62
85.0	29	30	30	31	31	31	31	31	30	30
87.5	21	21	21	21	21	21	21	21	21	21
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles

	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0.0	1592	1592	1592	1592	1592	1592	1592
2.5	1582	1580	1577	1575	1577	1569	1566
5.0	1578	1576	1572	1570	1572	1565	1562
7.5	1570	1569	1565	1563	1565	1557	1555
10.0	1559	1557	1554	1552	1554	1546	1544
12.5	1547	1546	1542	1540	1542	1534	1532
15.0	1532	1530	1527	1524	1527	1520	1517
17.5	1514	1512	1508	1506	1508	1502	1498
20.0	1491	1490	1486	1483	1486	1479	1476
22.5	1466	1464	1460	1457	1460	1454	1451
25.0	1438	1436	1432	1429	1432	1426	1423
27.5	1408	1405	1401	1399	1401	1397	1393
30.0	1375	1372	1368	1365	1368	1364	1360
32.5	1337	1334	1330	1328	1330	1328	1323
35.0	1298	1295	1291	1289	1291	1289	1285
37.5	1257	1254	1251	1249	1250	1249	1245
40.0	1213	1210	1208	1206	1207	1206	1202
42.5	1164	1162	1160	1157	1156	1156	1153
45.0	1111	1110	1109	1106	1104	1105	1100
47.5	1057	1056	1055	1053	1049	1051	1045
50.0	998	996	993	989	983	983	978
52.5	926	918	912	907	902	901	900
55.0	846	840	836	833	831	830	829
57.5	773	769	768	767	765	763	764
60.0	704	702	701	701	700	696	696
62.5	635	632	630	631	632	626	626
65.0	560	557	555	552	551	544	542
67.5	482	475	469	466	467	460	458
70.0	397	395	393	392	394	389	385
72.5	321	322	322	319	318	313	307
75.0	247	243	244	243	243	242	234
77.5	179	175	171	173	172	173	164
80.0	115	116	113	112	114	115	108
82.5	65	67	68	67	68	68	65
85.0	30	32	35	35	35	35	35
87.5	21	21	21	21	21	21	21
90.0	0	0	0	0	0	0	0

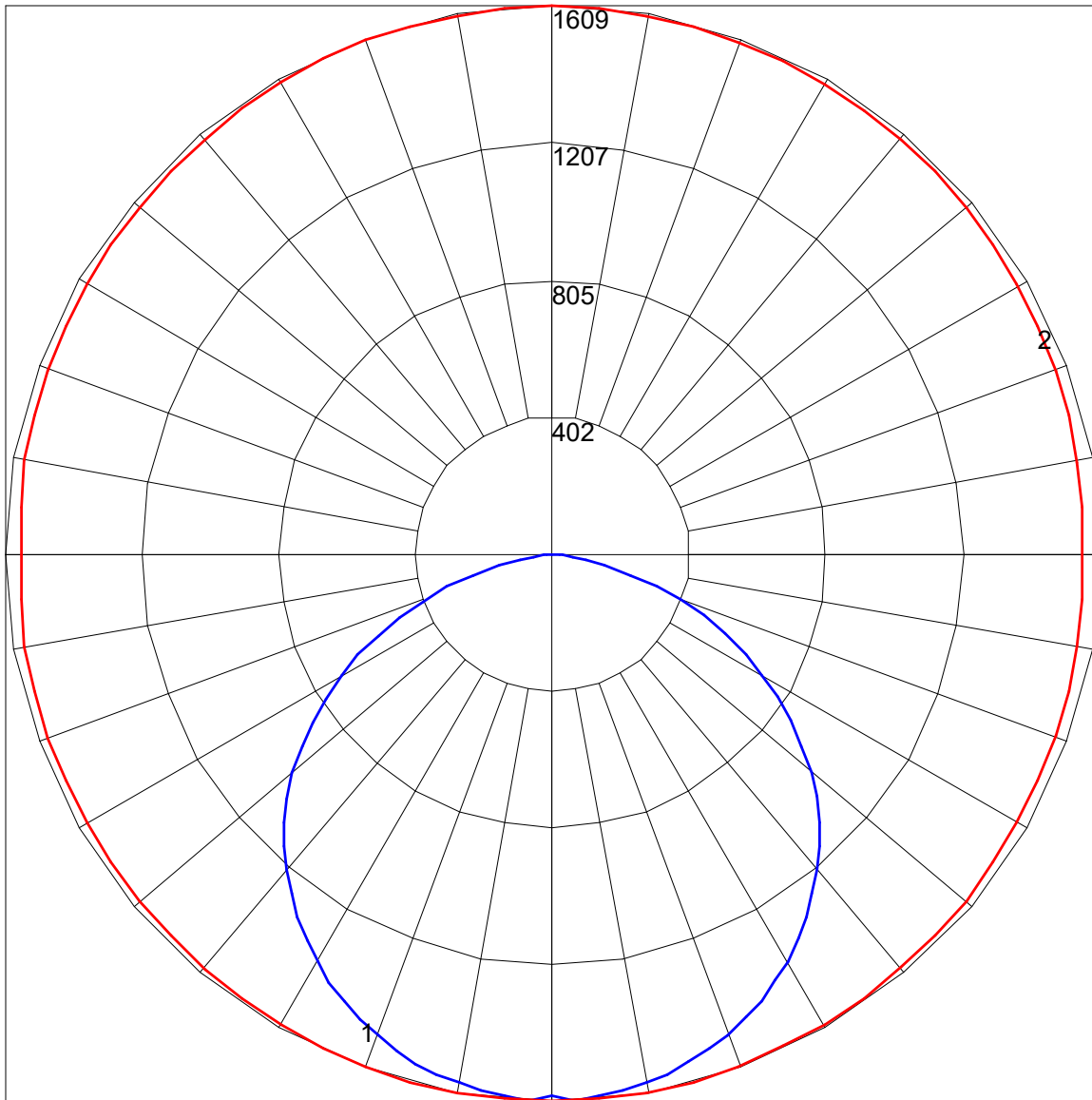
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

