



IES ROAD REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-11L-T5W-30-70CRI-HSS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-10594
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 01/23/2020
[TEST DATE] 09/21/18
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] EXN-EGLED-11L-T5W-30-70CRI-HSS
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] TEST PROCEDURE: IESNA LM-79-08

CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7361
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	87
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2517
Maximum Candela Angle	25H 60V
Maximum Candela (<90 Degrees Vertical)	2517
Maximum Candela Angle (<90 Degrees Vertical)	25H 60V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	958 (13.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : EXN-EGLED-11L-T5W-30-70CRI-HSS.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	370.1	N.A.	5.0
FM - Front-Medium (30-60)	2334.8	N.A.	31.7
FH - Front-High (60-80)	1865.9	N.A.	25.3
FVH - Front-Very High (80-90)	191.2	N.A.	2.6
BL - Back-Low (0-30)	343.5	N.A.	4.7
BM - Back-Medium (30-60)	1615.1	N.A.	21.9
BH - Back-High (60-80)	612.7	N.A.	8.3
BVH - Back-Very High (80-90)	27.6	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	7360.9	N.A.	100.0
BUG Rating	B2-U0-G2		

IES ROAD REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-11L-T5W-30-70CRI-HSS.IES

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	425	425	425	425	425	425	425	425	425	425
2.5	425	425	425	425	425	425	425	426	426	427
5.0	439	440	439	441	439	441	441	442	443	444
7.5	466	467	468	469	468	469	469	470	471	472
10.0	510	511	511	513	515	512	512	512	513	514
12.5	568	569	574	571	574	573	568	568	569	570
15.0	644	649	650	646	649	647	641	640	640	639
17.5	735	741	742	736	739	736	734	730	725	726
20.0	854	848	850	841	844	840	838	830	821	821
22.5	975	970	971	967	964	958	952	947	933	924
25.0	1109	1104	1104	1099	1096	1087	1077	1068	1049	1037
27.5	1255	1256	1244	1244	1235	1223	1213	1197	1179	1158
30.0	1403	1405	1387	1386	1376	1367	1346	1326	1302	1275
32.5	1548	1552	1538	1527	1517	1502	1480	1452	1423	1391
35.0	1682	1688	1676	1666	1660	1636	1609	1574	1539	1503
37.5	1797	1804	1803	1795	1794	1763	1731	1691	1652	1609
40.0	1900	1908	1915	1910	1910	1886	1844	1805	1758	1707
42.5	1994	2009	2013	2013	2014	1996	1957	1912	1858	1799
45.0	2092	2102	2113	2112	2115	2101	2066	2012	1954	1898
47.5	2180	2192	2213	2213	2212	2199	2173	2119	2053	1993
50.0	2265	2280	2309	2311	2305	2293	2279	2213	2148	2086
52.5	2338	2358	2395	2398	2393	2384	2369	2296	2228	2173
55.0	2388	2420	2463	2472	2467	2464	2444	2361	2288	2237
57.5	2412	2453	2508	2516	2514	2511	2491	2397	2322	2273
60.0	2405	2451	2509	2516	2517	2516	2499	2398	2320	2269
62.5	2363	2408	2466	2473	2474	2475	2458	2359	2280	2218
65.0	2266	2323	2376	2383	2388	2388	2369	2278	2192	2122
67.5	2131	2193	2239	2251	2253	2254	2233	2137	2063	1981
70.0	1950	2020	2057	2069	2069	2071	2041	1963	1883	1799
72.5	1730	1807	1836	1833	1844	1845	1818	1749	1671	1571
75.0	1478	1544	1575	1569	1580	1568	1556	1500	1425	1322
77.5	1202	1258	1250	1274	1255	1271	1260	1217	1147	1047
80.0	914	934	934	958	942	940	944	913	851	761
82.5	594	624	621	643	631	628	615	607	545	476
85.0	325	338	338	340	344	341	333	304	287	244
87.5	109	113	114	113	116	115	105	97	84	76
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	425	425	425	425	425	425	425	425	425	425
2.5	427	427	427	427	426	426	425	425	425	425
5.0	444	444	444	444	444	444	444	444	444	444
7.5	474	474	472	473	473	473	473	473	473	473
10.0	517	517	515	515	515	514	515	517	515	515
12.5	572	572	572	569	567	566	570	570	571	568
15.0	640	640	639	635	633	632	634	633	635	635
17.5	720	718	717	711	709	709	708	706	707	708
20.0	811	807	805	799	793	793	791	786	786	788
22.5	912	907	903	897	888	880	878	874	872	873
25.0	1021	1014	1008	996	988	978	968	963	960	959
27.5	1132	1123	1119	1102	1085	1072	1061	1051	1046	1042

IES ROAD REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-11L-T5W-30-70CRI-HSS.IES

CANDELA TABULATION - (Cont.)

