



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : GST-06L-FT-30.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-12865  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 08/26/2021  
[TEST DATE] 07/29/21  
[MANUFACT] LSI INDUSTRIES, INC.  
[LUMCAT] GST-06L-FT-30  
[OTHER] TEST PROCEDURE: IESNA LM-79-08  
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER] SCALED FROM ORIGINAL TEST DATA  
[SEARCH\_SOURCETYPE] LED  
[SEARCH\_APPLICATION] OUTDOOR  
[SEARCH\_COLORTEMP] 3000

**CHARACTERISTICS**

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5535
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	49
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2618
Maximum Candela Angle	5H 27.5V
Maximum Candela (<90 Degrees Vertical)	2618
Maximum Candela Angle (<90 Degrees Vertical)	5H 27.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	200 (3.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	993.9	N.A.	18.0
FM - Front-Medium (30-60)	2172.6	N.A.	39.3
FH - Front-High (60-80)	686.7	N.A.	12.4
FVH - Front-Very High (80-90)	27.9	N.A.	0.5
BL - Back-Low (0-30)	697.9	N.A.	12.6
BM - Back-Medium (30-60)	806.2	N.A.	14.6
BH - Back-High (60-80)	141.9	N.A.	2.6
BVH - Back-Very High (80-90)	7.9	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	5535.0	N.A.	100.0
BUG Rating	B2-U0-G1		

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**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b>0</b>	<b>5</b>	<b>15</b>	<b>25</b>	<b>35</b>	<b>45</b>	<b>55</b>	<b>65</b>	<b>75</b>	<b>85</b>
<b>0.0</b>	2135	2135	2135	2135	2135	2135	2135	2135	2135	2135
<b>2.5</b>	2145	2146	2149	2154	2160	2166	2171	2175	2175	2171
<b>5.0</b>	2202	2203	2201	2205	2205	2204	2201	2194	2184	2169
<b>7.5</b>	2276	2277	2272	2267	2260	2243	2226	2213	2194	2170
<b>10.0</b>	2353	2353	2349	2340	2328	2293	2259	2233	2207	2171
<b>12.5</b>	2383	2381	2384	2380	2365	2337	2294	2253	2216	2170
<b>15.0</b>	2439	2438	2423	2403	2385	2363	2327	2279	2223	2164
<b>17.5</b>	2514	2514	2502	2470	2426	2383	2351	2305	2227	2155
<b>20.0</b>	2550	2557	2557	2524	2486	2421	2363	2321	2225	2135
<b>22.5</b>	2565	2568	2565	2543	2524	2464	2367	2319	2210	2100
<b>25.0</b>	2601	2599	2585	2546	2528	2489	2385	2293	2183	2061
<b>27.5</b>	2610	2618	2596	2571	2531	2497	2391	2260	2149	2027
<b>30.0</b>	2596	2609	2595	2587	2528	2465	2365	2218	2124	1988
<b>32.5</b>	2575	2575	2581	2559	2497	2429	2326	2189	2074	1911
<b>35.0</b>	2537	2548	2544	2506	2459	2398	2274	2157	2007	1838
<b>37.5</b>	2493	2511	2493	2455	2410	2344	2214	2096	1925	1765
<b>40.0</b>	2437	2457	2428	2398	2350	2263	2153	2022	1844	1678
<b>42.5</b>	2366	2379	2351	2321	2271	2183	2082	1931	1759	1589
<b>45.0</b>	2286	2292	2266	2238	2182	2090	1986	1834	1659	1489
<b>47.5</b>	2191	2194	2171	2139	2082	1991	1882	1736	1561	1381
<b>50.0</b>	2076	2086	2067	2028	1969	1876	1768	1627	1449	1273
<b>52.5</b>	1946	1953	1936	1909	1846	1743	1631	1498	1338	1159
<b>55.0</b>	1790	1805	1791	1768	1710	1617	1498	1377	1219	1048
<b>57.5</b>	1639	1649	1638	1615	1562	1470	1358	1241	1099	937
<b>60.0</b>	1478	1478	1479	1455	1404	1318	1222	1108	973	824
<b>62.5</b>	1310	1309	1306	1291	1235	1165	1080	977	854	720
<b>65.0</b>	1136	1136	1135	1107	1069	1011	935	846	738	618
<b>67.5</b>	961	962	955	939	900	856	793	720	628	518
<b>70.0</b>	790	783	786	773	742	701	658	598	521	430
<b>72.5</b>	624	617	621	612	589	559	528	474	415	346
<b>75.0</b>	450	459	463	461	447	425	392	364	322	269
<b>77.5</b>	306	315	319	323	317	299	281	261	237	199
<b>80.0</b>	176	176	188	196	200	192	183	172	157	135
<b>82.5</b>	68	68	74	88	95	102	100	98	92	80
<b>85.0</b>	5	5	7	12	22	32	38	40	40	37
<b>87.5</b>	0	0	1	1	1	1	2	5	7	8
<b>90.0</b>	0	0	0	0	0	0	0	0	0	0

