



8165 E Kaiser Blvd. Anaheim, CA 92808  
 p. 714.282.2270  
 f. 714.676.5558

Report No: L091604008R02

Date: 11/3/2016



NVLAP LAB CODE 200927-0

**Report No:** L091604008R02

**Report Prepared For:** Leotek Electronics USA, LLC  
 1955 Lundy Ave, San Jose, 95131

**Model Number:** GCJ0-15H-MV-CW-3-XX-490

**Test:** Electrical and Photometric tests

**Standards Used:** Appropriate part or all test guidelines were used for test performed:  
*IESNA LM79: 2008* Approved Methods for Electrical and Photometric Measurements of Solid-State Lighting Products  
*ANSI NEMA ANSLG C78.377: 2008* Specification of the Chromaticity of Solid State Lighting Products  
*ANSI C82.77:2002:* Harmonic Emission Limits-Related Quality Requirements for Lighting Equipment

**Description of Sample:** Client submitted the sample. Catalog number is GCJ0-15H-MV-CW-3-XX-490 . Received in working and undamaged condition. No modifications were necessary.

**Testing Condition:** Fixture is tested with no special conditions.

**Sample Arrival Date:** 9/12/16

**Date of Tests:** 9/22/16 - 9/22/16

**Seasoning of Sample:** No seasoning was performed in accordance with IESNA LM-79.

**Equipment List**

Equipment Used	Model No	Stock No	Calibration Due Date
Chroma Programmable AC Source	61604	PS-AC02	--
Yokogawa Digital Power Meter	WT210	MT-EL06-S1	11/18/16
Xitron Power Analyzer	2503AH	MT-EL01	11/30/16
ITECH DC Power Supply	IT6122	PSDC-03-S1	11/17/16
Fluke Digital Thermometer	52k/J	MT-TP02-GC	11/24/16
LLI Type C Goniophotometer System	RMG-C-MKII	CD-LL04-GC	--
LLI 2M Sphere	2MR97	CD-SN03-S2	--
LLI Spectroradiometer	SPR-3000	MT-SC01-S2	Before Use

\*All Results in accordance to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting.

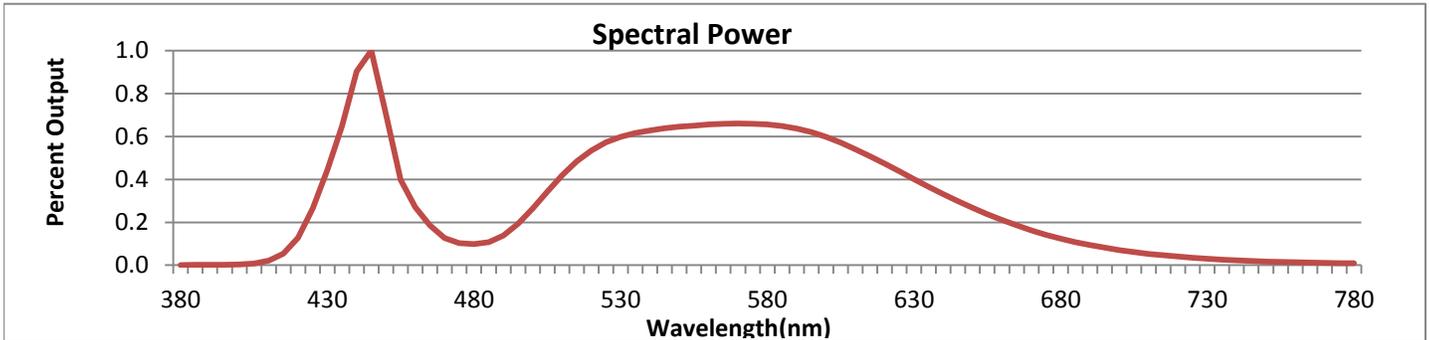
**Test Summary**

<b>Manufacturer:</b>	Leotek Electronics USA, LLC	
<b>Model Number:</b>	GCJ0-15H-MV-CW-3-XX-490	
<b>Driver Model Number:</b>	LITEON PA-1600-31SL	
<b>Total Lumens:</b>	3052.50	
<b>Input Voltage (VAC/60Hz):</b>	120.00	
<b>Input Current (Amp):</b>	0.21	
<b>Input Power (W):</b>	24.19	
<b>Input Power Factor:</b>	0.98	
<b>Current ATHD @ 120V(%):</b>	13%	
<b>Current ATHD @ 240V(%):</b>	17% (0.11A, 23.69W, 0.93PF)	
<b>Efficacy:</b>	126	
<b>Color Rendering Index (CRI):</b>	72	
<b>Correlated Color Temperature (K):</b>	4810	
<b>Chromaticity Coordinate x:</b>	0.3521	
<b>Chromaticity Coordinate y:</b>	0.3674	
<b>Ambient Temperature (°C):</b>	25.0	
<b>Stabilization Time (Hours):</b>	0:30	
<b>Total Operating Time (Hours):</b>	1:25	
<b>Off State Power(W):</b>	0.00	



FIG. 1 LUMINAIRE

\*All Results in accordance to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting.



