



IES ROAD REPORT

PHOTOMETRIC FILENAME : TXWP-07L-50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 3758

[TESTLAB] TUV SUD America

[ISSUE DATE] 8/10/2020

[TEST DATE] 8/22/2019 1:05:36 PM

[MANUFAC] LSI INDUSTRIES, INC.

[OTHER] TEST PROCEDURE: IESNA

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

[OTHER] SCALED FROM ORIGINAL TEST DATA

[SEARCH_SOURCETYPE] LED

[SEARCH_APPLICATION] Outdoor

[LUMCAT] TXWP-07L-50

CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7206
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	55
Ballast Factor	1.00
Upward Waste Light Ratio	0.20
Maximum Candela	2483
Maximum Candela Angle	360H 60V
Maximum Candela (<90 Degrees Vertical)	2483
Maximum Candela Angle (<90 Degrees Vertical)	360H 60V
Maximum Candela At 90 Degrees Vertical	1822 (25.3% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2162 (30.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	621.1	N.A.	8.6
FM - Front-Medium (30-60)	1925.4	N.A.	26.7
FH - Front-High (60-80)	1567.5	N.A.	21.8
FVH - Front-Very High (80-90)	669.5	N.A.	9.3
BL - Back-Low (0-30)	334.4	N.A.	4.6
BM - Back-Medium (30-60)	478.1	N.A.	6.6
BH - Back-High (60-80)	136.4	N.A.	1.9
BVH - Back-Very High (80-90)	19.8	N.A.	0.3
UL - Uplight-Low (90-100)	540.7	N.A.	7.5
UH - Uplight-High (100-180)	913.4	N.A.	12.7
Total	7206.3	N.A.	100.0
BUG Rating	B1-U4-G4		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	1121	1121	1121	1121	1121	1121	1121	1121	1121	1121
2.5	1220	1185	1167	1142	1119	1091	1069	1056	1072	1056
5.0	1301	1259	1222	1170	1115	1063	1023	999	1009	999
7.5	1385	1334	1276	1197	1110	1035	979	946	950	946
10.0	1473	1411	1332	1221	1103	1006	936	892	891	892
12.5	1561	1489	1385	1243	1093	976	891	837	833	837
15.0	1644	1566	1440	1264	1081	944	845	779	771	779
17.5	1726	1641	1495	1282	1066	909	797	720	705	720
20.0	1797	1710	1548	1300	1048	874	747	671	660	671
22.5	1859	1772	1596	1315	1029	837	696	633	621	633
25.0	1911	1824	1638	1328	1005	798	654	597	584	597
27.5	1947	1862	1674	1337	981	757	617	561	548	561
30.0	1988	1891	1704	1344	955	714	583	527	512	527
32.5	2038	1921	1724	1348	927	670	550	492	474	492
35.0	2097	1958	1733	1349	898	625	517	457	435	457
37.5	2159	2003	1738	1347	868	588	483	420	393	420
40.0	2225	2050	1745	1340	837	549	450	380	353	380
42.5	2285	2098	1753	1330	805	511	417	342	324	342
45.0	2338	2141	1762	1315	771	475	383	310	296	310
47.5	2380	2178	1771	1294	738	443	349	282	273	282
50.0	2416	2206	1776	1268	703	411	316	255	252	255
52.5	2441	2227	1778	1237	667	379	282	232	231	232
55.0	2461	2241	1775	1203	629	347	250	208	202	208
57.5	2475	2249	1767	1166	591	316	221	182	172	182
60.0	2483	2252	1756	1131	551	285	193	154	142	154
62.5	2482	2249	1742	1094	508	256	167	124	112	124
65.0	2467	2236	1721	1056	464	227	143	98	95	98
67.5	2439	2211	1693	1017	419	199	121	75	71	75
70.0	2396	2174	1659	977	374	171	97	50	43	50
72.5	2345	2125	1615	933	327	145	73	20	5	20
75.0	2286	2071	1567	885	281	122	48	1	0	1
77.5	2224	2013	1515	837	237	100	30	1	0	1
80.0	2162	1954	1459	788	198	80	22	0	0	0
82.5	2093	1890	1402	740	164	66	19	0	0	0
85.0	2014	1818	1340	691	134	57	16	0	0	0
87.5	1922	1738	1273	639	111	51	14	0	0	0
90.0	1822	1649	1203	588	96	46	12	0	0	0
92.5	1725	1561	1131	539	86	42	11	0	0	0
95.0	1627	1471	1060	491	77	38	9	0	0	0
97.5	1529	1383	988	446	70	35	8	0	0	0
100.0	1431	1292	917	405	63	31	6	0	0	0
102.5	1331	1202	847	366	59	28	6	0	0	0
105.0	1230	1115	780	329	54	26	5	0	0	0
107.5	1137	1029	717	296	50	24	4	0	0	0
110.0	1047	951	656	265	46	21	3	0	0	0
112.5	961	872	600	238	42	19	3	0	0	0
115.0	876	797	547	212	38	17	2	0	0	0
117.5	796	724	499	188	35	16	2	0	0	0
120.0	721	655	450	163	31	14	2	0	0	0
122.5	651	592	403	137	28	13	2	0	1	0
125.0	586	533	357	112	24	11	1	0	0	0
127.5	526	479	316	88	21	9	1	0	1	0
130.0	470	426	278	67	16	8	1	0	1	0