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b>90</b>	<b>95</b>	<b>105</b>	<b>115</b>	<b>125</b>	<b>135</b>	<b>145</b>	<b>155</b>	<b>165</b>	<b>175</b>
<b>0.0</b>	2135	2135	2135	2135	2135	2135	2135	2135	2135	2135
<b>2.5</b>	2171	2167	2157	2143	2129	2113	2099	2080	2065	2058
<b>5.0</b>	2162	2152	2133	2108	2085	2061	2036	2011	1988	1986
<b>7.5</b>	2157	2137	2101	2061	2023	1985	1956	1927	1902	1898
<b>10.0</b>	2153	2127	2069	2011	1956	1907	1864	1832	1814	1809
<b>12.5</b>	2142	2111	2046	1970	1902	1838	1790	1753	1727	1714
<b>15.0</b>	2136	2101	2027	1934	1849	1774	1704	1656	1638	1633
<b>17.5</b>	2121	2082	1996	1885	1799	1706	1632	1571	1546	1539
<b>20.0</b>	2092	2044	1940	1824	1735	1643	1561	1481	1441	1431
<b>22.5</b>	2048	1993	1870	1758	1650	1562	1474	1393	1338	1326
<b>25.0</b>	2015	1957	1814	1695	1572	1463	1376	1298	1229	1208
<b>27.5</b>	1976	1908	1746	1611	1487	1370	1269	1183	1109	1084

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**CANDELA TABULATION - (Cont.)**

30.0	1916	1838	1669	1516	1388	1271	1159	1066	1000	973
32.5	1844	1768	1591	1434	1291	1165	1046	955	889	850
35.0	1770	1686	1505	1339	1187	1049	938	846	770	729
37.5	1693	1590	1409	1241	1083	939	829	732	659	616
40.0	1595	1498	1308	1142	981	837	717	619	548	510
42.5	1499	1401	1209	1034	869	730	606	513	456	422
45.0	1397	1303	1109	930	771	630	510	429	380	351
47.5	1291	1190	1006	831	671	529	423	355	311	291
50.0	1182	1083	905	735	580	443	351	295	256	234
52.5	1074	974	800	638	489	367	291	241	206	189
55.0	966	874	706	545	410	304	239	195	166	152
57.5	860	772	609	466	338	249	193	157	133	121
60.0	758	669	526	392	278	202	155	126	105	97
62.5	652	579	446	326	226	162	123	99	84	78
65.0	554	491	374	267	183	131	98	80	69	63
67.5	467	413	310	216	146	104	79	64	56	52
70.0	386	338	253	171	116	81	62	51	45	43
72.5	310	272	199	132	87	63	48	41	37	36
75.0	241	211	153	97	65	47	37	31	29	28
77.5	179	157	110	68	46	35	27	24	24	23
80.0	123	106	75	45	31	23	18	17	17	16
82.5	75	65	45	27	18	14	11	11	11	11
85.0	33	32	21	12	8	7	6	6	7	7
87.5	8	8	5	3	2	2	2	2	2	2
90.0	0	0	0	0	0	0	0	0	0	0

