



IES ROAD REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-08L-T5W-30-70CRI-HSS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-10594_scaled

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 01/23/2020

[TEST DATE] 09/21/18

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] EXN-EGLED-08L-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	5443
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	60
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1861
Maximum Candela Angle	25H 60V
Maximum Candela (<90 Degrees Vertical)	1861
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	709 (13.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : EXN-EGLED-08L-T5W-30-70CRI-HSS.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	273.6	N.A.	5.0
FM - Front-Medium (30-60)	1726.4	N.A.	31.7
FH - Front-High (60-80)	1379.6	N.A.	25.3
FVH - Front-Very High (80-90)	141.4	N.A.	2.6
BL - Back-Low (0-30)	254.0	N.A.	4.7
BM - Back-Medium (30-60)	1194.3	N.A.	21.9
BH - Back-High (60-80)	453.1	N.A.	8.3
BVH - Back-Very High (80-90)	20.4	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	5442.8	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	314	314	314	314	314	314	314	314	314	314
2.5	314	315	314	315	314	315	315	315	315	316
5.0	324	325	324	326	324	326	326	327	327	328
7.5	345	345	346	347	346	347	347	348	348	349
10.0	377	378	378	379	381	378	378	378	379	380
12.5	420	421	424	422	424	423	420	420	421	421
15.0	476	480	480	478	480	478	474	473	473	473
17.5	544	548	548	544	546	544	543	540	536	536
20.0	631	627	628	622	624	621	619	614	607	607
22.5	721	717	718	715	713	709	704	700	690	683
25.0	820	817	816	812	810	804	796	790	776	767
27.5	928	929	920	920	913	904	897	885	871	856
30.0	1037	1039	1025	1025	1017	1010	995	980	963	943
32.5	1145	1147	1137	1129	1121	1111	1094	1074	1052	1029
35.0	1244	1248	1239	1232	1227	1210	1190	1164	1138	1112
37.5	1329	1334	1333	1327	1326	1303	1280	1251	1221	1190
40.0	1405	1411	1416	1412	1412	1395	1364	1335	1300	1262
42.5	1475	1485	1489	1489	1489	1476	1447	1414	1374	1330
45.0	1547	1554	1562	1562	1564	1553	1527	1488	1445	1404
47.5	1612	1621	1636	1636	1635	1626	1607	1567	1518	1474
50.0	1675	1686	1707	1708	1704	1696	1685	1636	1588	1542
52.5	1729	1744	1771	1773	1770	1763	1752	1698	1647	1607
55.0	1766	1789	1822	1828	1824	1822	1807	1746	1692	1654
57.5	1784	1814	1855	1860	1859	1857	1842	1772	1717	1680
60.0	1778	1812	1855	1860	1861	1860	1848	1773	1715	1678
62.5	1747	1781	1824	1829	1829	1830	1817	1744	1686	1640
65.0	1675	1718	1757	1762	1765	1765	1752	1685	1621	1569
67.5	1576	1621	1656	1664	1666	1666	1651	1580	1525	1465
70.0	1442	1494	1521	1530	1530	1532	1509	1451	1392	1330
72.5	1279	1336	1357	1355	1364	1364	1344	1293	1236	1161
75.0	1093	1142	1164	1160	1168	1159	1150	1109	1053	977
77.5	889	930	924	942	928	940	932	900	848	774
80.0	676	691	691	709	697	695	698	675	629	562
82.5	439	461	459	475	466	464	455	449	403	352
85.0	240	250	250	251	254	252	246	225	212	180
87.5	81	84	84	84	86	85	78	72	62	56
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	314	314	314	314	314	314	314	314	314	314
2.5	316	316	316	316	315	315	315	315	314	315
5.0	328	328	328	329	329	329	329	328	328	328
7.5	350	350	349	350	350	350	350	350	350	350
10.0	382	382	381	381	381	380	381	382	381	381
12.5	423	423	423	421	419	419	421	421	422	420
15.0	473	473	473	470	468	467	469	468	470	470
17.5	532	531	530	526	525	525	524	522	522	523
20.0	600	597	595	591	586	586	585	581	581	583
22.5	674	671	668	664	657	651	649	646	645	645
25.0	755	750	745	737	730	723	716	712	710	709
27.5	837	831	827	815	803	793	784	777	773	770

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CANDELA TABULATION - (Cont.)