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CANDELA TABULATION - (Cont.)

132.5	419	379	242	51	12	7	1	1	1	1
135.0	370	335	210	36	8	6	1	1	2	1
137.5	325	293	179	23	6	5	1	1	2	1
140.0	283	255	148	16	4	4	1	1	2	1
142.5	244	219	120	13	3	3	1	2	2	2
145.0	213	189	94	10	3	2	1	2	2	2
147.5	187	163	63	7	2	2	2	2	2	2
150.0	160	136	34	6	2	2	1	2	2	2
152.5	130	105	11	4	1	1	2	2	2	2
155.0	91	59	2	2	1	2	2	2	2	2
157.5	22	14	1	2	1	1	2	2	2	2
160.0	0	0	1	1	1	2	2	2	2	2
162.5	0	0	1	1	1	2	2	2	2	2
165.0	1	1	1	1	1	1	2	2	2	2
167.5	1	1	1	1	2	2	2	2	2	2
170.0	1	1	1	2	2	2	2	2	2	2
172.5	1	1	1	2	2	2	2	2	2	2
175.0	1	1	2	2	2	2	2	2	2	2
177.5	2	2	2	2	2	2	2	2	2	2
180.0	1	1	1	1	1	1	1	1	1	1

Vert. Angles **Horizontal Angles**

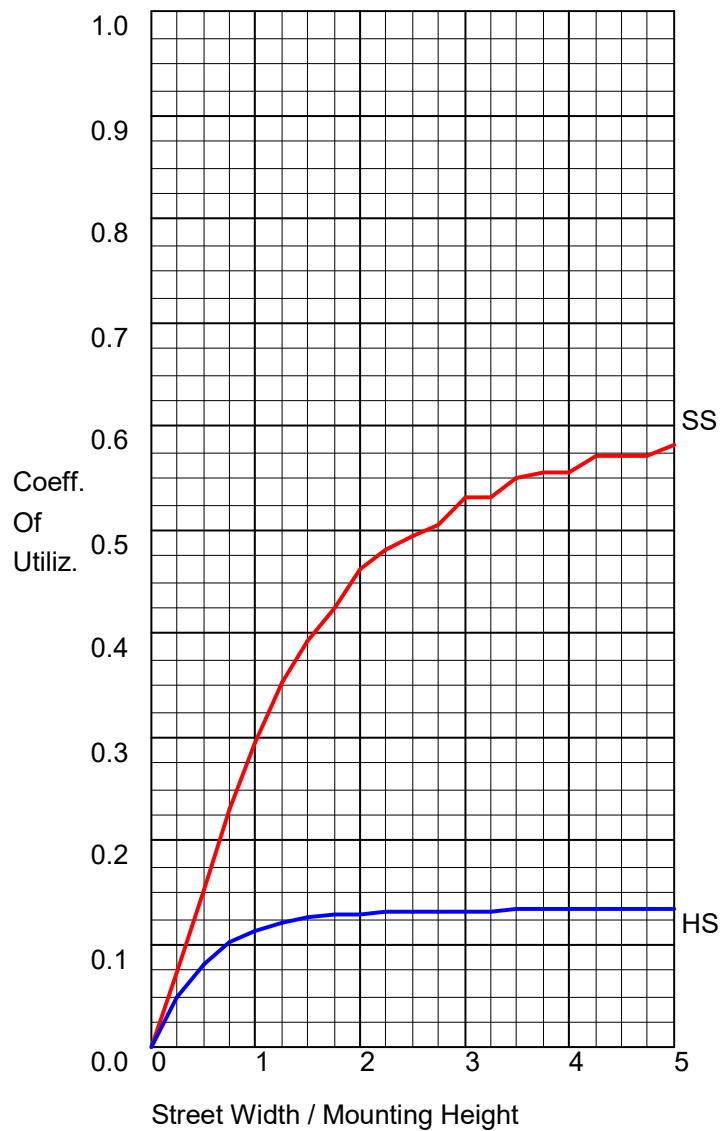
	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	1121	1121	1121	1121	1121	1121	1121
2.5	1069	1091	1119	1142	1167	1185	1220
5.0	1023	1063	1115	1170	1222	1259	1301
7.5	979	1035	1110	1197	1276	1334	1385
10.0	936	1006	1103	1221	1332	1411	1473
12.5	891	976	1093	1243	1385	1489	1561
15.0	845	944	1081	1264	1440	1566	1644
17.5	797	909	1066	1282	1495	1641	1726
20.0	747	874	1048	1300	1548	1710	1797
22.5	696	837	1029	1315	1596	1772	1859
25.0	654	798	1005	1328	1638	1824	1911
27.5	617	757	981	1337	1674	1862	1947
30.0	583	714	955	1344	1704	1891	1988
32.5	550	670	927	1348	1724	1921	2038
35.0	517	625	898	1349	1733	1958	2097
37.5	483	588	868	1347	1738	2003	2159
40.0	450	549	837	1340	1745	2050	2225
42.5	417	511	805	1330	1753	2098	2285
45.0	383	475	771	1315	1762	2141	2338
47.5	349	443	738	1294	1771	2178	2380
50.0	316	411	703	1268	1776	2206	2416