**Vert. Horizontal Angles**  
**Angles**

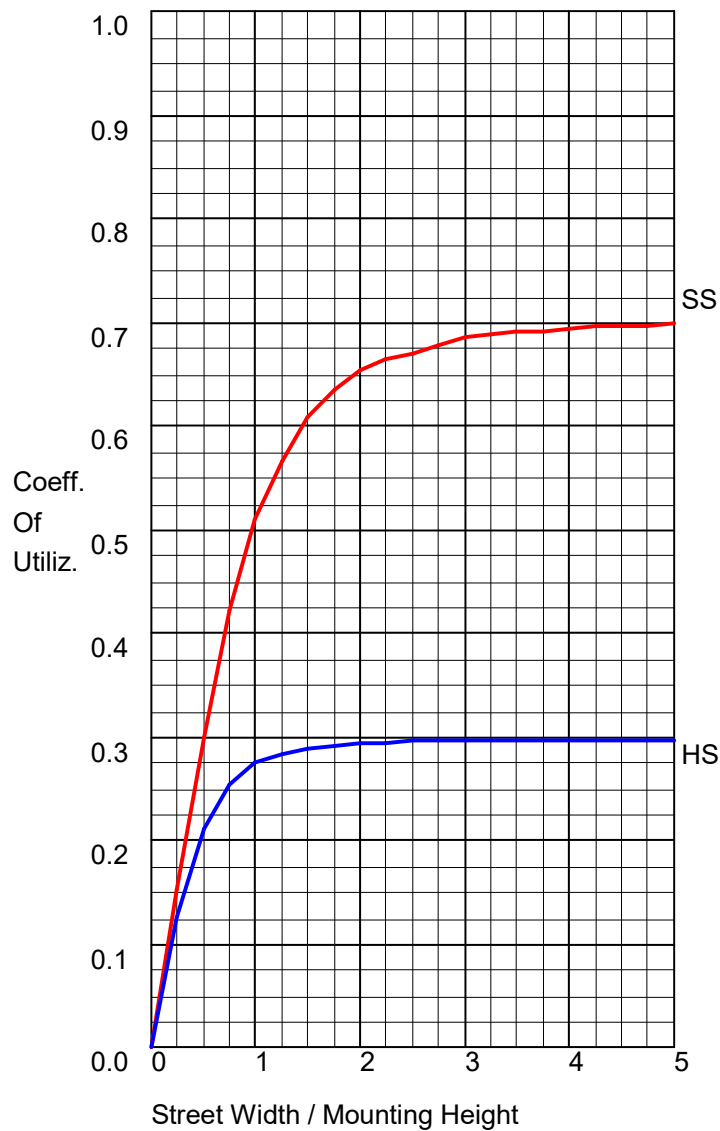
	<b>180</b>
0.0	2135
2.5	2057
5.0	1985
7.5	1899
10.0	1810
12.5	1714
15.0	1635
17.5	1536
20.0	1428
22.5	1329
25.0	1212
27.5	1088
30.0	964
32.5	850
35.0	732
37.5	617
40.0	510
42.5	420
45.0	349
47.5	288
50.0	234
52.5	189
55.0	148
57.5	117
60.0	95
62.5	78
65.0	63

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**CANDELA TABULATION - (Cont.)**

<b>67.5</b>	52
<b>70.0</b>	43
<b>72.5</b>	36
<b>75.0</b>	28
<b>77.5</b>	23
<b>80.0</b>	16
<b>82.5</b>	11
<b>85.0</b>	7
<b>87.5</b>	2
<b>90.0</b>	0