30.0	1250	1232	1224	1200	1180	1161	1146	1134	1127	1124
32.5	1359	1344	1327	1295	1267	1244	1226	1214	1203	1194
35.0	1464	1444	1424	1386	1347	1316	1296	1279	1265	1253
37.5	1562	1540	1514	1465	1418	1381	1354	1334	1315	1296
40.0	1657	1625	1595	1535	1481	1436	1399	1372	1347	1324
42.5	1744	1707	1675	1597	1534	1480	1434	1398	1365	1335
45.0	1828	1788	1747	1662	1578	1514	1460	1410	1368	1333
47.5	1908	1863	1814	1721	1619	1538	1474	1406	1352	1314
50.0	1985	1934	1877	1773	1646	1549	1472	1384	1316	1271
52.5	2056	1994	1934	1811	1658	1543	1447	1341	1255	1198
55.0	2115	2037	1974	1828	1649	1511	1395	1270	1164	1082
57.5	2141	2051	1986	1818	1611	1449	1311	1150	1028	929
60.0	2126	2030	1957	1771	1540	1354	1183	1000	846	723
62.5	2067	1969	1884	1686	1438	1226	1026	817	637	490
65.0	1968	1868	1774	1556	1302	1060	840	609	409	250
67.5	1824	1723	1624	1394	1118	867	640	400	203	57
70.0	1640	1545	1436	1197	929	674	447	227	71	1
72.5	1423	1336	1211	991	732	491	276	115	17	0
75.0	1170	1086	983	777	543	332	160	51	2	0
77.5	897	827	746	567	373	208	89	19	0	0
80.0	641	583	519	376	235	119	44	7	0	0
82.5	402	360	308	213	125	59	20	2	0	0
85.0	200	177	147	99	53	25	7	0	0	0
87.5	61	52	42	25	13	6	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	425	425
2.5	425	425
5.0	444	444
7.5	473	473
10.0	514	514
12.5	566	567
15.0	631	631
17.5	707	703
20.0	786	783
22.5	874	873
25.0	959	958
27.5	1044	1043
30.0	1122	1120
32.5	1189	1186
35.0	1244	1239
37.5	1287	1281
40.0	1313	1308
42.5	1323	1316
45.0	1314	1306
47.5	1285	1273
50.0	1231	1219
52.5	1148	1136
55.0	1028	1013
57.5	863	848
60.0	655	639
62.5	402	401
65.0	151	148

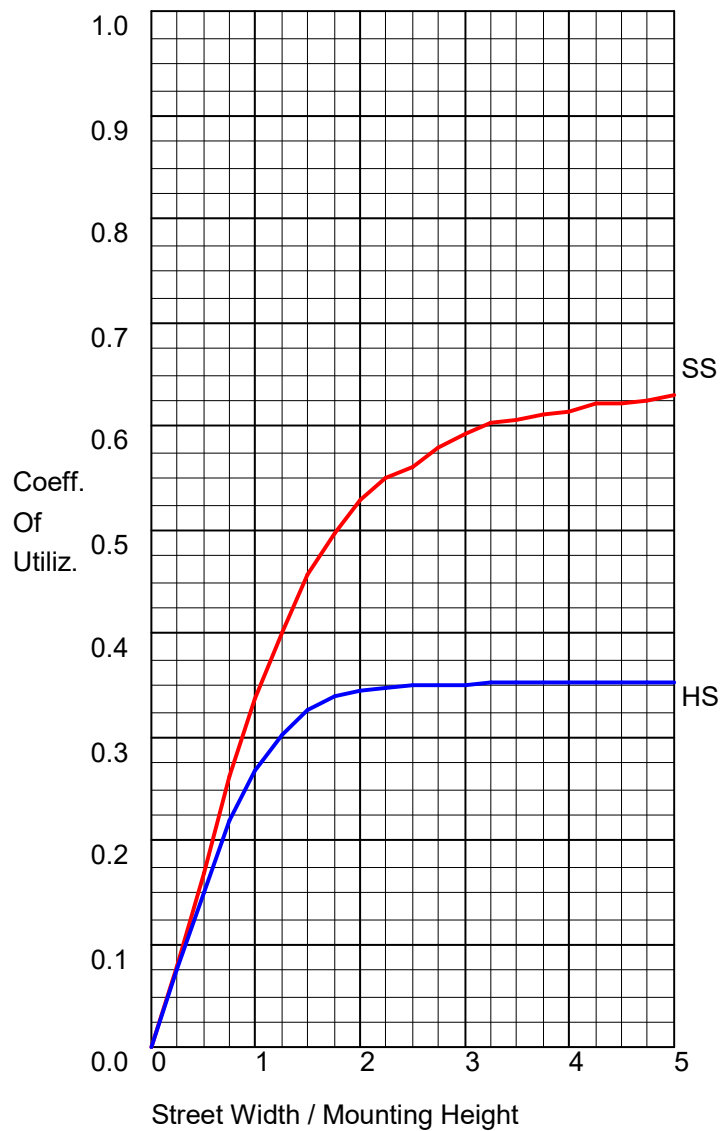
IES ROAD REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-11L-T5W-30-70CRI-HSS.IES