52.5	282	379	667	1237	1778	2227	2441
55.0	250	347	629	1203	1775	2241	2461
57.5	221	316	591	1166	1767	2249	2475
60.0	193	285	551	1131	1756	2252	2483
62.5	167	256	508	1094	1742	2249	2482
65.0	143	227	464	1056	1721	2236	2467
67.5	121	199	419	1017	1693	2211	2439
70.0	97	171	374	977	1659	2174	2396
72.5	73	145	327	933	1615	2125	2345
75.0	48	122	281	885	1567	2071	2286
77.5	30	100	237	837	1515	2013	2224

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CANDELA TABULATION - (Cont.)

80.0	22	80	198	788	1459	1954	2162
82.5	19	66	164	740	1402	1890	2093
85.0	16	57	134	691	1340	1818	2014
87.5	14	51	111	639	1273	1738	1922
90.0	12	46	96	588	1203	1649	1822
92.5	11	42	86	539	1131	1561	1725
95.0	9	38	77	491	1060	1471	1627
97.5	8	35	70	446	988	1383	1529
100.0	6	31	63	405	917	1292	1431
102.5	6	28	59	366	847	1202	1331
105.0	5	26	54	329	780	1115	1230
107.5	4	24	50	296	717	1029	1137
110.0	3	21	46	265	656	951	1047
112.5	3	19	42	238	600	872	961
115.0	2	17	38	212	547	797	876
117.5	2	16	35	188	499	724	796
120.0	2	14	31	163	450	655	721
122.5	2	13	28	137	403	592	651
125.0	1	11	24	112	357	533	586
127.5	1	9	21	88	316	479	526
130.0	1	8	16	67	278	426	470
132.5	1	7	12	51	242	379	419
135.0	1	6	8	36	210	335	370
137.5	1	5	6	23	179	293	325
140.0	1	4	4	16	148	255	283
142.5	1	3	3	13	120	219	244
145.0	1	2	3	10	94	189	213
147.5	2	2	2	7	63	163	187
150.0	1	2	2	6	34	136	160
152.5	2	1	1	4	11	105	130
155.0	2	2	1	2	2	59	91
157.5	2	1	1	2	1	14	22
160.0	2	2	1	1	1	0	0
162.5	2	2	1	1	1	0	0
165.0	2	1	1	1	1	1	1
167.5	2	2	2	1	1	1	1
170.0	2	2	2	2	1	1	1
172.5	2	2	2	2	1	1	1
175.0	2	2	2	2	2	1	1
177.5	2	2	2	2	2	2	2
180.0	1	1	1	1	1	1	1