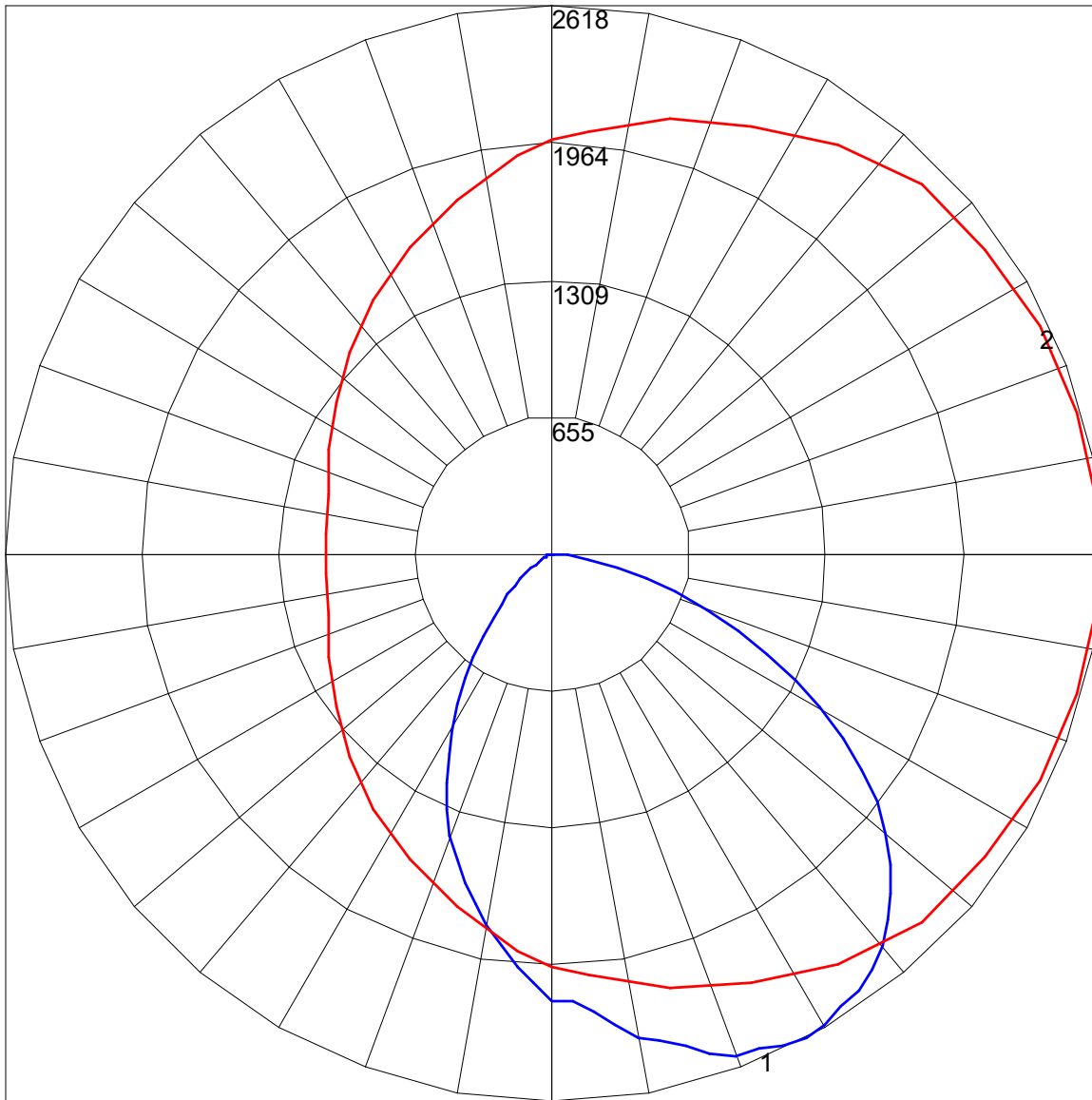
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