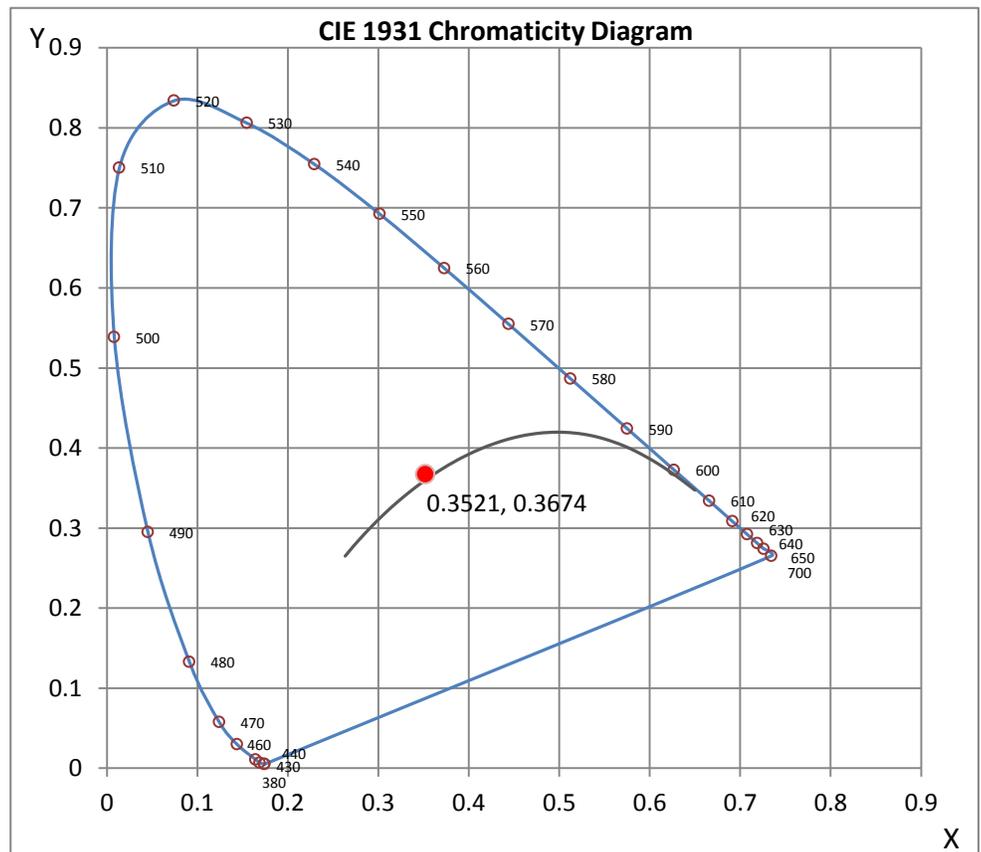
Wavelength	W/m <sup>2</sup> nm	440	0.9036	510	0.4187	580	0.6557	650	0.2678	720	0.0401
380	0.0011	450	0.7045	520	0.5351	590	0.6367	660	0.2114	730	0.0303
390	0.0016	460	0.2706	530	0.5990	600	0.5985	670	0.1629	740	0.0230
400	0.0041	470	0.1264	540	0.6289	610	0.5413	680	0.1240	750	0.0175
410	0.0207	480	0.0980	550	0.6453	620	0.4741	690	0.0937	760	0.0133
420	0.1287	490	0.1382	560	0.6566	630	0.4017	700	0.0705	770	0.0102
430	0.4438	500	0.2649	570	0.6613	640	0.3320	710	0.0531	780	0.0090

**CRI & CCT**

x	0.3521
y	0.3674
u'	0.2101
v'	0.4932
CRI	71.60
CCT	4810
Duv	0.00505

**R Values**

R1	69.73
R2	74.91
R3	79.76
R4	73.60
R5	70.09
R6	66.51
R7	79.85
R8	58.47
R9	-24.82
R10	41.42
R11	72.15
R12	44.56
R13	69.62
R14	88.18



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**Test Methods**

**Photometric Measurements - Goniophotometer**

A Custom Light Laboratory Type C Rotating Mirror Goniophotometer was used to measure candelas(intensity) at each angle of distribution as defined by IESNA for the appropriate fixture type.

Ambient temperature is set to 25°C and is measured from the center of the fixture, within 1ft from the outside of the fixture. Temperature is maintained at 25°C throughout the testing process and the sample is stabilized for at least 30mins and longer as necessary for the sample to achieve stabilization.

Electrical measurements are measured using the listed equipment.

**Spectral Measurements - Integrating Sphere**

A Sensing Spectroradiometer SPR-3000, in conjunction with Light Laboratory 2 meter integrating sphere was used to measure chromaticity coordinates, correlated color temperature(CCT) and the color rendering index(CRI) for each sample.

Ambient temperature is set to 25°C and is measured from the center of the fixture, within 1ft from the outside of the fixture. Temperature is maintained at 25°C throughout the testing process and the sample is stabilized for at least 30mins and longer as necessary for the sample to achieve stabilization.

Electrical measurements are measured using the listed equipment.

**Disclaimers:**

This report must not be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST or any agency of Federal Government.

