



IES ROAD REPORT

PHOTOMETRIC FILENAME : WPTZS-L15-850-T3-DIM-UNV_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM Q2016030802 scaled from 22w

[TESTLAB] QSSI

[ISSUEDATE] 04-20-2026

[MANUFAC] H.E. WILLIAMS, INC.

[MORE] CARTHAGE, MO. 64836

[LUMCAT] WPTZS-L15-850-T3-DIM-UNV

[LUMINAIRE] LED WALLPACK WITH TYPE III OPTICS, CLEAR GLASS LENS

[LAMPCAT] SAMSUNG 561B LEDS

[LAMP] 14 SAMSUNG 561B LEDS

CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1444
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	15.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Maximum Candela	601.522
Maximum Candela Angle	360H 32.5V
Maximum Candela (<90 Degrees Vertical)	601.522
Maximum Candela Angle (<90 Degrees Vertical)	360H 32.5V
Maximum Candela At 90 Degrees Vertical	1.352 (0.1% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	121.802 (8.4% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : WPTZS-L15-850-T3-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	205.7	N.A.	14.2
FM - Front-Medium (30-60)	577.3	N.A.	40.0
FH - Front-High (60-80)	237.0	N.A.	16.4
FVH - Front-Very High (80-90)	5.2	N.A.	0.4
BL - Back-Low (0-30)	79.7	N.A.	5.5
BM - Back-Medium (30-60)	216.7	N.A.	15.0
BH - Back-High (60-80)	108.4	N.A.	7.5
BVH - Back-Very High (80-90)	4.5	N.A.	0.3
UL - Uplight-Low (90-100)	1.1	N.A.	0.1
UH - Uplight-High (100-180)	8.2	N.A.	0.6
Total	1443.8	N.A.	100.0
BUG Rating	B0-U1-G0		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	10	20	30	40	50	60	70	80	90
0.0	238.148	238.148	238.148	238.148	238.148	238.148	238.148	238.148	238.148	238.148
2.5	304.713	307.002	300.605	301.645	287.915	283.338	266.540	261.755	249.533	239.080
5.0	375.912	376.432	367.955	364.938	346.684	331.602	315.427	293.844	265.552	243.865
7.5	431.248	429.896	420.587	418.402	393.283	373.987	349.596	329.625	290.047	253.434
10.0	468.382	468.330	458.657	452.467	430.416	409.249	384.129	360.570	315.219	267.736
12.5	495.374	492.929	488.197	482.996	460.373	438.893	414.814	387.406	338.414	283.599
15.0	518.985	516.645	514.461	510.300	486.012	466.561	443.678	414.086	360.361	296.704
17.5	538.384	537.136	536.564	530.011	509.520	486.585	469.786	438.790	380.957	314.543
20.0	553.363	555.599	560.228	550.086	531.103	510.248	493.450	462.245	400.356	329.313
22.5	561.788	569.589	577.390	566.677	550.398	530.479	514.409	484.037	418.818	346.788
25.0	567.301	576.194	587.323	578.899	564.804	546.913	532.663	502.239	436.969	363.482
27.5	580.355	584.151	585.295	586.960	578.483	566.417	549.670	516.905	453.508	375.496
30.0	588.572	585.139	585.243	591.641	587.480	578.015	560.071	533.131	469.266	390.006
32.5	601.522	585.400	586.855	590.288	589.664	582.539	570.005	546.081	484.713	404.672
35.0	577.546	582.643	577.910	582.071	590.756	586.076	578.378	555.651	497.194	415.334
37.5	508.688	528.295	547.434	568.913	592.472	594.292	582.279	564.181	509.832	425.475
40.0	454.340	475.351	494.178	546.862	590.028	588.780	583.475	573.281	520.078	433.120
42.5	420.119	438.270	451.635	500.939	574.790	579.262	581.759	578.586	525.383	438.790
45.0	437.333	436.710	430.416	456.784	540.464	582.851	578.794	579.782	533.339	447.422
47.5	430.676	442.742	435.513	433.901	491.890	577.858	568.393	576.610	542.597	455.848
50.0	430.520	448.411	440.402	439.414	454.600	563.400	557.107	561.424	533.600	449.867
52.5	431.300	454.704	444.198	447.579	442.482	518.257	538.489	529.647	516.645	450.647
55.0	450.544	464.585	457.929	463.649	452.467	465.314	515.137	510.976	514.148	456.212
57.5	460.112	485.076	472.907	469.370	456.940	431.976	491.109	487.261	492.721	448.723
60.0	431.352	451.999	465.729	477.691	449.399	421.887	430.000	453.040	465.366	438.633
62.5	377.992	404.412	425.164	455.588	447.111	396.611	357.865	420.327	450.075	438.582
65.0	286.823	323.541	363.014	400.824	405.192	361.506	308.250	388.134	428.752	436.605
67.5	163.981	206.731	260.507	332.225	339.923	319.224	283.026	356.773	402.124	426.516
70.0	66.518	91.482	141.981	233.567	266.488	271.272	250.261	298.421	370.035	413.045
72.5	41.034	48.419	70.418	120.658	204.391	212.244	206.367	222.749	328.325	385.273
75.0	24.651	29.540	37.290	60.797	117.850	151.186	134.648	141.097	250.106	304.610
77.5	14.978	18.359	22.260	30.789	59.081	87.685	82.953	87.789	162.316	215.780
80.0	9.726	10.765	11.806	16.122	28.917	39.058	47.223	51.435	100.219	121.802
82.5	5.357	5.721	7.021	9.102	12.950	16.643	15.862	22.987	53.724	52.840
85.0	1.976	2.184	2.340	3.693	5.253	6.345	6.397	8.477	13.834	13.002
87.5	0.728	0.780	0.832	0.884	0.936	1.196	1.352	1.820	1.976	2.496
90.0	0.520	0.520	0.520	0.520	0.468	0.416	0.520	0.624	0.728	1.300
92.5	0.468	0.520	0.468	0.468	0.468	0.468	0.520	0.624	0.780	1.248
95.0	0.520	0.468	0.468	0.468	0.468	0.468	0.520	0.676	0.780	1.300
97.5	0.468	0.468	0.468	0.468	0.416	0.468	0.572	0.728	0.832	1.352
100.0	0.416	0.468	0.468	0.468	0.468	0.468	0.572	0.728	0.832	1.352
102.5	0.416	0.468	0.416	0.468	0.520	0.572	0.624	0.728	0.884	1.352
105.0	0.416	0.416	0.468	0.520	0.520	0.572	0.624	0.780	0.936	1.300
107.5	0.468	0.416	0.468	0.468	0.468	0.572	0.624	0.780	0.936	1.300
110.0	0.364	0.364	0.468	0.468	0.520	0.520	0.676	0.780	0.936	1.300
112.5	0.312	0.416	0.468	0.468	0.468	0.572	0.676	0.780	0.936	1.248
115.0	0.260	0.416	0.468	0.468	0.520	0.572	0.676	0.780	0.936	1.248
117.5	0.260	0.364	0.416	0.468	0.468	0.520	0.624	0.832	0.936	1.248
120.0	0.260	0.364	0.416	0.468	0.468	0.520	0.624	0.780	0.936	1.196
122.5	0.260	0.364	0.416	0.468	0.520	0.520	0.624	0.780	0.988	1.196
125.0	0.260	0.416	0.468	0.468	0.520	0.572	0.676	0.780	0.988	1.300
127.5	0.312	0.416	0.468	0.520	0.520	0.572	0.676	0.832	1.040	1.352
130.0	0.312	0.416	0.468	0.520	0.520	0.624	0.728	0.936	1.092	1.404