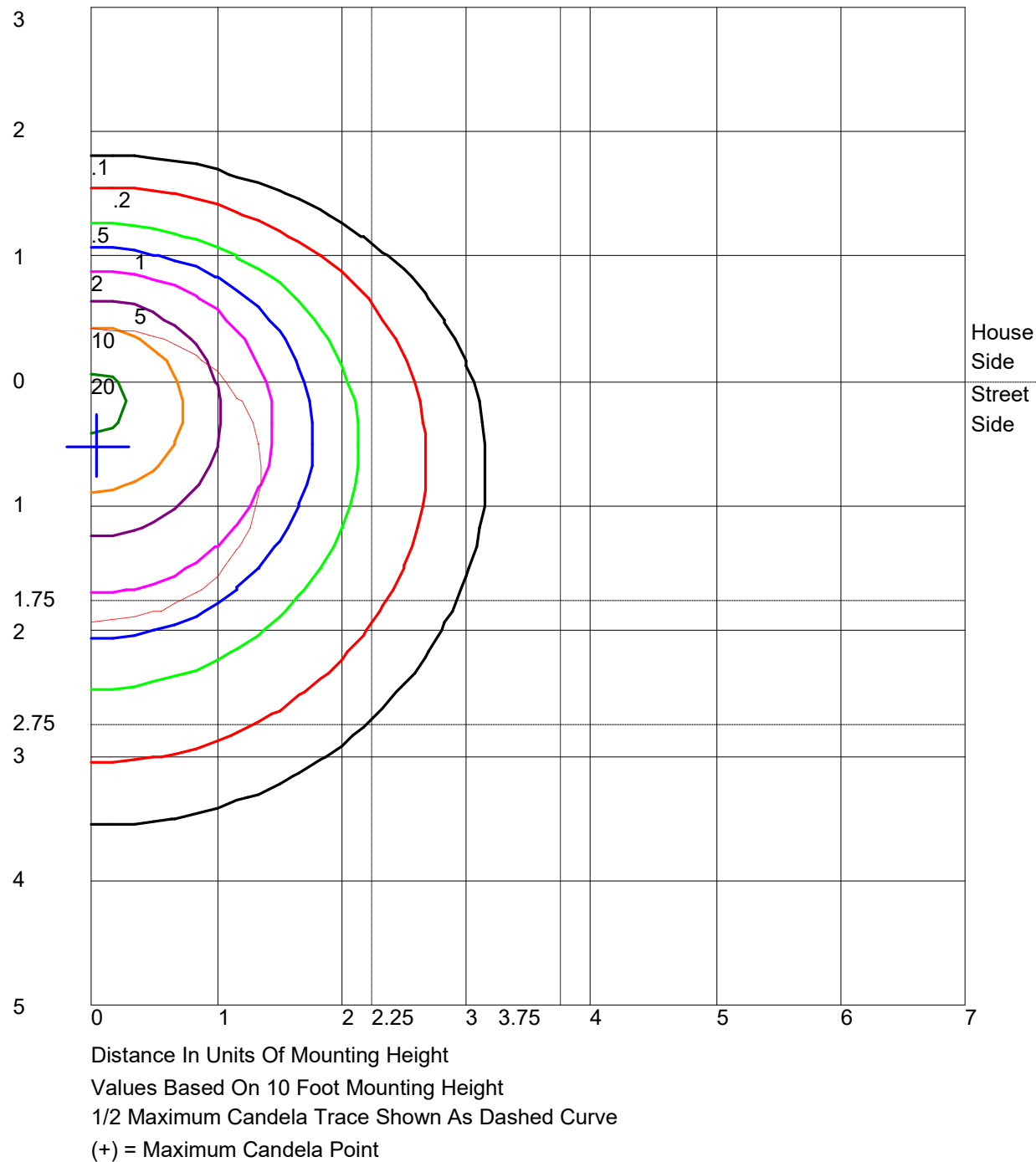
	Lumens	Percent Of Luminaire
Downward Street Side	3881.2	70.1
Downward House Side	1654.0	29.9
Downward Total	5535.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5535.2	100.0