Report Prepared by : JEFF AHN

Test Report Released by:

Test Report Reviewed by:

Jeff Ahn  
 Engineering Manager

Steve Kang  
 Quality Assurance

*\*Attached are photometric data reports. Total number of pages: 14*

\*All Results in accordance to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting.



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# Photometric Test Report

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : L091604008R01.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L091604008R01  
 [TESTLAB] LIGHT LABORATORY, INC.  
 [ISSUEDATE] 9/27/2016  
 [MANUFAC] Leotek Electronics USA, LLC  
 [LUMCAT] GCJ0-15H-MV-CW-3-XX-490  
 [LUMINAIRE] 18.25"L. X 9.5"W. X 4.5"H. LED STREET LIGHT  
 [BALLASTCAT] LITEON PA-1600-31SL  
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND  
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.  
 [\_INPUT] 120VAC, 24.19W  
 [\_TEST PROCEDURE] IESNA:LM-79-08

**CHARACTERISTICS**

IES Classification	Type III
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3052
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	24.19
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1869
Maximum Candela Angle	45H 69V
Maximum Candela (<90 Degrees Vertical)	1869
Maximum Candela Angle (<90 Degrees Vertical)	45H 69V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	157 (5.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : L091604008R01.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	176.8	N.A.	5.8
FM - Front-Medium (30-60)	845.8	N.A.	27.7
FH - Front-High (60-80)	1003.0	N.A.	32.9
FVH - Front-Very High (80-90)	14.8	N.A.	0.5
BL - Back-Low (0-30)	184.3	N.A.	6.0
BM - Back-Medium (30-60)	596.1	N.A.	19.5
BH - Back-High (60-80)	227.6	N.A.	7.5
BVH - Back-Very High (80-90)	4.1	N.A.	0.1
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	3052.5	N.A.	100.0
BUG Rating	B1-U0-G1		

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : L091604008R01.IES**

**CANDELA TABULATION**

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
<b>0.0</b>	302	302	302	302	302	302	302	302	302	302
<b>2.5</b>	303	302	299	300	299	298	298	298	297	297
<b>5.0</b>	296	296	295	296	294	292	293	292	294	294
<b>7.5</b>	292	293	292	294	293	291	292	294	297	299
<b>10.0</b>	294	294	295	298	298	297	299	302	306	310
<b>12.5</b>	303	303	307	310	310	311	313	319	324	329
<b>15.0</b>	321	322	327	330	330	332	334	340	348	355
<b>17.5</b>	340	343	348	353	354	358	360	366	376	385
<b>20.0</b>	364	367	374	378	381	385	389	395	407	416
<b>22.5</b>	392	394	402	405	409	414	418	425	438	449
<b>25.0</b>	425	428	433	438	441	444	447	456	467	476
<b>27.5</b>	458	464	465	468	474	472	475	486	494	503
<b>30.0</b>	492	495	496	498	503	499	503	513	516	526
<b>32.5</b>	522	528	526	527	530	527	529	537	539	547
<b>35.0</b>	551	557	554	554	555	552	553	558	561	565
<b>37.5</b>	573	583	580	579	576	574	575	579	577	577
<b>40.0</b>	592	600	599	596	593	595	595	596	594	593
<b>42.5</b>	611	614	614	612	608	610	611	611	609	607
<b>45.0</b>	628	632	632	631	627	630	636	637	629	623
<b>47.5</b>	653	659	659	660	655	661	676	679	667	650
<b>50.0</b>	695	704	703	702	695	707	736	744	732	695
<b>52.5</b>	786	797	787	773	760	775	808	824	817	756
<b>55.0</b>	928	937	924	903	874	868	899	921	894	832
<b>56.0</b>	974	984	976	967	945	927	950	964	930	871
<b>57.0</b>	1015	1027	1025	1032	1018	991	1006	1011	968	911
<b>58.0</b>	1046	1059	1063	1083	1083	1064	1072	1066	1012	953
<b>59.0</b>	1070	1083	1091	1119	1136	1141	1148	1130	1060	998
<b>60.0</b>	1093	1103	1117	1151	1182	1212	1225	1201	1117	1046
<b>61.0</b>	1123	1130	1146	1181	1220	1264	1301	1288	1199	1110
<b>62.0</b>	1153	1155	1173	1208	1253	1307	1371	1377	1290	1180
<b>63.0</b>	1179	1180	1200	1237	1283	1345	1433	1467	1394	1272
<b>64.0</b>	1201	1202	1226	1266	1311	1380	1484	1551	1508	1383
<b>65.0</b>	1215	1217	1244	1288	1331	1403	1522	1624	1619	1501
<b>66.0</b>	1220	1223	1250	1294	1336	1409	1531	1674	1727	1647
<b>67.0</b>	1207	1211	1240	1285	1328	1399	1524	1703	1818	1782
<b>68.0</b>	1146	1154	1189	1242	1298	1372	1496	1692	1856	1860
<b>69.0</b>	1033	1045	1091	1163	1238	1321	1445	1636	1835	1869
<b>70.0</b>	886	903	956	1043	1139	1233	1362	1547	1771	1822
<b>71.0</b>	657	673	720	804	912	1032	1194	1390	1607	1628
<b>72.0</b>	421	434	472	549	661	802	996	1202	1402	1390
<b>73.0</b>	263	272	301	361	457	585	769	960	1141	1143
<b>74.0</b>	187	194	214	252	309	395	525	676	837	901
<b>75.0</b>	134	138	151	168	192	235	309	417	554	673
<b>76.0</b>	94	98	106	122	143	170	218	292	394	500
<b>77.0</b>	65	67	74	91	116	135	164	207	274	352
<b>78.0</b>	47	49	53	71	97	109	127	152	195	248
<b>79.0</b>	38	40	44	58	77	87	99	118	151	186
<b>80.0</b>	34	35	38	49	62	70	78	94	117	137
<b>82.5</b>	24	25	27	30	35	37	39	43	48	53
<b>85.0</b>	10	10	11	12	15	16	16	18	19	20
<b>87.5</b>	2	2	3	3	4	4	5	5	6	7
<b>90.0</b>	0	0	0	0	0	0	0	0	0	0