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CANDELA TABULATION - (Cont.)

132.5	0.364	0.416	0.520	0.520	0.572	0.676	0.780	0.988	1.144	1.404
135.0	0.416	0.416	0.520	0.572	0.676	0.728	0.832	0.988	1.196	1.508
137.5	0.416	0.520	0.572	0.624	0.676	0.780	0.884	1.092	1.300	1.560
140.0	0.520	0.572	0.676	0.676	0.780	0.884	0.988	1.196	1.352	1.664
142.5	0.572	0.624	0.728	0.780	0.884	0.988	1.144	1.300	1.508	1.768
145.0	0.676	0.728	0.832	0.936	1.040	1.144	1.300	1.508	1.664	1.872
147.5	0.832	0.832	1.040	1.040	1.196	1.300	1.560	1.716	1.872	2.028
150.0	1.040	1.092	1.196	1.300	1.508	1.612	1.768	1.925	2.184	2.236
152.5	1.352	1.404	1.560	1.612	1.820	1.976	2.184	2.340	2.601	2.393
155.0	1.820	1.820	1.976	2.133	2.340	2.444	2.652	2.861	3.069	2.652
157.5	2.340	2.393	2.496	2.652	2.861	3.017	3.224	3.380	3.588	2.912
160.0	2.861	2.912	3.069	3.172	3.380	3.537	3.745	3.900	4.056	3.277
162.5	3.380	3.380	3.537	3.640	3.797	4.005	4.161	4.316	4.421	3.640
165.0	3.797	3.848	3.953	4.108	4.265	4.369	4.524	4.681	4.733	3.953
167.5	4.161	4.213	4.265	4.369	4.524	4.681	4.784	4.889	5.045	4.265
170.0	4.369	4.421	4.524	4.577	4.733	4.889	4.941	5.045	5.149	4.524
172.5	4.577	4.577	4.681	4.733	4.837	4.941	5.045	5.149	5.149	4.681
175.0	4.629	4.681	4.784	4.837	4.941	4.992	5.045	5.149	5.149	4.784
177.5	4.733	4.733	4.837	4.941	4.992	5.045	5.045	5.149	5.201	4.837
180.0	4.783	4.783	4.783	4.783	4.783	4.783	4.783	4.783	4.783	4.783

Vert. Angles	Horizontal Angles									
	<u>100</u>	<u>110</u>	<u>120</u>	<u>130</u>	<u>140</u>	<u>150</u>	<u>160</u>	<u>170</u>	<u>180</u>	<u>190</u>
0.0	238.148	238.148	238.148	238.148	238.148	238.148	238.148	238.148	238.148	238.148
2.5	234.659	228.366	220.981	216.665	212.764	213.388	207.043	209.227	211.463	211.516
5.0	230.862	220.513	210.892	204.962	201.894	199.502	193.521	194.613	193.885	194.769
7.5	229.250	215.260	204.859	196.538	192.897	188.528	184.159	184.368	182.807	183.743
10.0	228.678	211.048	198.930	188.684	183.848	179.063	177.554	174.902	173.394	175.110
12.5	231.175	208.395	194.301	182.079	176.723	171.626	169.754	167.829	165.437	167.621
15.0	236.687	206.523	189.568	178.127	171.469	164.812	162.940	161.016	159.300	161.172
17.5	244.436	205.691	185.147	175.578	164.709	158.571	155.659	154.983	154.931	155.555
20.0	251.821	206.263	182.079	170.845	159.352	154.671	151.186	149.626	151.551	150.770
22.5	261.495	208.915	179.114	168.349	156.491	150.770	148.378	146.714	149.522	147.338
25.0	270.180	209.591	179.114	166.009	154.047	147.754	145.621	142.813	144.166	145.414
27.5	279.178	211.828	178.751	161.068	152.487	145.830	140.577	139.641	138.236	140.785
30.0	288.279	212.192	178.646	160.756	151.083	141.825	138.497	131.684	134.440	138.081
32.5	298.056	215.312	179.479	161.068	146.922	138.965	137.613	130.280	133.348	136.053
35.0	307.782	221.137	182.547	162.368	143.593	137.925	133.868	132.880	133.348	134.700
37.5	317.923	227.274	186.448	161.120	137.144	137.405	132.360	130.280	128.043	133.088
40.0	328.741	231.643	188.008	159.872	146.038	137.873	129.551	123.831	122.166	128.719
42.5	340.859	236.167	189.048	162.524	148.586	134.752	122.895	120.242	116.029	124.767
45.0	348.556	242.668	191.388	163.305	145.206	128.979	120.814	117.277	115.665	121.334
47.5	357.034	249.117	194.561	159.820	136.416	124.663	119.618	114.885	111.765	119.670
50.0	357.189	254.526	192.221	162.524	141.253	124.402	119.878	105.888	106.356	111.973
52.5	352.248	249.845	190.452	159.664	143.490	118.630	98.815	96.422	98.607	100.583
55.0	359.114	248.649	174.278	160.184	138.236	97.515	84.149	93.718	91.690	96.319
57.5	355.993	246.569	181.559	152.799	117.798	96.214	73.383	89.194	90.441	93.094
60.0	346.008	233.723	175.474	138.444	98.711	82.120	69.742	78.532	82.172	85.969
62.5	346.580	226.702	163.616	109.008	74.163	71.718	68.546	72.499	77.543	80.144
65.0	347.776	221.501	146.766	87.529	63.606	67.766	61.525	68.754	68.026	72.031
67.5	342.471	207.927	113.845	74.475	58.665	54.764	52.528	55.440	56.688	60.849
70.0	327.441	185.616	89.089	64.646	44.466	41.294	39.214	40.410	45.143	48.523
72.5	302.737	147.078	67.922	51.072	33.181	31.100	26.420	31.725	33.805	34.481
75.0	230.291	81.912	47.535	35.469	24.028	20.387	17.214	20.699	19.867	21.635
77.5	157.687	44.155	28.500	22.936	15.551	13.730	12.794	13.002	12.482	14.354