POLAR GRAPH



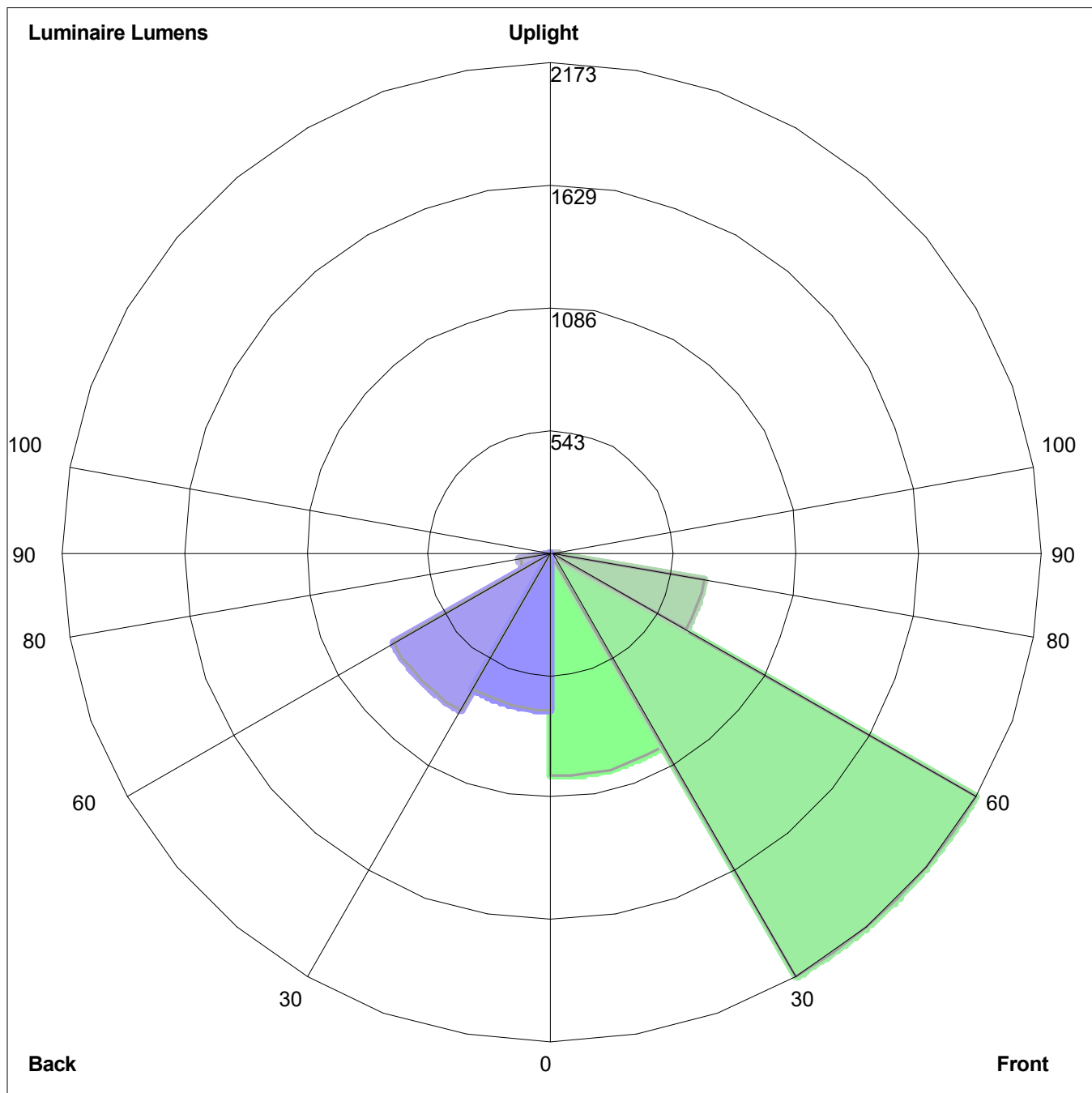
Maximum Candela = 2618 Located At Horizontal Angle = 5, Vertical Angle = 27.5  
# 1 - Vertical Plane Through Horizontal Angles (5 - 185) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (27.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=993.9, Medium=2172.6, High=686.7, Very High=27.9  
Back: Low=697.9, Medium=806.2, High=141.9, Very High=7.9  
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1