



IES ROAD REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-10L-T5W-30-70CRI-HSS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-10594_scaled

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUEDATE] 01/23/2020

[TESTDATE] 09/21/18

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] EXN-EGLED-10L-T5W-30-70CRI-HSS

[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER] TEST PROCEDURE: IESNA LM-79-08

[OTHER] SCALED FROM ORIGINAL TEST DATA

CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6620
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	76
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2263
Maximum Candela Angle	35H 60V
Maximum Candela (<90 Degrees Vertical)	2263
Maximum Candela Angle (<90 Degrees Vertical)	35H 60V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	862 (13.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : EXN-EGLED-10L-T5W-30-70CRI-HSS.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	332.8	N.A.	5.0
FM - Front-Medium (30-60)	2099.9	N.A.	31.7
FH - Front-High (60-80)	1678.2	N.A.	25.3
FVH - Front-Very High (80-90)	172.0	N.A.	2.6
BL - Back-Low (0-30)	308.9	N.A.	4.7
BM - Back-Medium (30-60)	1452.6	N.A.	21.9
BH - Back-High (60-80)	551.1	N.A.	8.3
BVH - Back-Very High (80-90)	24.8	N.A.	0.4
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	6620.3	N.A.	100.0
BUG Rating	B2-U0-G2		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>5.0</u>	<u>15.0</u>	<u>22.5</u>	<u>25.0</u>	<u>35.0</u>	<u>45.0</u>	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>
0.0	382	382	382	382	382	382	382	382	382	382
2.5	382	383	382	383	382	383	383	384	384	384
5.0	395	395	395	396	395	396	396	397	398	399
7.5	419	420	421	422	421	422	422	423	424	425
10.0	459	460	460	461	463	460	460	460	461	462
12.5	511	512	516	513	516	515	511	511	512	512
15.0	579	583	584	581	583	582	577	576	576	575
17.5	661	666	667	662	665	662	660	657	652	653
20.0	768	763	764	757	759	756	753	747	738	738
22.5	877	872	873	870	867	862	856	852	839	831
25.0	998	993	993	988	986	978	969	961	944	933
27.5	1128	1130	1119	1119	1110	1100	1091	1076	1060	1041
30.0	1262	1263	1247	1246	1238	1229	1210	1192	1171	1147
32.5	1392	1396	1383	1373	1364	1351	1331	1306	1280	1251
35.0	1513	1518	1508	1498	1493	1472	1447	1415	1385	1352
37.5	1616	1623	1622	1614	1613	1585	1557	1521	1485	1447
40.0	1709	1716	1722	1718	1718	1696	1659	1624	1581	1535
42.5	1794	1807	1811	1811	1812	1795	1760	1719	1671	1618
45.0	1882	1890	1900	1900	1902	1889	1858	1810	1758	1707
47.5	1961	1971	1990	1990	1989	1978	1954	1906	1847	1793
50.0	2037	2051	2076	2078	2073	2063	2050	1990	1932	1876
52.5	2103	2121	2154	2157	2152	2144	2131	2065	2004	1954
55.0	2148	2176	2216	2223	2219	2217	2198	2123	2058	2012
57.5	2170	2206	2256	2263	2261	2258	2240	2156	2088	2044
60.0	2163	2205	2257	2263	2263	2263	2247	2157	2087	2041
62.5	2125	2166	2218	2224	2225	2226	2211	2122	2051	1994
65.0	2038	2089	2137	2143	2147	2147	2131	2049	1971	1908
67.5	1917	1972	2014	2024	2026	2027	2008	1922	1855	1782
70.0	1754	1817	1850	1861	1861	1863	1836	1766	1694	1618
72.5	1556	1625	1651	1649	1659	1660	1635	1573	1503	1413
75.0	1329	1389	1416	1411	1421	1410	1399	1349	1281	1189
77.5	1081	1132	1124	1145	1128	1143	1133	1095	1032	941
80.0	822	840	840	862	847	846	849	821	765	684
82.5	534	561	559	578	567	565	553	546	490	428
85.0	292	304	304	306	309	307	300	273	258	220
87.5	98	102	102	102	104	103	95	87	75	68
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>85.0</u>	<u>90.0</u>	<u>95.0</u>	<u>105.0</u>	<u>115.0</u>	<u>125.0</u>	<u>135.0</u>	<u>145.0</u>	<u>155.0</u>	<u>165.0</u>
0.0	382	382	382	382	382	382	382	382	382	382
2.5	384	384	384	384	384	384	383	383	382	383
5.0	399	399	399	400	400	400	400	399	399	399
7.5	426	426	425	425	425	425	425	425	425	425
10.0	465	465	463	463	463	462	463	465	463	463
12.5	514	514	514	512	510	509	512	512	513	511
15.0	576	576	575	571	570	568	571	570	571	571
17.5	647	646	645	640	638	638	637	635	635	636
20.0	729	726	724	718	713	713	712	707	707	709
22.5	820	816	812	807	799	792	789	786	784	785
25.0	918	912	906	896	888	880	870	866	864	863
27.5	1018	1010	1006	991	976	964	954	946	940	937

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CANDELA TABULATION - (Cont.)