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

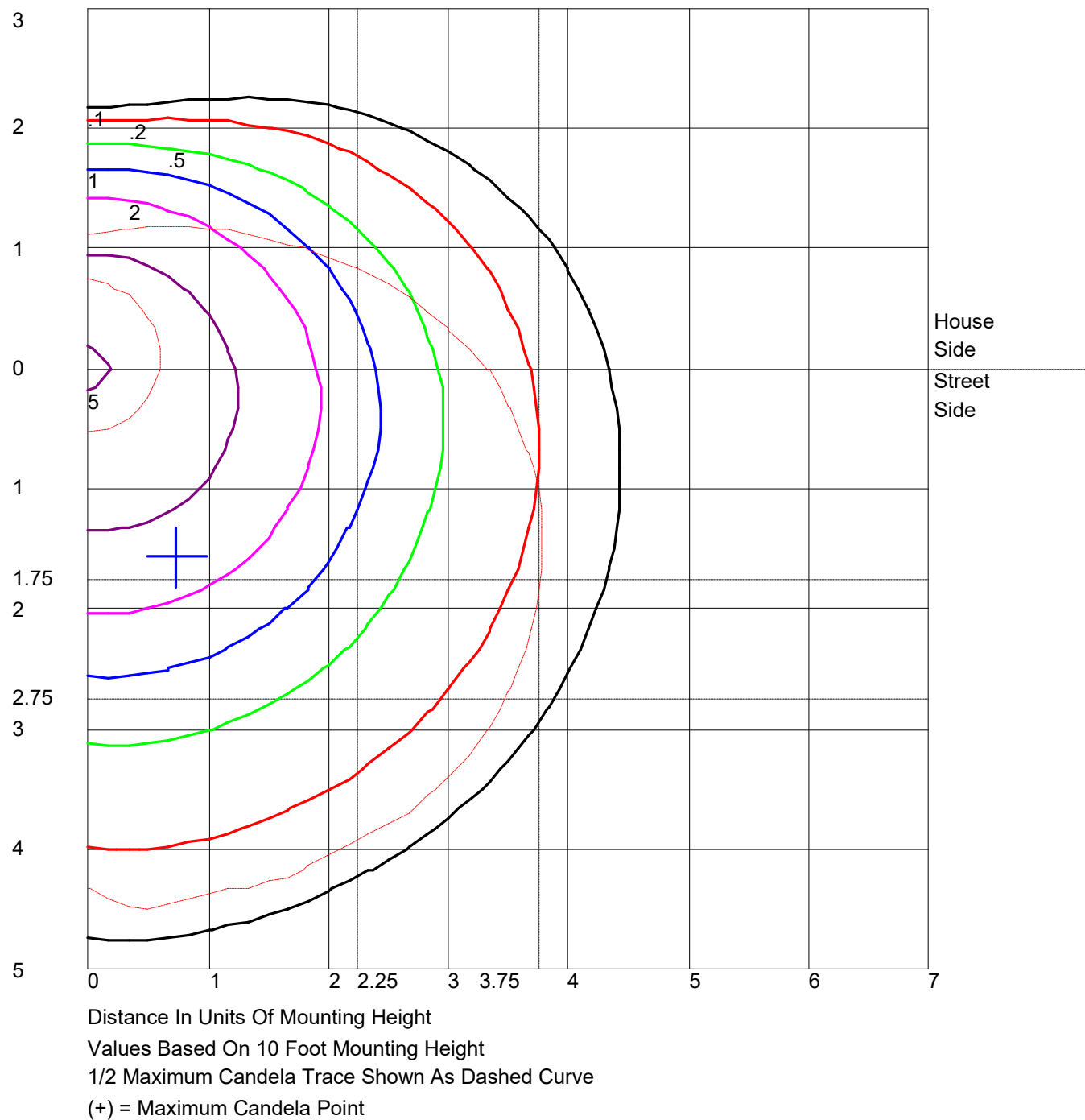
	Lumens	Percent Of Luminaire
Downward Street Side	4762.0	64.7
Downward House Side	2598.9	35.3
Downward Total	7360.9	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	7360.9	100.0