30.0	924	911	905	888	872	859	848	838	834	831
32.5	1005	994	981	958	937	920	907	897	890	883
35.0	1083	1067	1053	1025	996	973	959	946	935	926
37.5	1155	1139	1119	1084	1048	1021	1001	987	973	959
40.0	1225	1201	1179	1135	1095	1062	1034	1015	996	979
42.5	1289	1262	1239	1181	1134	1094	1060	1034	1009	987
45.0	1352	1322	1292	1229	1167	1119	1079	1043	1011	986
47.5	1411	1378	1341	1272	1197	1137	1090	1040	1000	972
50.0	1468	1430	1388	1311	1217	1145	1088	1023	973	940
52.5	1520	1475	1430	1339	1226	1141	1070	992	928	885
55.0	1564	1506	1460	1352	1219	1117	1032	939	861	800
57.5	1583	1517	1468	1344	1191	1072	969	850	760	687
60.0	1572	1501	1447	1310	1139	1001	875	739	626	534
62.5	1529	1456	1393	1246	1063	907	758	604	471	362
65.0	1455	1381	1312	1150	963	784	621	450	303	185
67.5	1349	1274	1201	1031	826	641	473	296	150	42
70.0	1213	1142	1062	885	687	499	331	168	53	1
72.5	1052	988	895	732	541	363	204	85	13	0
75.0	865	803	727	574	402	246	119	38	1	0
77.5	664	612	551	419	276	154	66	14	0	0
80.0	474	431	383	278	173	88	32	5	0	0
82.5	297	266	228	157	93	44	15	1	0	0
85.0	148	131	109	73	39	18	5	0	0	0
87.5	45	39	31	18	10	4	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	314	314
2.5	315	314
5.0	328	328
7.5	350	350
10.0	380	380
12.5	419	419
15.0	466	466
17.5	522	520
20.0	581	579
22.5	646	645
25.0	709	709
27.5	772	771
30.0	829	828
32.5	879	877
35.0	920	916
37.5	951	947
40.0	971	967
42.5	978	973
45.0	972	966
47.5	950	941
50.0	910	902
52.5	849	840
55.0	760	749
57.5	638	627
60.0	485	473
62.5	297	296
65.0	112	110

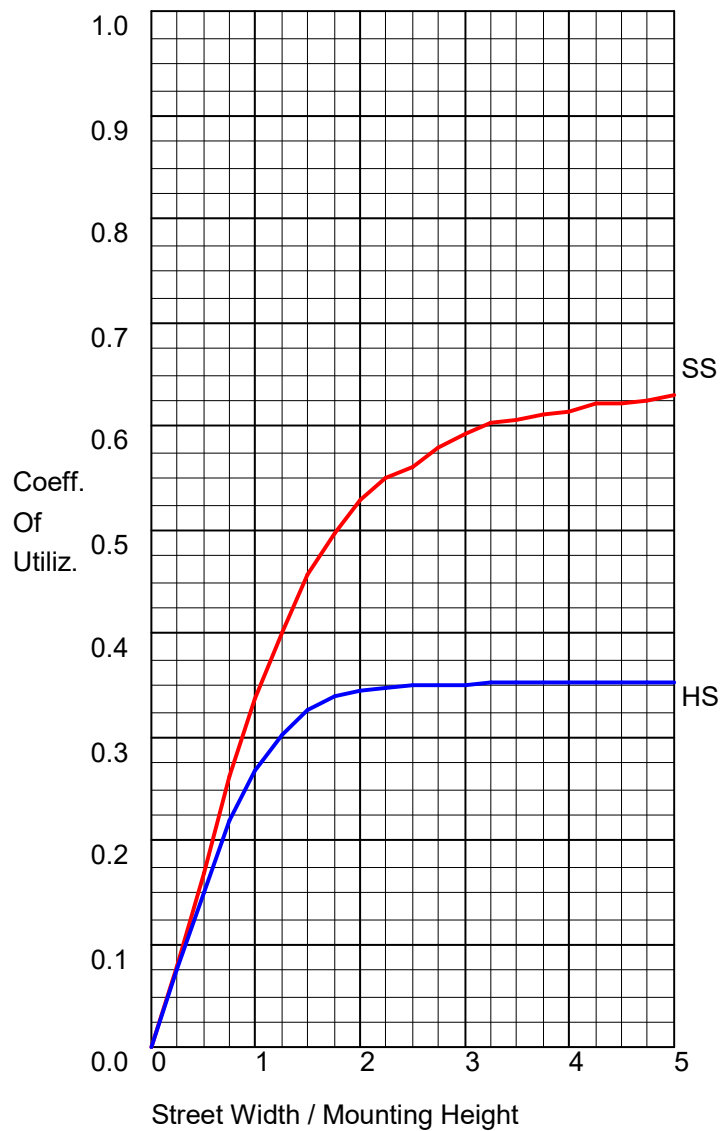
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CANDELA TABULATION - (Cont.)