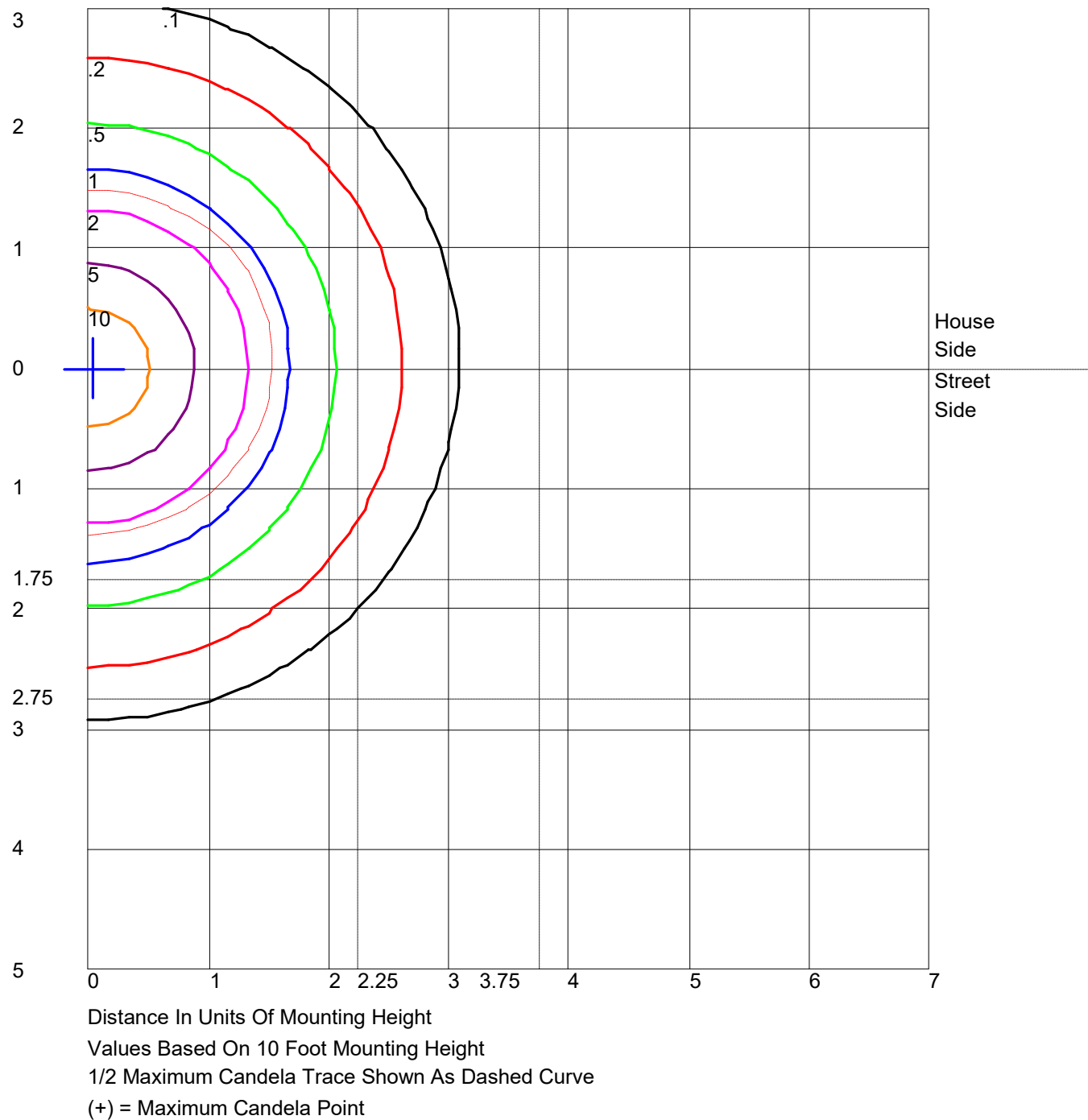
	Lumens	Percent Of Luminaire
Downward Street Side	2180.7	48.9
Downward House Side	2274.6	51.1
Downward Total	4455.3	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	4455.3	100.0