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : L091604008R01.IES**

**CANDELA TABULATION - (Cont.)**

Vert. Angles	Horizontal Angles									
	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	<u>95</u>
0.0	302	302	302	302	302	302	302	302	302	302
2.5	298	298	296	296	297	297	296	296	296	296
5.0	296	297	296	297	298	299	299	299	299	301
7.5	301	303	303	305	307	308	308	308	309	312
10.0	313	316	319	322	324	325	325	326	328	330
12.5	333	335	340	345	349	350	349	351	352	355
15.0	357	362	370	376	379	380	380	380	383	385
17.5	388	394	404	411	414	414	415	415	418	421
20.0	421	427	438	447	449	449	450	452	455	458
22.5	454	461	471	482	486	487	488	490	493	496
25.0	485	493	504	513	519	523	524	526	529	534
27.5	514	523	534	544	552	558	561	561	565	570
30.0	540	550	562	572	582	591	594	593	597	605
32.5	558	571	588	597	609	620	625	625	628	637
35.0	575	589	607	620	633	644	652	653	657	667
37.5	590	602	625	640	654	662	671	678	685	695
40.0	601	610	637	653	666	676	688	699	709	727
42.5	612	622	646	663	678	688	704	720	738	760
45.0	623	629	651	672	690	708	729	753	773	799
47.5	641	641	661	688	717	742	771	795	818	849
50.0	676	667	688	722	758	793	825	853	877	906
52.5	729	713	734	772	813	854	889	917	939	973
55.0	797	779	791	832	876	921	954	978	1003	1030
56.0	831	808	819	859	902	943	976	1002	1027	1051
57.0	867	839	849	887	929	965	999	1027	1050	1073
58.0	904	873	881	916	956	990	1025	1053	1075	1094
59.0	943	911	914	944	985	1020	1055	1081	1102	1116
60.0	985	953	952	976	1017	1055	1090	1115	1133	1143
61.0	1038	1000	994	1017	1058	1097	1137	1165	1182	1190
62.0	1098	1053	1043	1067	1107	1149	1193	1223	1238	1239
63.0	1175	1122	1113	1144	1190	1239	1286	1309	1309	1288
64.0	1271	1211	1204	1248	1305	1366	1413	1420	1391	1333
65.0	1381	1316	1307	1357	1423	1493	1537	1528	1468	1367
66.0	1548	1483	1449	1475	1534	1603	1637	1613	1525	1378
67.0	1709	1640	1581	1581	1631	1697	1721	1683	1567	1375
68.0	1787	1693	1630	1628	1686	1758	1779	1727	1576	1348
69.0	1776	1635	1588	1610	1695	1780	1807	1743	1549	1293
70.0	1713	1542	1519	1567	1676	1771	1797	1718	1491	1212
71.0	1545	1421	1427	1499	1617	1699	1695	1592	1365	1069
72.0	1342	1280	1314	1400	1518	1583	1544	1417	1204	901
73.0	1129	1109	1139	1206	1299	1339	1281	1148	961	696
74.0	919	911	909	926	971	984	924	800	652	469
75.0	714	715	683	654	656	645	585	475	366	266
76.0	544	542	514	490	487	465	402	308	235	180
77.0	392	385	366	359	359	332	266	191	149	129
78.0	280	274	262	261	258	230	172	119	99	95
79.0	209	209	196	192	181	155	115	85	73	74
80.0	152	157	145	136	118	95	75	63	57	58
82.5	57	60	57	52	38	26	23	23	21	22
85.0	21	21	20	19	18	17	16	17	17	16
87.5	7	8	9	10	11	12	12	12	12	11
90.0	0	0	0	0	0	0	0	0	0	0