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

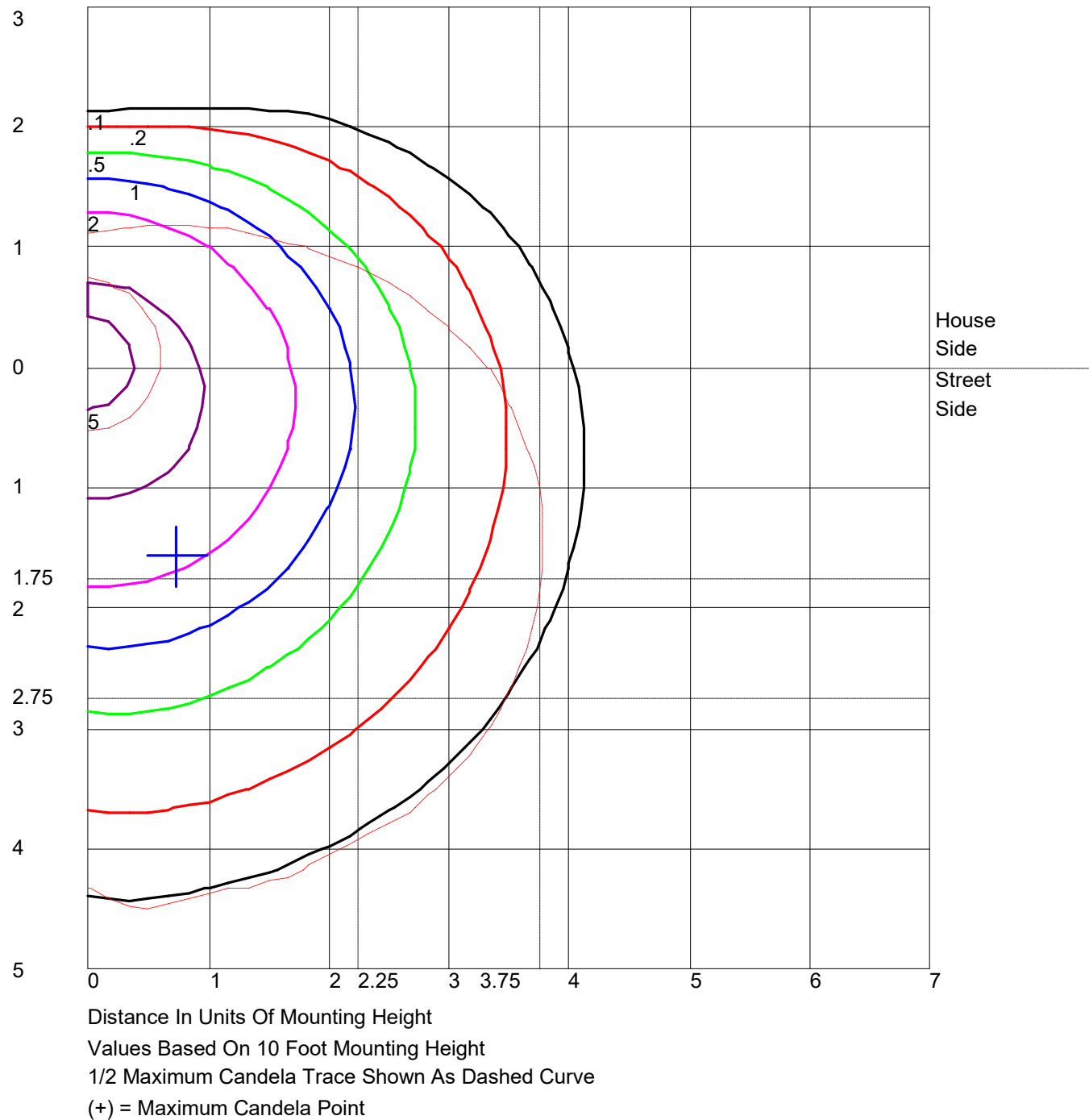
	Lumens	Percent Of Luminaire
Downward Street Side	3521.0	64.7
Downward House Side	1921.7	35.3
Downward Total	5442.7	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5442.7	100.0