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CANDELA TABULATION - (Cont.)

80.0	87.997	25.744	18.983	14.146	9.465	9.778	9.934	8.842	8.529	9.570
82.5	31.413	14.926	10.610	8.477	5.565	5.929	5.565	5.149	5.253	5.565
85.0	8.529	5.669	5.513	4.524	3.745	3.537	3.432	3.380	3.848	3.848
87.5	2.704	2.704	2.809	2.704	2.548	2.340	2.288	2.340	2.548	2.393
90.0	1.352	1.300	1.352	1.248	1.196	1.144	1.092	1.040	1.040	1.040
92.5	1.352	1.300	1.300	1.248	1.144	1.092	1.092	1.040	1.040	1.040
95.0	1.352	1.404	1.352	1.352	1.248	1.196	1.092	1.144	1.144	1.144
97.5	1.404	1.508	1.457	1.404	1.300	1.248	1.196	1.248	1.196	1.248
100.0	1.508	1.508	1.508	1.508	1.404	1.300	1.248	1.248	1.196	1.300
102.5	1.457	1.560	1.612	1.560	1.457	1.352	1.352	1.300	1.300	1.352
105.0	1.457	1.560	1.612	1.560	1.508	1.404	1.352	1.352	1.352	1.352
107.5	1.508	1.560	1.612	1.560	1.508	1.457	1.404	1.404	1.404	1.404
110.0	1.404	1.560	1.612	1.612	1.560	1.508	1.457	1.404	1.457	1.457
112.5	1.457	1.560	1.612	1.612	1.508	1.508	1.457	1.404	1.404	1.457
115.0	1.404	1.560	1.612	1.560	1.508	1.457	1.457	1.404	1.404	1.457
117.5	1.404	1.612	1.560	1.560	1.560	1.404	1.404	1.404	1.404	1.404
120.0	1.404	1.560	1.560	1.560	1.508	1.457	1.404	1.352	1.404	1.404
122.5	1.404	1.560	1.560	1.560	1.508	1.457	1.404	1.352	1.404	1.404
125.0	1.457	1.560	1.664	1.612	1.612	1.560	1.508	1.508	1.508	1.508
127.5	1.508	1.664	1.716	1.716	1.716	1.716	1.664	1.612	1.612	1.664
130.0	1.560	1.768	1.872	1.872	1.925	1.872	1.872	1.820	1.820	1.820
132.5	1.612	1.820	1.925	2.028	2.028	2.028	2.028	2.028	2.028	2.028
135.0	1.716	1.872	1.976	2.133	2.184	2.236	2.236	2.236	2.236	2.184
137.5	1.768	1.925	2.080	2.184	2.288	2.340	2.393	2.393	2.393	2.393
140.0	1.872	2.028	2.184	2.288	2.444	2.496	2.548	2.548	2.601	2.601
142.5	1.976	2.184	2.288	2.444	2.548	2.652	2.704	2.756	2.756	2.756
145.0	2.080	2.288	2.393	2.601	2.704	2.809	2.861	2.912	2.912	2.912
147.5	2.236	2.393	2.548	2.756	2.861	3.017	3.069	3.069	3.069	3.120
150.0	2.393	2.548	2.704	2.964	3.069	3.120	3.224	3.277	3.277	3.277
152.5	2.548	2.704	2.912	3.069	3.277	3.380	3.380	3.432	3.485	3.432
155.0	2.809	3.017	3.120	3.277	3.432	3.537	3.640	3.640	3.640	3.640
157.5	3.069	3.224	3.329	3.432	3.640	3.693	3.797	3.797	3.848	3.745
160.0	3.380	3.485	3.537	3.693	3.797	3.848	3.953	3.953	3.953	3.953
162.5	3.693	3.745	3.797	3.900	3.953	4.056	4.108	4.108	4.161	4.161
165.0	4.005	4.005	4.056	4.056	4.161	4.213	4.213	4.265	4.316	4.316
167.5	4.265	4.213	4.213	4.213	4.265	4.316	4.369	4.421	4.421	4.421
170.0	4.473	4.421	4.369	4.421	4.421	4.473	4.473	4.473	4.524	4.577
172.5	4.577	4.577	4.524	4.524	4.524	4.524	4.524	4.524	4.577	4.681
175.0	4.681	4.629	4.577	4.577	4.524	4.524	4.524	4.577	4.681	4.733
177.5	4.733	4.629	4.577	4.577	4.524	4.524	4.524	4.629	4.681	4.784
180.0	4.783	4.783	4.783	4.783	4.783	4.783	4.783	4.783	4.783	4.783