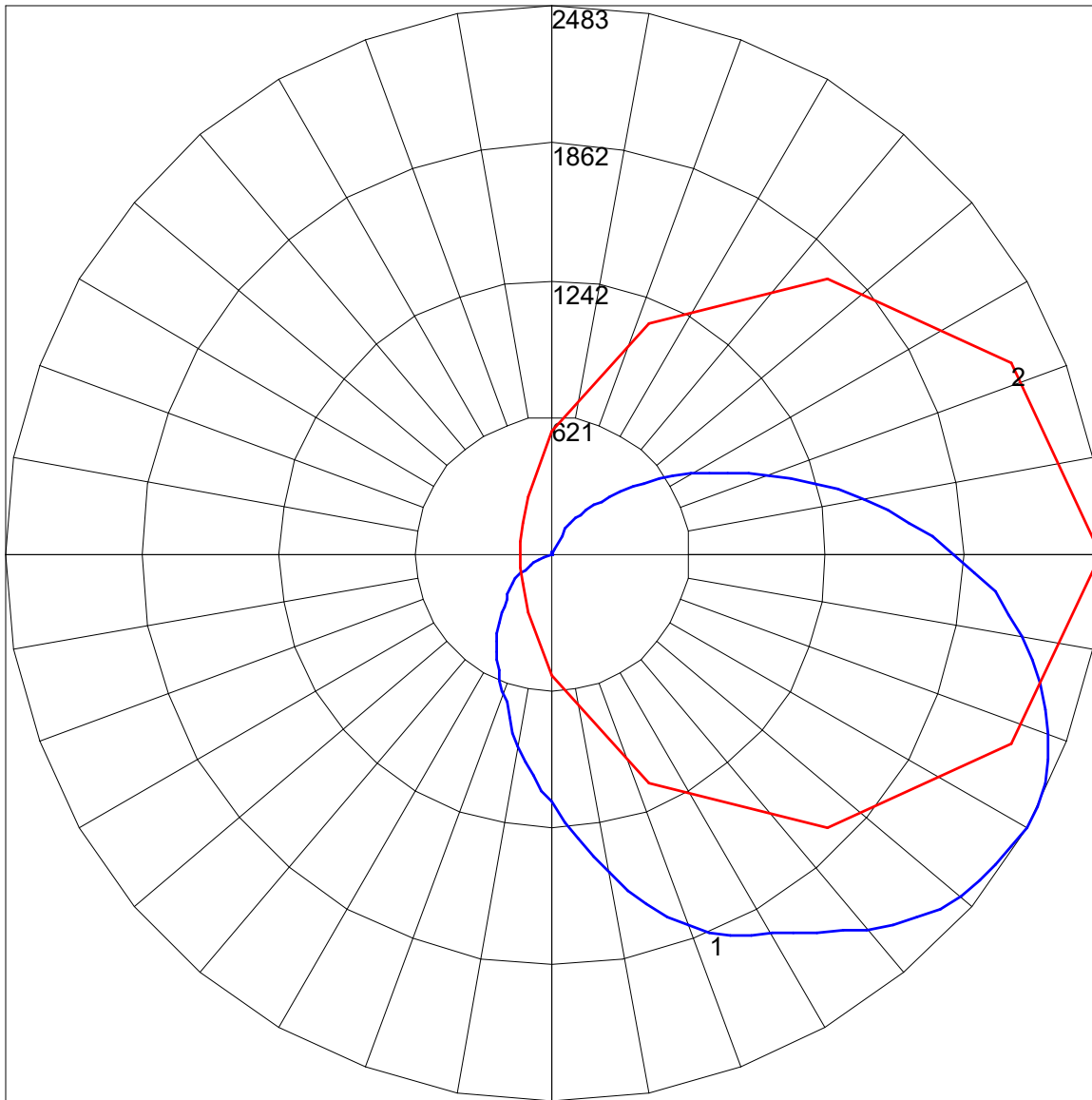
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