POLAR GRAPH

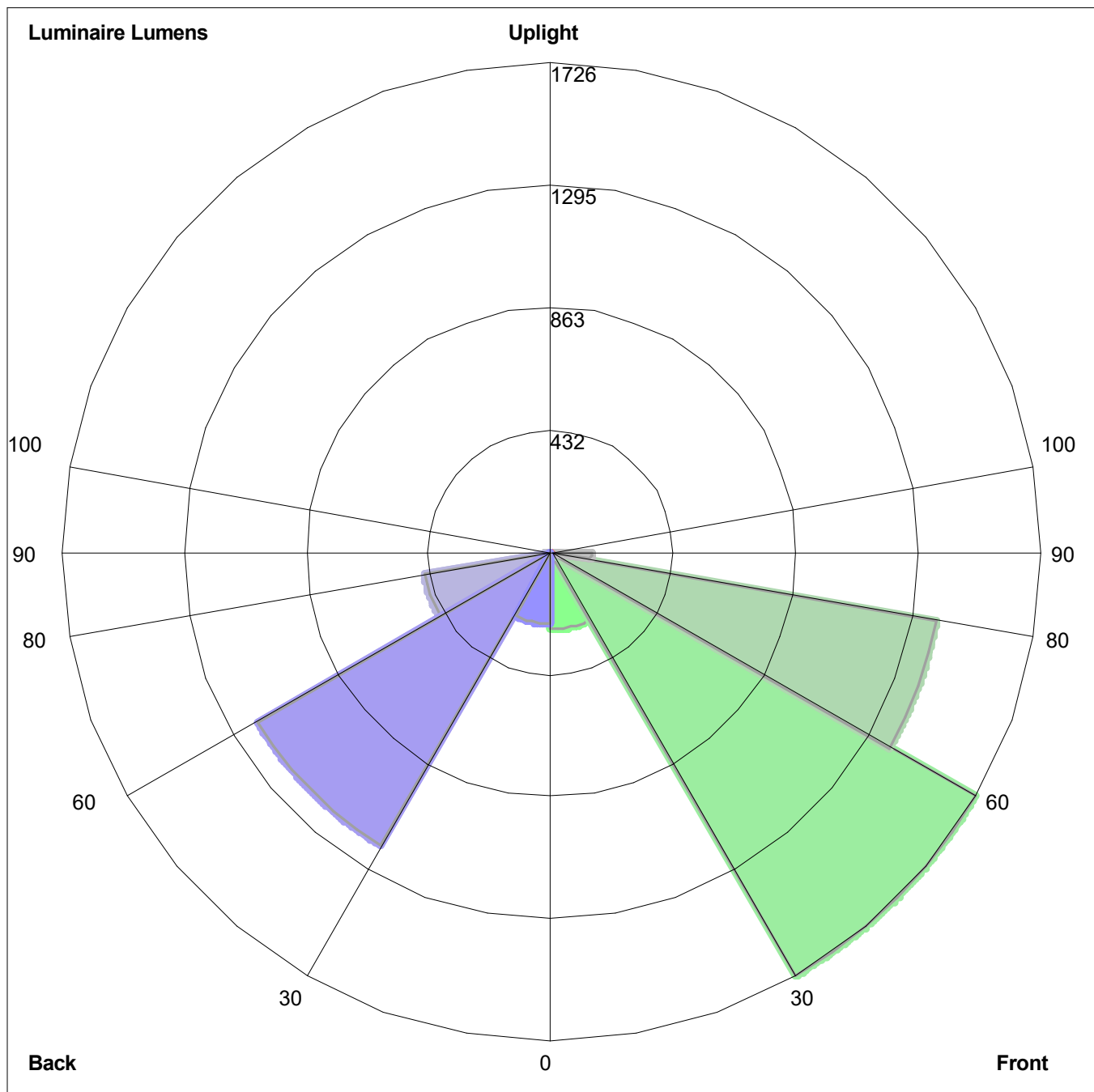


Maximum Candela = 1861 Located At Horizontal Angle = 25, Vertical Angle = 60
1 - Vertical Plane Through Horizontal Angles (25 - 205) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=273.6, Medium=1726.4, High=1379.6, Very High=141.4
Back: Low=254.0, Medium=1194.3, High=453.1, Very High=20.4
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2