Vert. Horizontal Angles
Angles

	<u>200</u>	<u>210</u>	<u>220</u>	<u>230</u>	<u>240</u>	<u>250</u>	<u>260</u>	<u>270</u>	<u>280</u>	<u>290</u>
0.0	238.148	238.148	238.148	238.148	238.148	238.148	238.148	238.148	238.148	238.148
2.5	210.632	214.532	212.608	215.000	218.849	226.754	232.890	239.184	251.145	261.807
5.0	196.277	201.166	199.242	202.882	207.823	217.496	228.314	243.917	268.464	293.948
7.5	186.344	189.204	189.621	194.613	200.334	211.620	226.754	253.590	294.780	331.186
10.0	178.178	180.155	182.131	187.436	194.977	207.927	228.522	270.492	323.124	364.522
12.5	170.950	173.342	174.798	181.403	191.025	205.015	231.643	284.586	348.296	394.999
15.0	164.552	167.257	168.817	176.826	186.396	203.766	237.624	301.645	371.491	423.395
17.5	157.375	161.588	164.604	173.342	183.275	203.507	243.604	318.288	393.335	449.087
20.0	153.475	155.555	161.016	170.637	180.103	204.494	252.810	335.450	413.878	470.254
22.5	150.563	152.799	157.895	168.037	179.322	207.563	264.720	352.768	432.392	489.133
25.0	147.754	149.314	156.491	167.621	178.283	211.516	276.942	369.255	449.451	505.308

IES ROAD REPORT
PHOTOMETRIC FILENAME : WPTZS-L15-850-T3-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.5	143.177	147.130	154.515	166.164	179.322	215.676	287.603	381.841	466.145	522.938
30.0	141.149	145.986	152.955	163.824	180.051	220.825	298.629	395.675	483.048	539.372
32.5	140.577	143.073	149.939	163.252	180.051	225.505	312.047	409.665	498.339	549.618
35.0	138.704	143.385	148.118	164.292	181.871	230.654	325.100	424.383	512.173	561.060
37.5	137.144	141.669	146.974	165.177	183.795	237.987	337.010	437.957	523.354	566.156
40.0	132.620	140.473	149.054	162.629	186.916	241.992	346.996	449.711	529.023	570.681
42.5	127.159	135.064	149.834	163.565	190.608	246.621	353.081	452.780	525.954	572.085
45.0	124.247	131.892	145.310	166.477	196.538	245.269	348.868	447.215	510.508	553.622
47.5	123.779	129.447	141.149	164.812	197.734	248.025	356.097	453.716	510.716	527.151
50.0	121.490	128.303	138.444	159.092	192.897	256.398	364.054	458.916	510.976	517.581
52.5	107.708	125.391	137.613	149.574	185.980	261.495	366.394	453.976	499.951	503.591
55.0	99.283	110.516	133.244	142.657	181.663	254.214	357.970	442.118	475.455	478.211
57.5	96.006	100.271	111.557	139.589	170.377	244.696	359.374	443.782	461.309	454.756
60.0	90.130	92.990	95.122	127.211	160.340	241.628	361.038	445.707	452.311	439.466
62.5	84.149	85.136	86.073	109.477	149.211	226.650	360.830	444.406	436.969	418.038
65.0	74.787	71.667	77.128	90.649	134.336	211.100	355.473	438.165	414.242	380.385
67.5	62.461	59.445	64.593	76.607	114.313	196.641	346.372	421.211	382.101	315.791
70.0	48.576	45.715	50.344	59.965	84.513	169.389	321.616	391.203	334.618	243.968
72.5	31.985	32.557	36.978	43.739	60.381	131.319	262.848	319.640	260.142	168.453
75.0	20.595	23.247	26.264	30.945	37.290	73.539	189.360	243.240	183.743	100.479
77.5	14.458	16.122	17.319	19.659	23.975	39.890	126.275	165.020	119.722	60.901
80.0	9.881	11.598	10.974	12.066	15.862	24.183	68.858	89.610	63.033	30.789
82.5	6.137	6.917	6.293	7.957	8.634	12.794	30.529	34.637	23.299	12.066
85.0	3.900	4.161	4.213	4.161	4.524	5.409	6.449	6.657	6.137	3.640
87.5	2.496	2.496	2.548	2.444	2.184	2.133	2.080	1.925	1.664	1.560
90.0	1.092	1.092	1.144	1.196	1.248	1.196	1.144	1.248	1.144	0.988
92.5	1.092	1.144	1.196	1.300	1.300	1.300	1.196	1.300	1.144	0.988
95.0	1.144	1.248	1.300	1.352	1.404	1.352	1.300	1.300	1.196	0.988
97.5	1.248	1.300	1.404	1.457	1.508	1.457	1.352	1.352	1.144	0.988
100.0	1.300	1.352	1.457	1.508	1.612	1.560	1.404	1.352	1.144	0.936
102.5	1.352	1.457	1.560	1.560	1.612	1.560	1.457	1.352	1.144	0.936
105.0	1.457	1.508	1.612	1.612	1.664	1.612	1.508	1.300	1.144	0.884
107.5	1.457	1.560	1.612	1.664	1.664	1.664	1.508	1.248	1.040	0.884
110.0	1.508	1.560	1.612	1.664	1.716	1.664	1.457	1.248	1.092	0.832
112.5	1.508	1.560	1.612	1.612	1.716	1.612	1.457	1.248	1.040	0.832
115.0	1.457	1.560	1.560	1.664	1.716	1.612	1.457	1.248	1.040	0.780
117.5	1.457	1.508	1.612	1.664	1.664	1.612	1.457	1.248	0.988	0.780
120.0	1.457	1.508	1.612	1.612	1.664	1.612	1.457	1.248	0.988	0.728
122.5	1.457	1.508	1.560	1.612	1.612	1.560	1.457	1.248	0.988	0.728
125.0	1.560	1.612	1.612	1.664	1.716	1.612	1.457	1.300	0.988	0.780
127.5	1.664	1.768	1.768	1.820	1.820	1.664	1.508	1.300	0.988	0.780
130.0	1.872	1.925	1.925	1.925	1.872	1.768	1.560	1.300	1.040	0.832
132.5	2.028	2.080	2.080	2.080	1.976	1.872	1.612	1.248	1.040	0.832
135.0	2.184	2.236	2.236	2.236	2.080	1.872	1.716	1.300	1.040	0.884
137.5	2.444	2.393	2.393	2.288	2.184	1.976	1.768	1.352	1.144	0.884
140.0	2.601	2.548	2.496	2.393	2.236	2.080	1.872	1.457	1.248	0.988
142.5	2.756	2.704	2.652	2.496	2.340	2.184	2.028	1.560	1.352	1.144
145.0	2.912	2.861	2.756	2.652	2.496	2.340	2.133	1.716	1.508	1.300
147.5	3.069	3.069	2.912	2.809	2.601	2.444	2.288	1.872	1.664	1.457
150.0	3.224	3.172	3.069	2.964	2.809	2.652	2.496	2.133	1.872	1.716
152.5	3.380	3.329	3.277	3.224	3.017	2.912	2.756	2.444	2.184	1.976
155.0	3.588	3.537	3.432	3.432	3.277	3.172	3.069	2.861	2.601	2.444
157.5	3.745	3.745	3.640	3.640	3.537	3.485	3.380	3.329	3.120	2.912
160.0	3.953	3.953	3.900	3.900	3.848	3.797	3.693	3.745	3.537	3.380
162.5	4.108	4.108	4.108	4.056	4.108	4.056	4.056	4.108	3.900	3.848
165.0	4.316	4.316	4.316	4.316	4.316	4.369	4.369	4.369	4.265	4.108