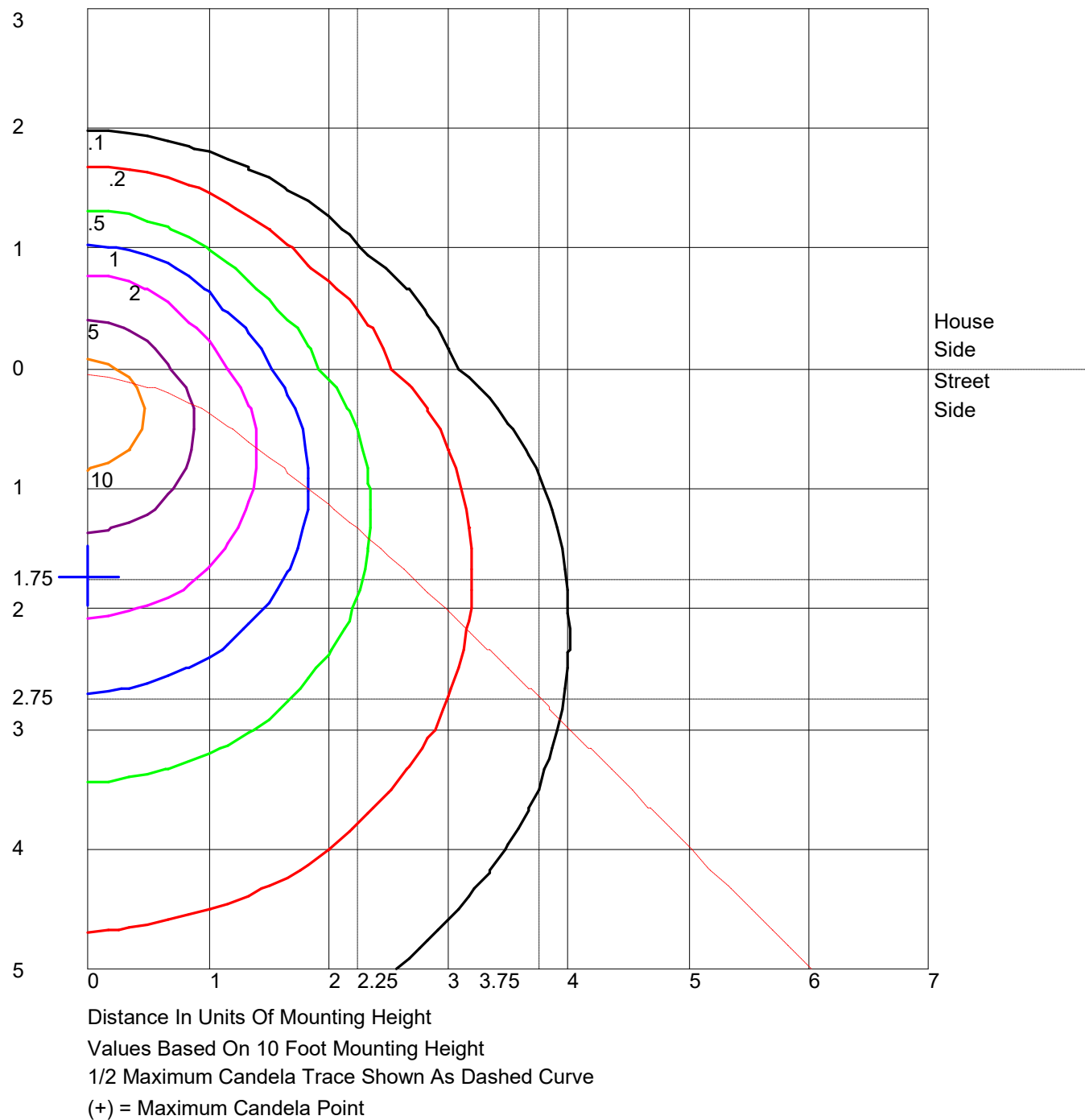
	Lumens	Percent Of Luminaire
Downward Street Side	4783.6	66.4
Downward House Side	968.7	13.4
Downward Total	5752.3	79.8
Upward Street Side	1424.3	19.8
Upward House Side	29.8	0.4
Upward Total	1454.1	20.2
Total Flux	7206.4	100.0

