



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-740-T3-XXX-CGL-DIM-EM10WC-UNV_EM MODE ONLY.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM ATAL009830

[TESTLAB] ATAL-LABS

[ISSUEDATE] 4 DEC 2023

[MANUFAC] WILLIAMS OUTDOOR

[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.

[LUMCAT] VWPX-L60-740-T3-xxx-CGL-EM10WC-DIM-UNV

[LUMINAIRE] VOLTAIRE VERTICAL ARCHITECTURAL WALL PACK WITH TYPE III

[MORE] MOLDED REFRACTIVE CLEAR ACRYLIC LED LENS AND A CLEAR GLASS

[MORE] LENS.

[LAMPCAT] X8-LUXEON M 4000K

[LAMP] (8) LUXEON M 4000K LEDS

[BALLASTCAT] X1-EUC-075S070DT

[BALLAST] (1) INVENTRONICS ELECTRONIC DRIVER

[_SEARCH_SOURCE] LED

[_SEARCH_APPLICATION] Outdoor, Architectural, Area, Commercial, Facade, Industrial, Site, Direct, Wet Location

[_SEARCH_MOUNTING] Wall

CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1320
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	10
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	541.176
Maximum Candela Angle	82.5H 70V
Maximum Candela (<90 Degrees Vertical)	541.176
Maximum Candela Angle (<90 Degrees Vertical)	82.5H 70V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	154.011 (11.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L60-740-T3-XXX-CGL-DIM-EM10WC-UNV_EM MODE ONLY.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	171.3	N.A.	13.0
FM - Front-Medium (30-60)	477.6	N.A.	36.2
FH - Front-High (60-80)	244.5	N.A.	18.5
FVH - Front-Very High (80-90)	9.7	N.A.	0.7
BL - Back-Low (0-30)	112.2	N.A.	8.5
BM - Back-Medium (30-60)	201.6	N.A.	15.3
BH - Back-High (60-80)	98.4	N.A.	7.5
BVH - Back-Very High (80-90)	4.8	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	1320.1	N.A.	100.0
BUG Rating	B1-U0-G0		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>5.0</u>	<u>15.0</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>	<u>82.5</u>
0.0	339.893	339.893	339.893	339.893	339.893	339.893	339.893	339.893	339.893	339.893
2.5	349.519	351.016	350.160	348.663	348.877	346.096	345.454	344.385	342.032	340.962
5.0	355.294	356.150	355.508	354.866	355.508	353.797	353.583	353.583	349.733	347.594
7.5	361.711	361.497	361.069	360.214	361.497	360.642	361.497	363.422	359.786	356.791
10.0	377.968	376.471	375.401	373.904	373.690	371.337	370.909	373.262	370.481	366.845
12.5	386.738	386.310	386.738	388.021	389.733	387.380	383.957	383.957	380.321	375.615
15.0	383.743	383.102	384.599	389.946	398.075	402.353	398.716	394.438	388.449	382.888
17.5	390.374	388.021	388.235	388.663	396.364	407.487	409.839	405.348	395.080	388.663
20.0	419.893	414.331	410.481	401.711	397.861	404.278	414.545	414.331	401.283	392.727
22.5	453.048	447.059	436.364	421.604	408.556	401.497	412.620	420.107	406.845	395.936
25.0	482.781	476.150	458.823	438.289	421.176	405.775	408.984	423.529	412.406	399.786
27.5	503.529	496.684	475.722	450.909	431.872	414.331	409.626	423.957	416.043	402.781
30.0	511.658	505.027	484.706	461.818	441.069	423.743	414.973	422.460	418.396	404.492
32.5	514.866	507.380	488.556	468.663	450.695	432.727	420.535	423.315	421.176	405.561
35.0	521.497	514.438	495.829	478.075	460.749	442.353	425.027	426.524	424.385	406.845
37.5	516.150	511.016	496.898	488.770	474.438	450.909	428.021	427.807	429.305	408.342
40.0	471.016	471.016	477.647	491.123	490.481	461.604	429.946	428.449	436.791	413.262
42.5	390.588	392.299	412.192	476.577	503.743	474.652	432.513	429.519	445.134	421.176
45.0	321.283	321.711	342.246	418.610	506.524	487.487	437.219	431.230	454.331	432.299
47.5	284.706	284.278	299.465	345.454	493.048	499.465	443.208	433.155	461.604	444.064
50.0	258.396	258.823	273.583	319.358	444.492	506.952	449.412	438.503	468.449	455.615
52.5	234.225	233.155	248.984	309.305	391.444	498.396	463.743	448.984	478.503	467.593
55.0	213.048	213.262	228.877	300.962	375.615	462.674	485.989	460.962	483.422	481.925
57.5	191.230	192.299	210.481	291.123	360.856	402.139	501.390	473.369	487.059	494.759
60.0	162.567	162.781	183.102	271.230	334.118	364.706	500.535	471.658	481.497	492.620
62.5	129.198	127.059	145.882	232.086	302.246	318.289	480.214	459.465	475.722	502.246
65.0	79.358	80.642	99.679	186.096	256.471	270.802	431.872	454.759	483.422	517.219
67.5	50.481	52.406	64.385	135.615	208.770	227.380	366.203	462.674	488.984	535.829
70.0	38.075	39.358	50.695	103.957	160.856	184.813	307.380	477.219	490.909	541.176
72.5	29.305	29.733	40.000	80.000	118.289	141.818	252.406	459.893	456.898	495.829
75.0	22.246	22.460	30.160	60.107	81.497	100.321	181.390	398.075	398.716	394.011
77.5	16.043	16.471	21.176	43.422	55.615	64.171	115.936	305.882	287.059	234.438
80.0	9.840	10.267	13.048	28.021	36.150	36.791	81.497	154.011	116.364	83.209
82.5	4.920	5.134	6.203	14.973	20.963	19.037	54.118	49.626	45.134	31.444
85.0	2.353	2.353	2.567	5.989	9.840	8.984	24.813	17.540	18.610	12.193
87.5	0.642	0.642	0.642	1.711	2.353	3.209	4.706	4.706	5.561	3.636
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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	339.893	339.893	339.893	339.893	339.893	339.893	339.893	339.893	339.893	339.893
2.5	340.962	339.893	339.037	337.326	336.471	333.904	332.192	331.765	330.481	330.695
5.0	347.807	345.668	343.743	338.823	334.545	327.700	322.567	318.503	314.011	312.085
7.5	356.791	353.797	350.374	342.246	334.331	322.567	314.011	306.310	299.679	295.829
10.0	366.203	361.925	357.433	346.310	334.759	319.358	308.235	299.251	291.551	286.417
12.5	374.118	368.984	362.995	349.946	335.187	317.647	305.882	296.257	285.561	276.791
15.0	380.749	374.545	366.845	351.016	333.690	316.150	304.385	290.909	274.866	261.176
17.5	385.882	378.823	369.412	349.519	330.053	314.225	299.679	280.000	256.257	234.438
20.0	389.519	380.749	369.412	346.524	325.775	310.588	290.053	260.749	220.535	174.973
22.5	392.085	382.032	369.626	343.957	321.283	303.743	274.866	225.027	157.219	119.358
25.0	395.294	383.529	370.267	341.818	318.930	292.620	248.770	169.840	118.717	110.160
27.5	397.433	385.027	369.839	338.823	316.150	278.075	209.198	127.914	115.508	117.219