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : L091604008R01.IES**

**CANDELA TABULATION - (Cont.)**

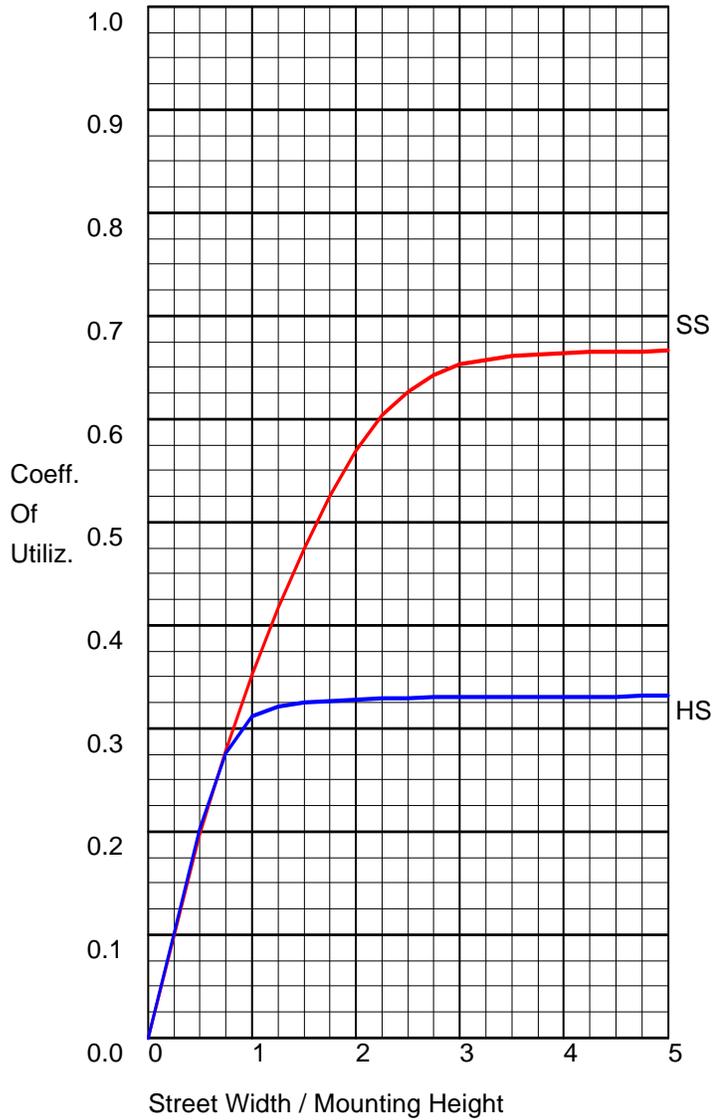
Vert. Angles	Horizontal Angles									
	<u>100</u>	<u>105</u>	<u>110</u>	<u>115</u>	<u>120</u>	<u>125</u>	<u>130</u>	<u>135</u>	<u>140</u>	<u>145</u>
0.0	302	302	302	302	302	302	302	302	302	302
2.5	297	298	300	301	302	304	304	304	305	305
5.0	302	304	307	307	308	309	309	309	309	309
7.5	315	317	320	320	320	320	319	318	318	315
10.0	332	335	337	337	336	335	332	331	330	326
12.5	357	361	362	362	360	356	353	352	348	342
15.0	388	392	393	393	391	384	381	377	371	362
17.5	425	427	430	429	426	417	412	406	397	385
20.0	462	464	467	468	461	453	445	437	424	411
22.5	500	502	506	507	499	491	483	469	455	439
25.0	539	543	546	544	539	532	520	504	490	474
27.5	577	582	585	582	578	573	559	545	532	520
30.0	613	621	623	622	620	614	604	595	583	573
32.5	649	659	663	663	664	660	656	644	631	613
35.0	681	692	702	707	711	710	701	686	664	633
37.5	712	727	737	752	760	754	737	712	677	625
40.0	746	765	781	794	796	790	754	710	652	592
42.5	784	804	823	829	824	800	747	684	617	547
45.0	825	848	865	861	839	793	716	640	562	463
47.5	877	897	900	883	837	759	654	561	450	326
50.0	933	944	931	885	807	695	588	461	315	173
52.5	990	986	951	877	761	631	468	300	154	91
55.0	1040	1022	962	852	700	526	330	154	88	70
56.0	1057	1034	965	838	672	482	279	126	78	64
57.0	1073	1044	966	821	643	436	233	105	71	61
58.0	1091	1055	963	804	611	393	192	89	66	57
59.0	1111	1066	956	786	579	353	161	78	61	54
60.0	1133	1077	949	765	544	313	134	69	58	52
61.0	1169	1095	949	741	503	278	119	63	55	49
62.0	1204	1110	947	713	461	245	109	59	52	47
63.0	1228	1112	929	678	419	215	98	56	50	45
64.0	1238	1098	895	633	379	187	86	52	47	42
65.0	1237	1073	850	582	336	161	75	49	44	39
66.0	1217	1026	786	517	285	135	66	46	40	37
67.0	1181	966	713	447	234	110	59	42	37	34
68.0	1120	887	630	372	185	89	53	39	35	32
69.0	1031	789	540	293	141	73	47	36	32	30
70.0	925	678	443	219	103	59	42	33	30	28
71.0	779	538	332	164	81	50	37	31	28	26
72.0	622	395	224	117	64	44	33	28	25	23
73.0	465	282	153	86	53	38	30	26	23	21
74.0	315	202	118	70	45	34	27	23	21	19
75.0	187	138	93	57	38	30	25	21	19	17
76.0	135	106	74	47	33	26	22	19	17	15
77.0	106	86	58	37	28	23	19	17	15	12
78.0	84	70	46	31	24	20	17	15	12	10
79.0	65	54	36	26	21	17	15	12	10	8
80.0	51	42	29	22	18	15	12	10	8	7
82.5	22	19	17	15	11	10	8	6	6	5
85.0	15	12	11	10	9	8	7	6	5	5
87.5	10	9	9	8	8	6	4	3	2	2
90.0	0	0	0	0	0	0	0	0	0	0