POLAR GRAPH

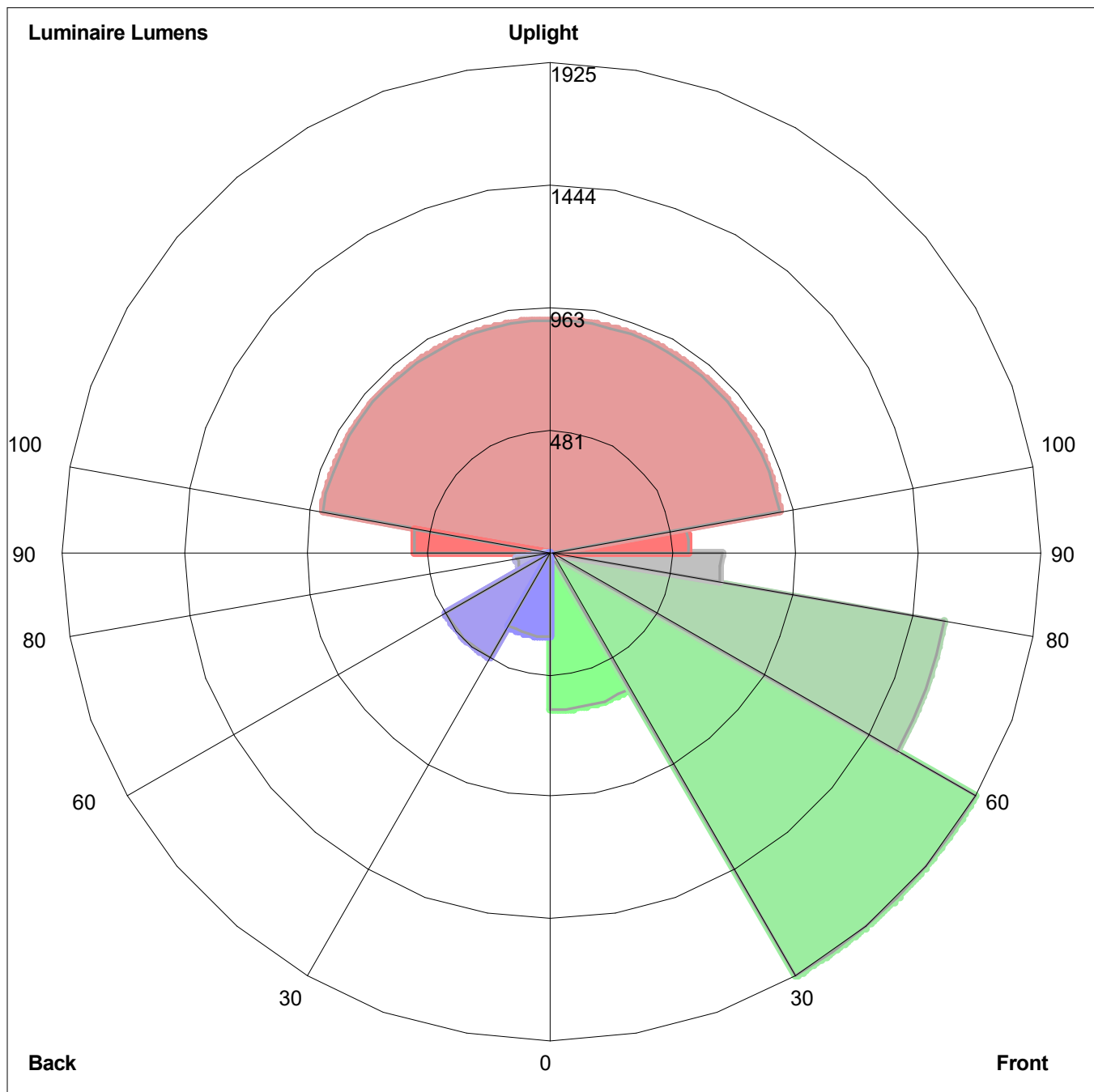


Maximum Candela = 2483 Located At Horizontal Angle = 360, Vertical Angle = 60
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=621.1, Medium=1925.4, High=1567.5, Very High=669.5
Back: Low=334.4, Medium=478.1, High=136.4, Very High=19.8
Uplight: Low=540.7, High=913.4

BUG Rating : B1-U4-G4