30.0	1124	1108	1101	1080	1061	1045	1031	1020	1014	1011
32.5	1222	1209	1193	1165	1139	1119	1103	1092	1082	1074
35.0	1317	1298	1280	1246	1211	1184	1166	1151	1138	1127
37.5	1405	1385	1362	1318	1275	1242	1218	1200	1183	1166
40.0	1490	1461	1434	1380	1332	1291	1258	1234	1211	1191
42.5	1568	1535	1507	1437	1379	1331	1290	1257	1227	1201
45.0	1644	1608	1572	1495	1420	1362	1313	1268	1230	1199
47.5	1716	1676	1631	1548	1456	1383	1326	1265	1216	1182
50.0	1785	1739	1688	1595	1480	1393	1324	1244	1184	1143
52.5	1849	1794	1739	1629	1491	1388	1302	1206	1129	1077
55.0	1902	1832	1776	1644	1483	1359	1255	1142	1047	973
57.5	1925	1845	1786	1635	1449	1303	1179	1034	924	835
60.0	1912	1826	1760	1593	1385	1218	1064	899	761	650
62.5	1859	1771	1695	1516	1293	1103	922	735	573	441
65.0	1770	1680	1596	1399	1171	953	755	548	368	225
67.5	1641	1549	1461	1254	1005	780	576	360	183	51
70.0	1475	1390	1291	1076	835	606	402	204	64	1
72.5	1280	1202	1089	891	659	442	249	103	15	0
75.0	1052	977	884	699	489	299	144	46	2	0
77.5	807	744	671	510	336	187	80	17	0	0
80.0	577	524	466	338	211	107	39	6	0	0
82.5	361	324	277	191	113	53	18	2	0	0
85.0	180	159	132	89	48	22	6	0	0	0
87.5	55	47	38	22	12	5	1	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles

	<u>175.0</u>	<u>180.0</u>
0.0	382	382
2.5	383	382
5.0	399	399
7.5	425	425
10.0	462	462
12.5	509	510
15.0	567	567
17.5	635	632
20.0	707	704
22.5	786	785
25.0	863	862
27.5	939	938
30.0	1009	1007
32.5	1069	1067
35.0	1119	1115
37.5	1157	1152
40.0	1181	1176
42.5	1190	1184
45.0	1182	1174
47.5	1156	1145
50.0	1107	1097
52.5	1033	1022
55.0	924	911
57.5	776	763
60.0	589	575
62.5	361	360
65.0	136	133

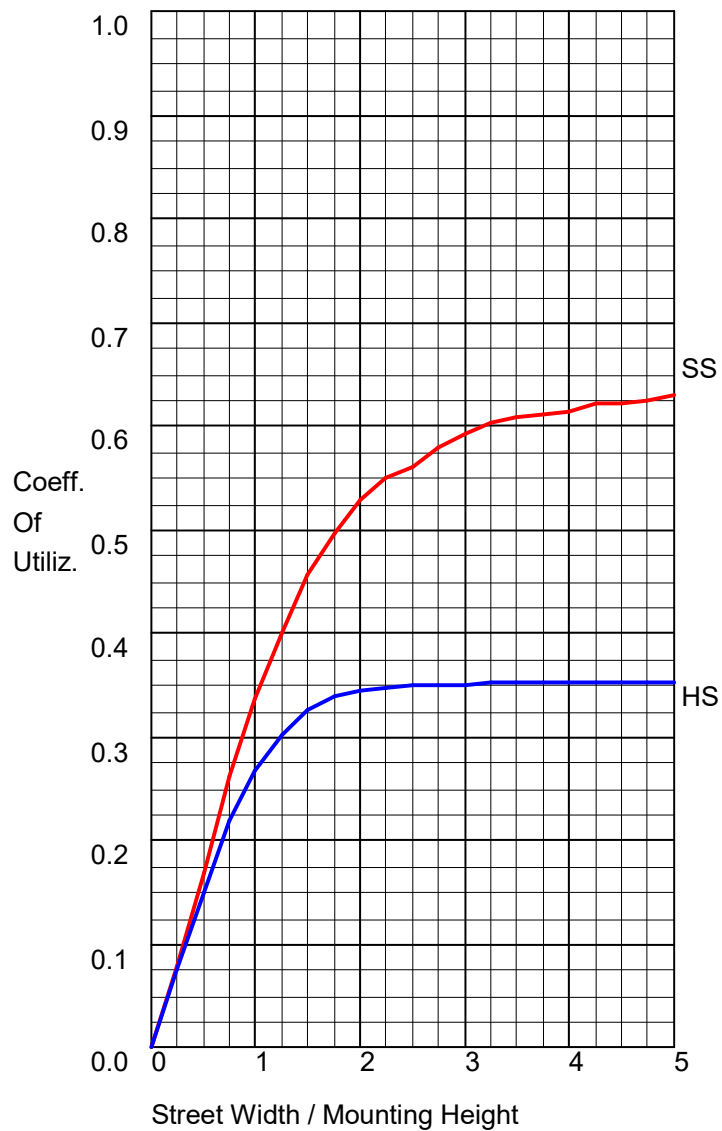
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CANDELA TABULATION - (Cont.)