POLAR GRAPH

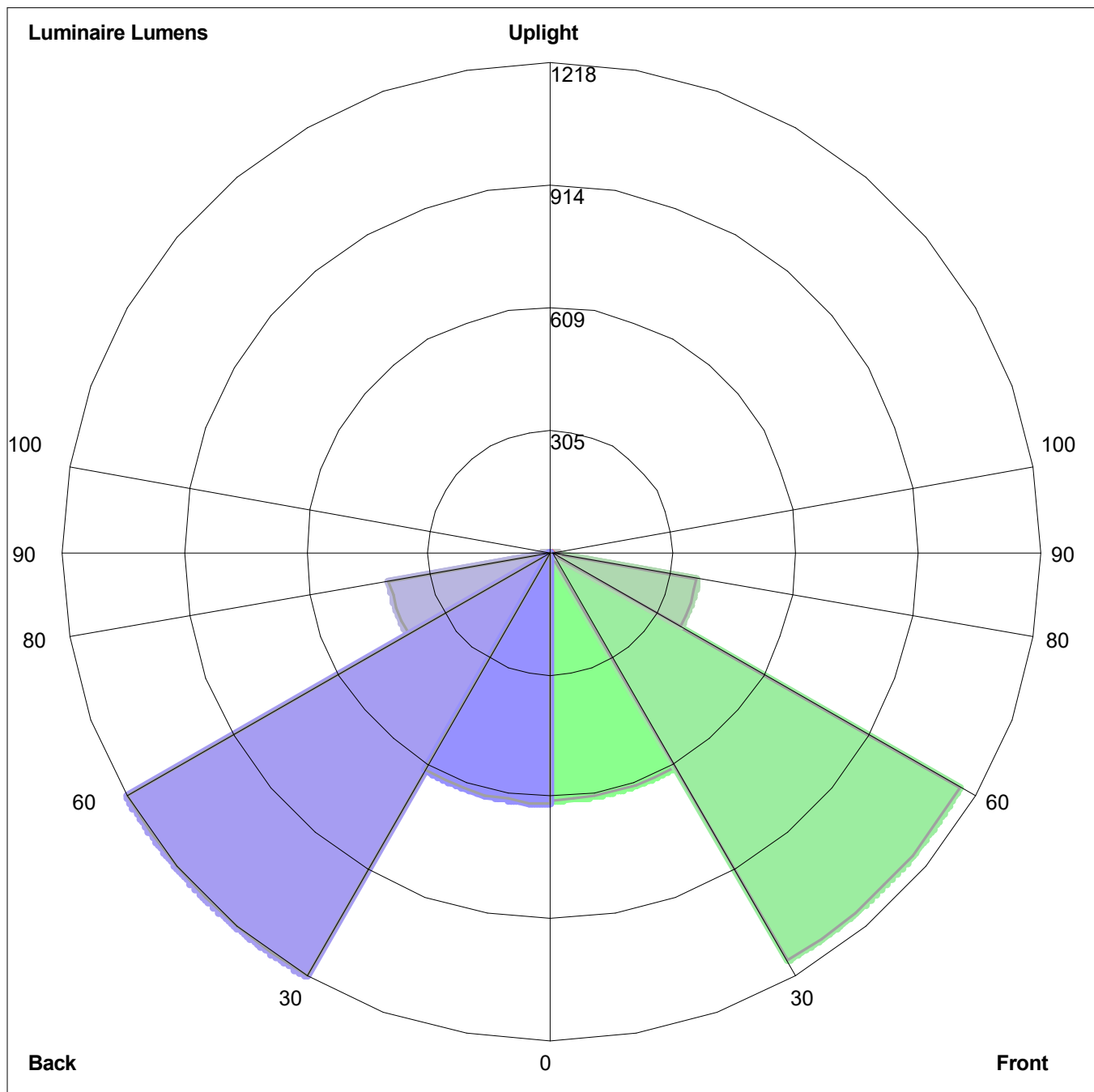


Maximum Candela = 1609 Located At Horizontal Angle = 95, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (95 - 275) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=617.0, Medium=1174.5, High=370.0, Very High=19.3
Back: Low=625.0, Medium=1218.1, High=408.6, Very High=22.9
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1