IES ROAD REPORT
PHOTOMETRIC FILENAME : WPTZS-L15-850-T3-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

167.5	4.473	4.524	4.524	4.524	4.524	4.629	4.681	4.577	4.421	4.316
170.0	4.629	4.629	4.733	4.733	4.784	4.837	4.889	4.629	4.524	4.473
172.5	4.733	4.784	4.837	4.837	4.941	4.941	4.992	4.681	4.577	4.524
175.0	4.784	4.889	4.889	4.941	4.941	5.045	5.045	4.733	4.577	4.524
177.5	4.837	4.941	4.941	4.941	4.992	5.097	5.201	4.784	4.681	4.577
180.0	4.783	4.783	4.783	4.783	4.783	4.783	4.783	4.783	4.783	4.783

Vert. Angles **Horizontal Angles**

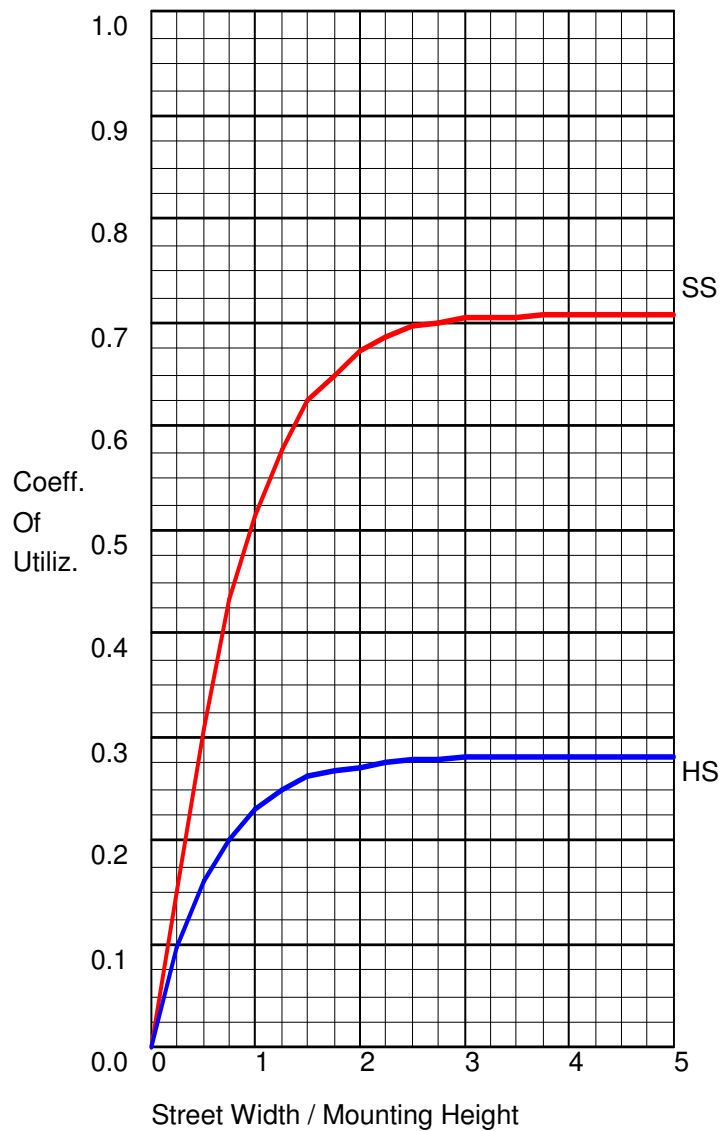
	<u>300</u>	<u>310</u>	<u>320</u>	<u>330</u>	<u>340</u>	<u>350</u>	<u>360</u>
0.0	238.148	238.148	238.148	238.148	238.148	238.148	238.148
2.5	268.672	278.865	285.106	297.796	295.716	305.546	304.713
5.0	325.932	330.405	343.355	361.506	363.275	375.080	375.912
7.5	355.161	377.004	400.148	415.022	417.830	430.000	431.248
10.0	392.918	416.114	434.472	454.392	455.120	467.082	468.382
12.5	425.527	448.099	465.469	484.816	483.360	495.322	495.374
15.0	454.080	475.455	492.566	510.768	508.376	520.234	518.985
17.5	479.511	497.922	518.049	530.583	530.895	538.073	538.384
20.0	501.615	517.425	539.685	544.937	553.311	556.535	553.363
22.5	519.870	529.335	553.259	557.887	571.098	568.341	561.788
25.0	538.592	541.193	566.312	569.693	577.702	578.378	567.301
27.5	554.143	558.148	571.305	575.986	575.518	584.515	580.355
30.0	562.568	574.165	573.229	579.990	575.778	581.083	588.572
32.5	569.017	581.863	575.986	581.707	579.679	582.539	601.522
35.0	574.165	583.007	574.530	574.842	575.206	569.693	577.546
37.5	578.015	580.563	578.586	559.760	525.591	515.345	508.688
40.0	573.854	574.478	579.938	520.597	480.760	472.074	454.340
42.5	573.126	570.317	560.436	471.606	440.454	441.234	420.119
45.0	564.752	574.530	503.747	433.641	429.168	443.574	437.333
47.5	546.602	554.663	450.075	426.776	431.976	443.886	430.676
50.0	518.257	506.295	423.707	431.145	437.178	444.510	430.520
52.5	509.832	458.708	434.004	440.194	441.130	450.751	431.300
55.0	496.050	427.868	445.707	453.768	451.323	463.181	450.544
57.5	441.494	419.859	449.867	460.737	472.334	479.771	460.112
60.0	386.677	411.485	449.035	472.907	454.340	438.790	431.352
62.5	351.624	389.174	445.810	442.170	413.461	394.062	377.992
65.0	336.959	367.435	381.737	389.434	350.636	311.527	286.823