67.5	0	0
70.0	0	0
72.5	0	0
75.0	0	0
77.5	0	0
80.0	0	0
82.5	0	0
85.0	0	0
87.5	0	0
90.0	0	0

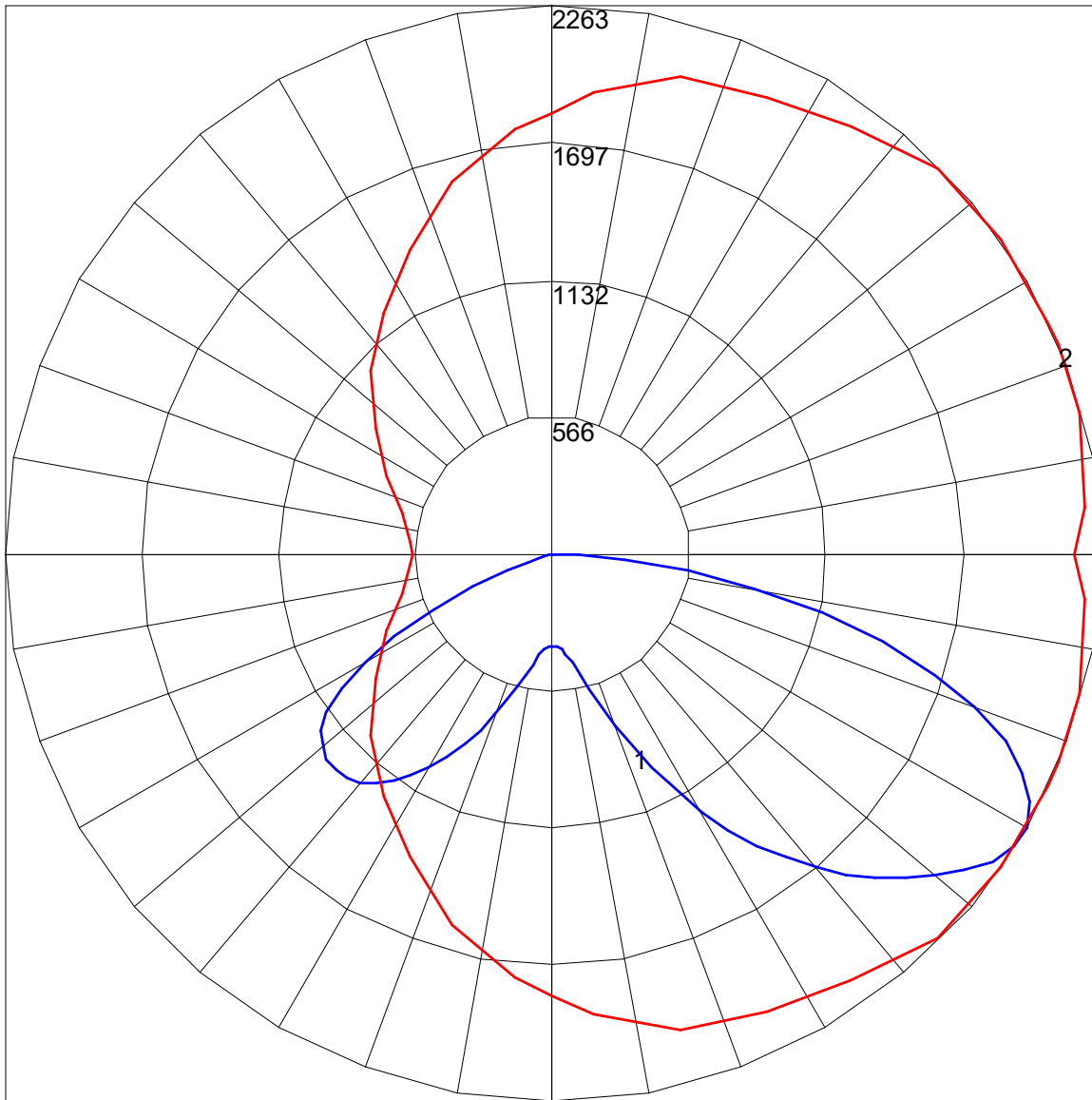
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