POLAR GRAPH

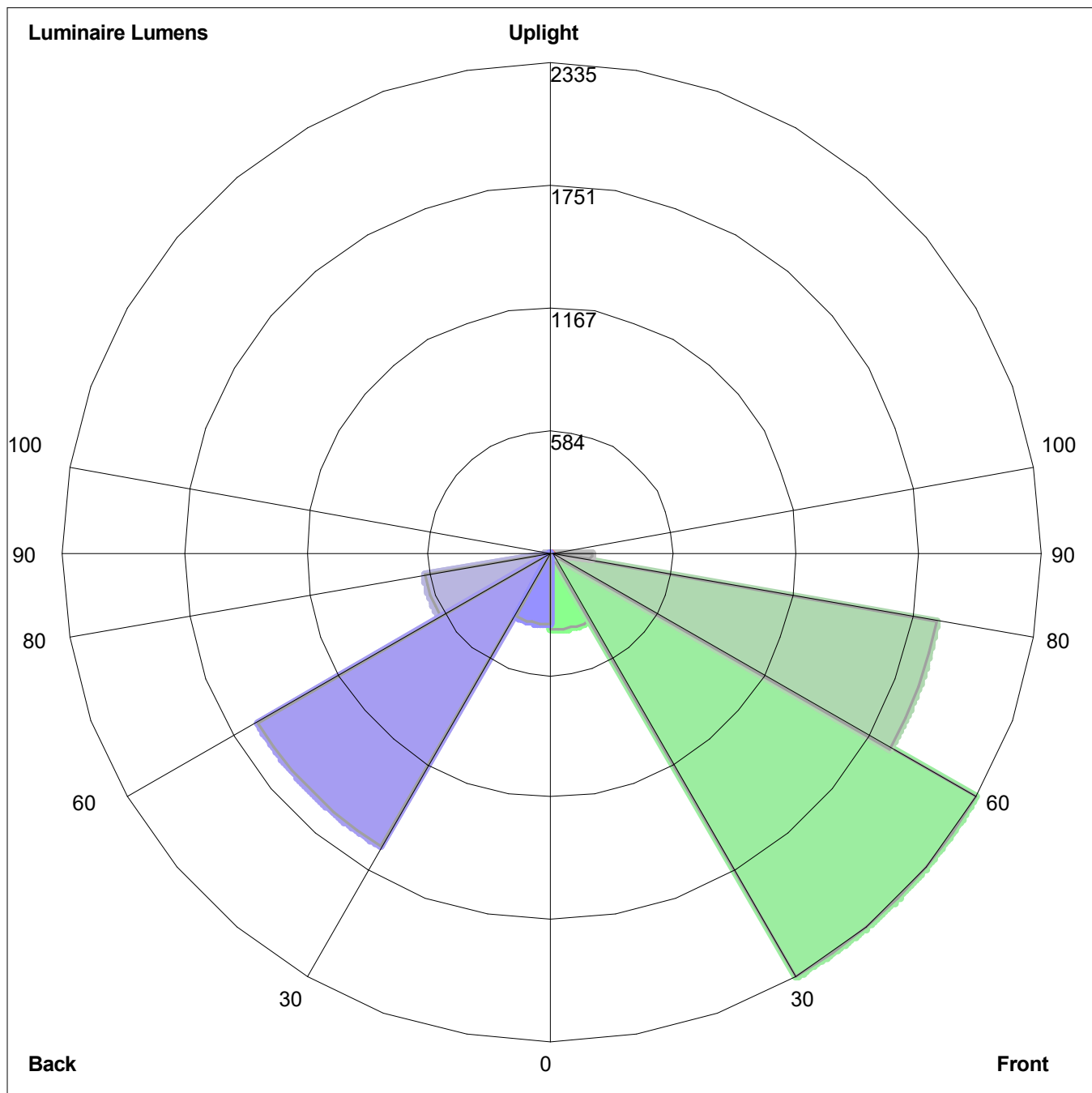


Maximum Candela = 2517 Located At Horizontal Angle = 25, Vertical Angle = 60
1 - Vertical Plane Through Horizontal Angles (25 - 205) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=370.1, Medium=2334.8, High=1865.9, Very High=191.2
Back: Low=343.5, Medium=1615.1, High=612.7, Very High=27.6
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2