67.5	299.045	317.300	316.519	312.047	242.304	190.505	163.981
70.0	241.836	258.583	245.217	198.721	115.925	77.856	66.518
72.5	171.626	195.081	158.624	84.825	51.800	43.790	41.034
75.0	102.507	128.563	74.579	42.438	29.853	27.044	24.651
77.5	57.676	61.734	35.418	20.803	17.942	16.538	14.978
80.0	30.737	23.715	17.423	11.130	9.829	9.986	9.726
82.5	11.078	8.789	6.813	6.397	5.825	5.253	5.357
85.0	3.693	2.964	2.964	2.393	2.133	2.133	1.976
87.5	1.300	1.092	0.936	0.936	0.780	0.728	0.728
90.0	0.780	0.676	0.624	0.624	0.572	0.520	0.520
92.5	0.780	0.728	0.624	0.572	0.520	0.520	0.468
95.0	0.728	0.676	0.572	0.572	0.520	0.468	0.520
97.5	0.780	0.624	0.624	0.520	0.468	0.468	0.468
100.0	0.728	0.624	0.520	0.468	0.416	0.416	0.416
102.5	0.728	0.572	0.520	0.468	0.416	0.416	0.416
105.0	0.728	0.520	0.468	0.468	0.416	0.416	0.416
107.5	0.676	0.520	0.364	0.416	0.416	0.416	0.468
110.0	0.676	0.468	0.312	0.312	0.312	0.364	0.364
112.5	0.624	0.416	0.312	0.260	0.260	0.312	0.312

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

115.0	0.572	0.364	0.312	0.260	0.208	0.260	0.260
117.5	0.572	0.416	0.312	0.312	0.260	0.260	0.260
120.0	0.572	0.364	0.312	0.260	0.208	0.260	0.260
122.5	0.572	0.416	0.312	0.260	0.260	0.260	0.260
125.0	0.520	0.416	0.364	0.312	0.260	0.260	0.260
127.5	0.572	0.416	0.312	0.312	0.312	0.260	0.312
130.0	0.624	0.468	0.364	0.364	0.364	0.312	0.312
132.5	0.624	0.520	0.416	0.416	0.364	0.364	0.364
135.0	0.676	0.572	0.416	0.468	0.416	0.364	0.416
137.5	0.728	0.624	0.520	0.468	0.468	0.468	0.416
140.0	0.832	0.676	0.624	0.572	0.520	0.520	0.520
142.5	0.988	0.832	0.728	0.624	0.624	0.572	0.572
145.0	1.092	0.884	0.832	0.780	0.728	0.676	0.676
147.5	1.300	1.092	1.040	0.936	0.884	0.832	0.832
150.0	1.560	1.300	1.248	1.092	1.040	1.040	1.040
152.5	1.820	1.664	1.457	1.404	1.352	1.300	1.352
155.0	2.236	2.080	1.976	1.820	1.820	1.768	1.820
157.5	2.704	2.601	2.548	2.340	2.340	2.288	2.340
160.0	3.224	3.069	2.964	2.861	2.861	2.809	2.861
162.5	3.640	3.485	3.432	3.380	3.380	3.329	3.380
165.0	4.005	3.900	3.848	3.797	3.797	3.745	3.797
167.5	4.213	4.213	4.161	4.161	4.108	4.108	4.161
170.0	4.369	4.369	4.369	4.369	4.316	4.369	4.369
172.5	4.524	4.473	4.473	4.473	4.473	4.524	4.577
175.0	4.473	4.524	4.524	4.524	4.577	4.577	4.629
177.5	4.524	4.524	4.524	4.577	4.629	4.629	4.733
180.0	4.783	4.783	4.783	4.783	4.783	4.783	4.783