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : L091604008R01.IES**

**CANDELA TABULATION - (Cont.)**

Vert. Angles	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	302	302	302	302	302	302	302
2.5	305	305	307	308	309	309	309
5.0	307	307	310	311	312	311	310
7.5	312	312	316	318	319	317	316
10.0	324	323	325	326	327	325	324
12.5	338	338	338	338	337	335	335
15.0	357	355	352	352	349	347	347
17.5	377	372	367	365	361	358	357
20.0	399	389	384	379	373	370	368
22.5	425	412	405	399	392	390	389
25.0	459	446	440	434	427	426	422
27.5	506	491	486	473	464	459	455
30.0	555	534	517	498	485	476	471
32.5	586	551	522	495	474	460	458
35.0	592	545	500	472	450	433	432
37.5	568	518	477	450	429	410	410
40.0	530	481	438	406	378	357	356
42.5	477	414	348	297	254	231	226
45.0	364	274	203	158	133	120	116
47.5	214	140	101	87	80	77	76
50.0	104	83	74	69	66	65	64
52.5	75	66	62	60	59	58	58
55.0	62	58	56	54	53	52	52
56.0	59	55	53	52	51	49	50
57.0	56	53	50	49	48	47	47
58.0	54	51	48	47	46	45	45
59.0	51	48	46	44	43	43	42
60.0	48	46	44	42	40	40	39
61.0	46	44	42	39	38	38	37
62.0	44	40	38	37	36	36	36
63.0	42	38	36	35	34	34	34
64.0	38	36	34	33	32	33	33
65.0	36	34	32	31	30	31	32
66.0	34	32	30	29	28	29	31
67.0	32	30	28	27	27	28	29
68.0	30	28	26	25	25	26	27
69.0	27	26	24	23	23	24	25
70.0	25	24	22	21	21	22	22
71.0	23	22	20	19	19	19	19
72.0	21	20	18	17	17	16	16
73.0	19	18	16	15	15	13	13
74.0	18	16	13	12	12	11	11
75.0	16	13	11	10	10	9	9
76.0	13	11	9	8	8	7	7
77.0	10	9	8	7	6	5	5
78.0	8	7	6	5	4	3	3
79.0	6	5	4	4	3	3	3
80.0	5	4	3	3	2	2	2
82.5	4	3	3	2	2	2	1
85.0	4	4	3	2	2	2	1
87.5	3	3	2	2	1	1	1
90.0	0	0	0	0	0	0	0

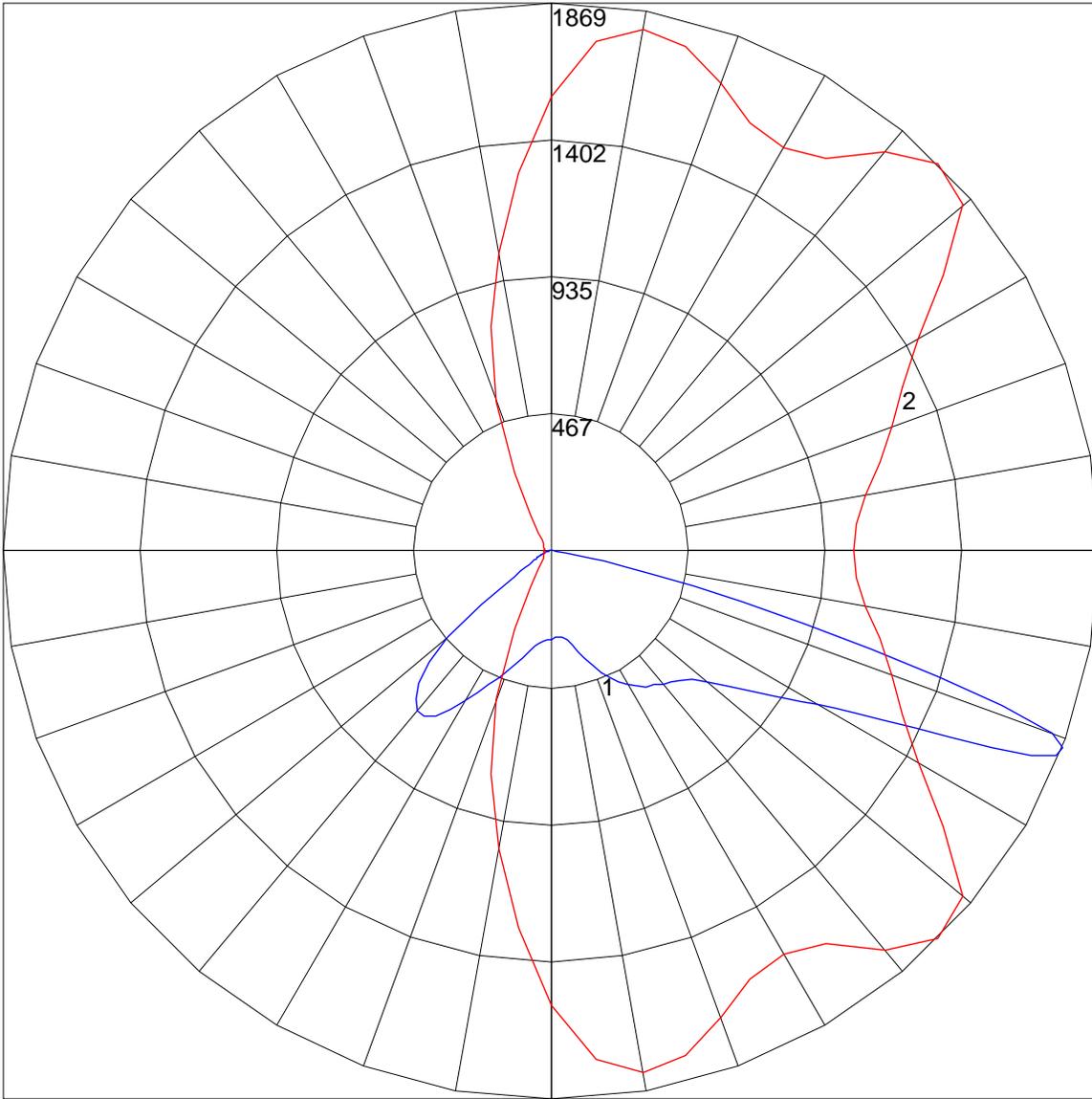
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