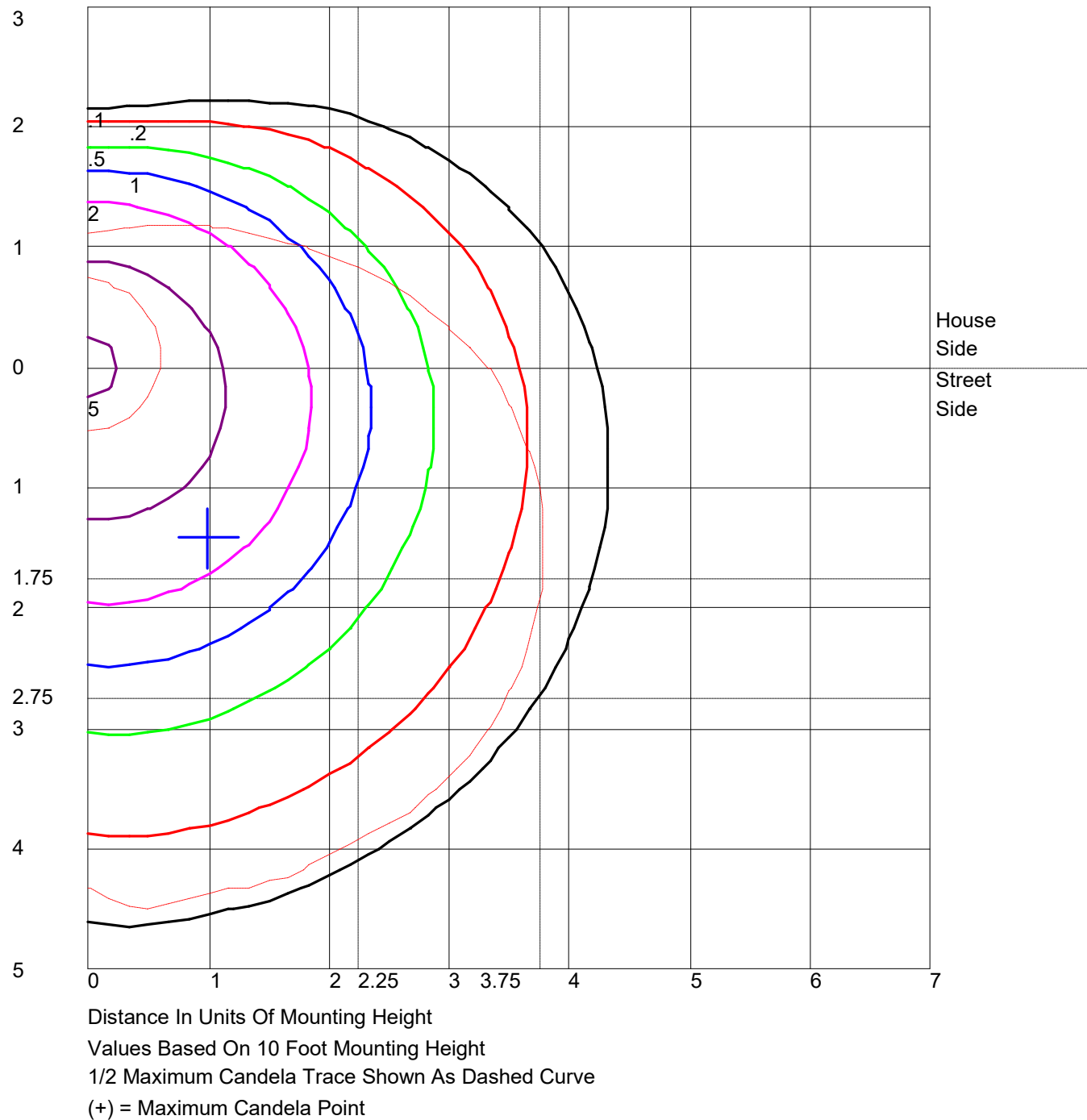
	Lumens	Percent Of Luminaire
Downward Street Side	4282.9	64.7
Downward House Side	2337.4	35.3
Downward Total	6620.3	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	6620.3	100.0