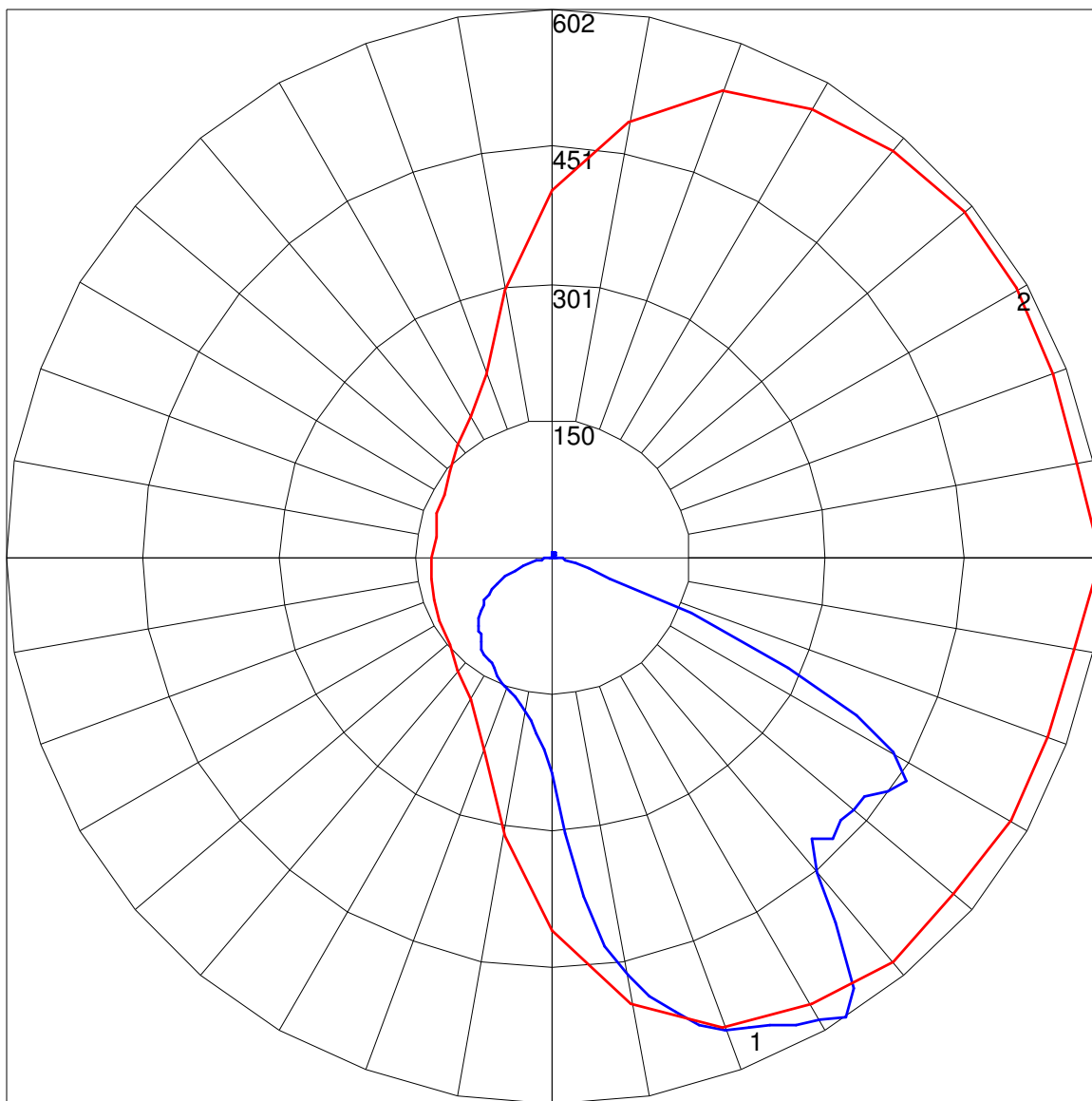
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

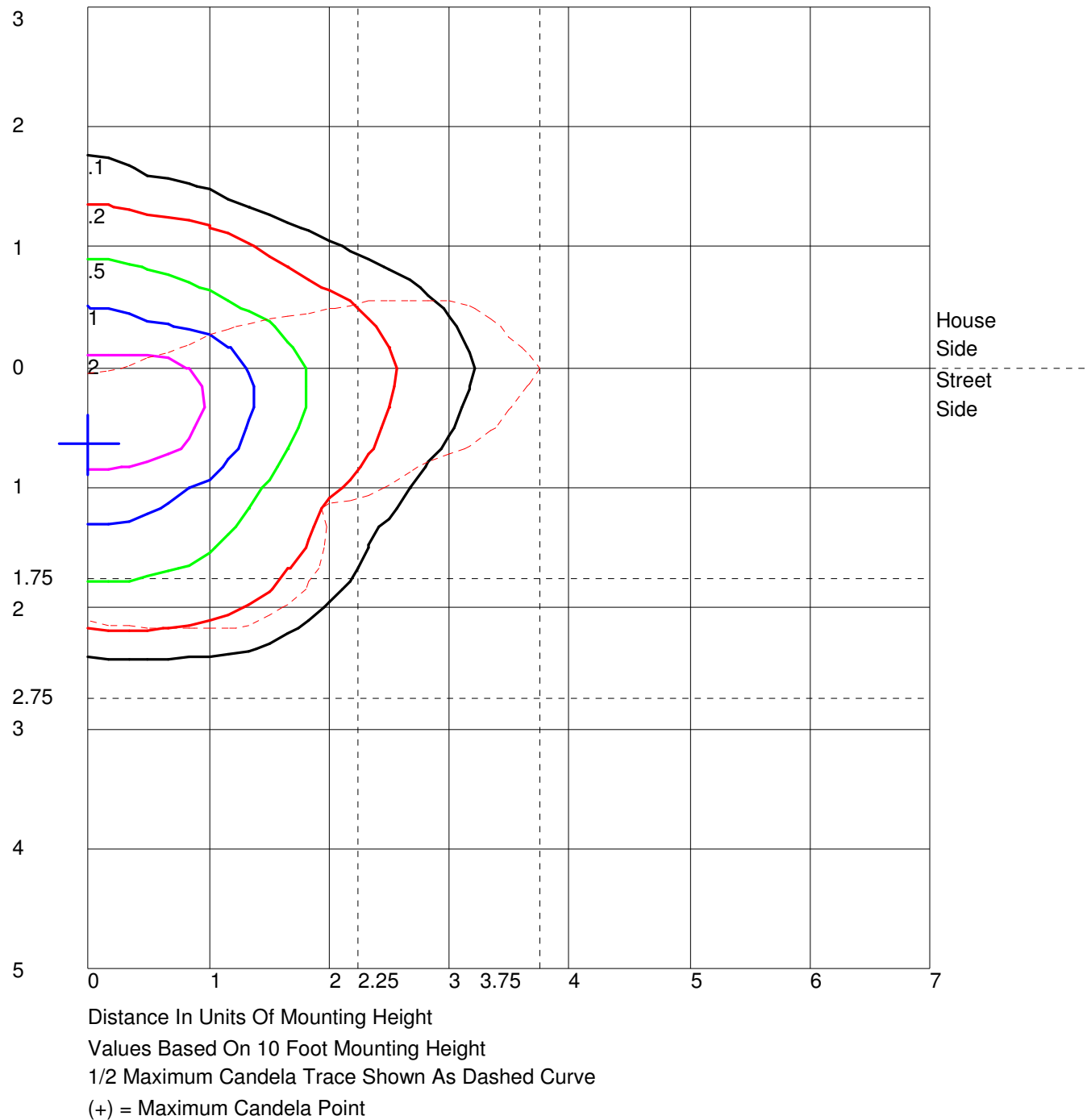
	Lumens	Percent Of Luminaire
Downward Street Side	1025.2	71.0
Downward House Side	409.3	28.3
Downward Total	1434.5	99.4
Upward Street Side	3.2	0.2
Upward House Side	6.1	0.4
Upward Total	9.3	0.6
Total Flux	1443.8	100.0