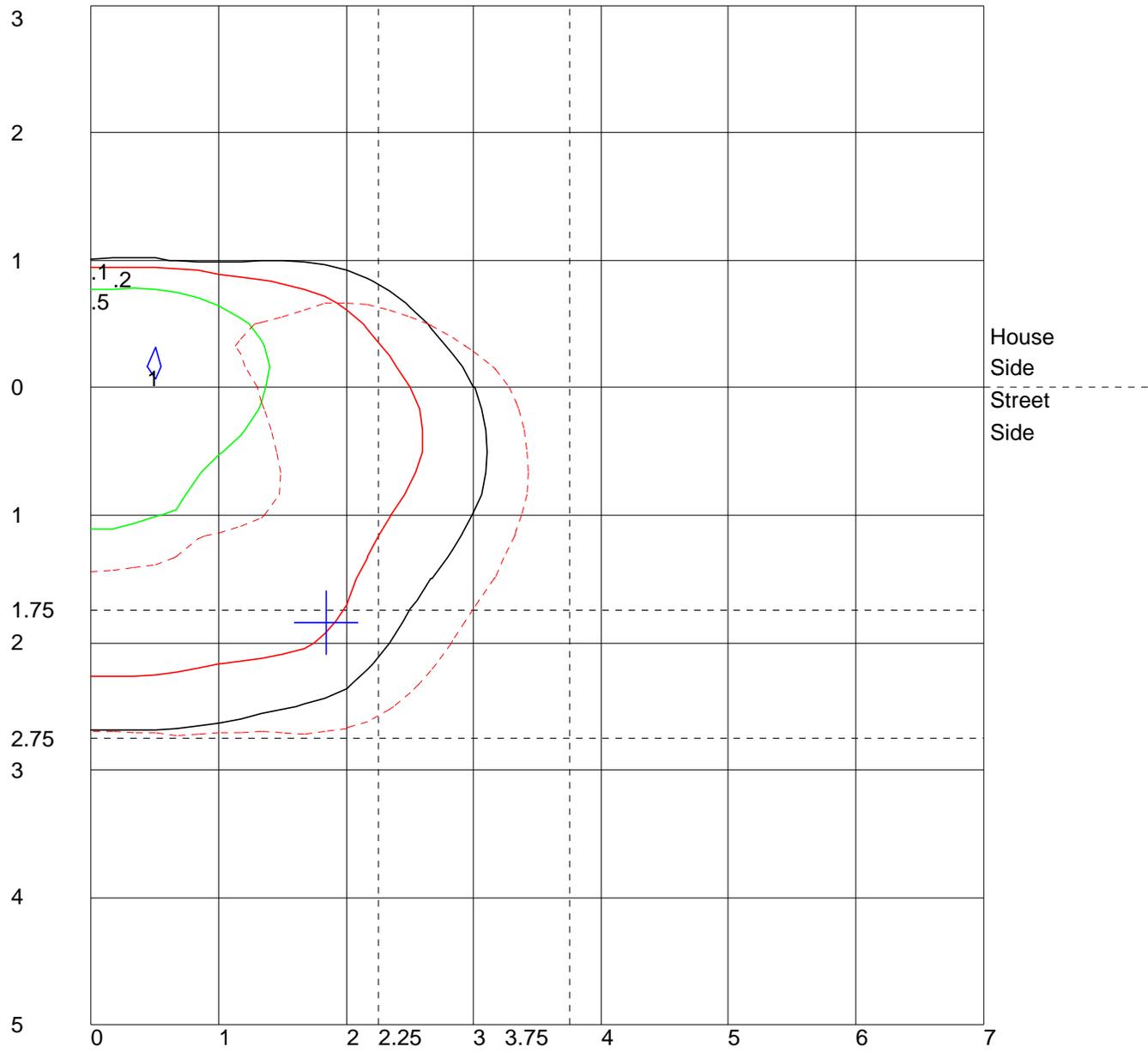
	Lumens	Percent Of Luminaire
Downward Street Side	2040.4	66.8
Downward House Side	1012.1	33.2
Downward Total	3052.5	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
<b>Total Flux</b>	<b>3052.5</b>	<b>100.0</b>