POLAR GRAPH

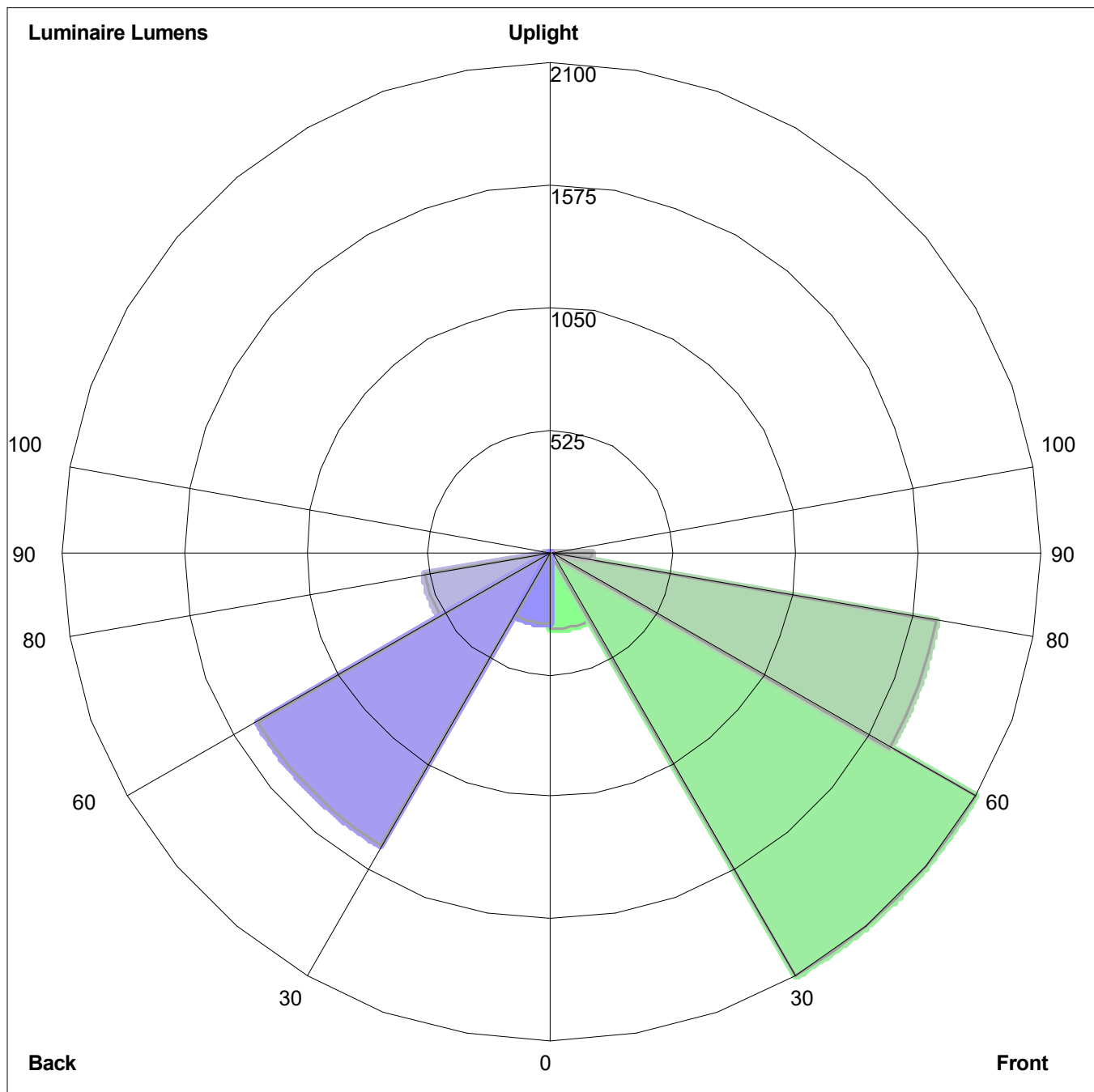


Maximum Candela = 2263 Located At Horizontal Angle = 35, Vertical Angle = 60
1 - Vertical Plane Through Horizontal Angles (35 - 215) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=332.8, Medium=2099.9, High=1678.2, Very High=172.0
Back: Low=308.9, Medium=1452.6, High=551.1, Very High=24.8
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2