POLAR GRAPH

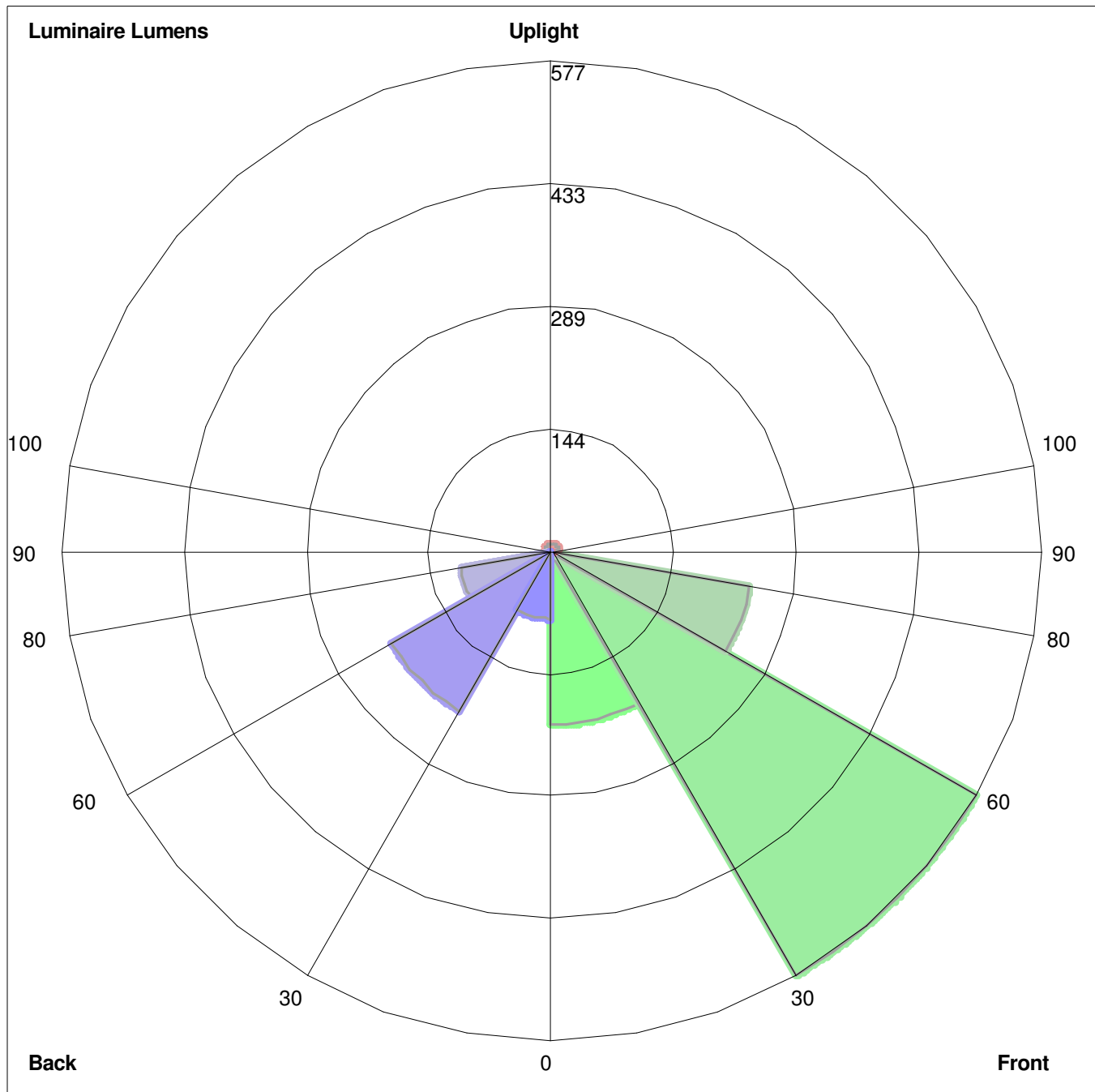


Maximum Candela = 601.522 Located At Horizontal Angle = 360, Vertical Angle = 32.5
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (32.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=205.7, Medium=577.3, High=237.0, Very High=5.2
Back: Low=79.7, Medium=216.7, High=108.4, Very High=4.5
Uplight: Low=1.1, High=8.2

BUG Rating : B0-U1-G0