POLAR GRAPH



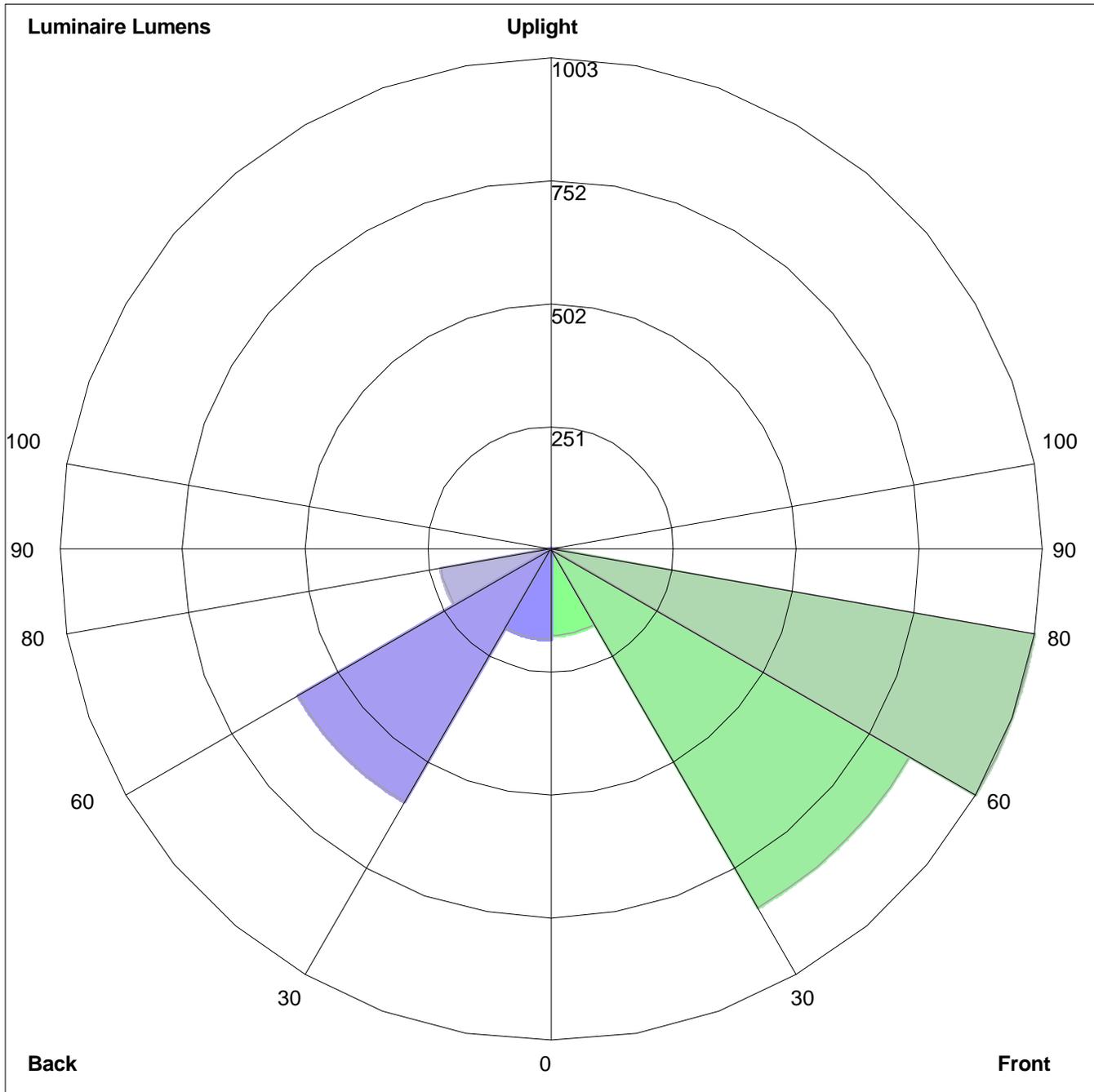
Maximum Candela = 1869 Located At Horizontal Angle = 45, Vertical Angle = 69  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (69) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height  
 Values Based On 20 Foot Mounting Height  
 1/2 Maximum Candela Trace Shown As Dashed Curve  
 (+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
 Front: Low=176.8, Medium=845.8, High= 1003.0, Very High=14.8  
 Back: Low=184.3, Medium=596.1, High=227.6, Very High=4.1  
 Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1