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CANDELA TABULATION - (Cont.)

30.0	398.716	384.599	367.914	336.043	310.802	258.610	163.422	119.572	124.064	130.695
32.5	399.786	384.599	366.417	332.620	302.888	233.155	133.048	124.278	135.187	143.315
35.0	399.786	382.032	362.353	329.412	292.834	205.561	129.626	131.337	141.390	142.888
37.5	400.000	380.535	358.716	323.636	280.000	174.759	130.053	132.834	135.187	137.968
40.0	403.208	380.749	355.722	317.005	264.385	145.668	126.203	126.845	129.626	132.834
42.5	408.556	382.460	354.225	310.588	244.920	123.209	113.583	120.000	127.701	157.433
45.0	417.540	386.738	354.438	305.668	222.674	106.952	101.390	112.299	151.872	174.545
47.5	427.807	392.941	357.219	301.604	200.000	87.914	88.128	128.342	162.139	180.749
50.0	438.289	400.214	362.139	299.251	181.390	74.011	76.364	138.396	157.647	159.144
52.5	448.770	406.631	366.203	298.396	173.262	64.813	81.070	118.503	90.909	83.209
55.0	463.315	418.610	375.187	302.460	168.984	57.326	68.449	61.818	56.043	55.615
57.5	478.289	430.802	381.818	300.749	159.572	52.406	47.273	49.198	47.273	45.775
60.0	477.647	433.583	386.738	298.182	147.166	48.128	41.925	42.353	42.781	41.711
62.5	486.631	433.369	380.962	280.428	134.545	43.850	38.503	36.791	38.717	39.144
65.0	501.176	441.711	380.962	267.166	121.497	39.572	35.080	32.941	35.508	38.930
67.5	522.781	458.396	394.011	274.225	110.160	35.722	29.519	29.091	32.299	43.209
70.0	530.053	460.749	393.583	281.497	100.535	32.086	25.455	25.027	31.016	46.845
72.5	488.342	427.593	361.497	265.454	87.701	28.021	21.818	21.390	31.444	45.989
75.0	387.380	342.246	287.273	222.888	60.535	23.529	17.754	17.754	29.733	40.214
77.5	220.107	198.289	165.775	161.711	32.299	19.251	13.904	14.118	24.599	37.005
80.0	71.872	60.963	48.128	65.668	19.893	13.262	9.412	10.909	20.321	30.160
82.5	28.449	23.529	20.107	18.610	11.765	7.273	5.775	7.487	13.690	16.684
85.0	11.337	9.840	8.770	7.701	5.134	4.064	2.995	4.492	6.845	7.059
87.5	3.422	2.995	2.781	2.353	1.497	1.283	0.856	1.711	2.139	1.711
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles

	<u>175.0</u>	<u>180.0</u>
0.0	339.893	339.893
2.5	331.337	330.267
5.0	312.085	311.016
7.5	294.759	294.545
10.0	284.492	285.348
12.5	272.513	273.797
15.0	253.476	254.759
17.5	219.679	220.321
20.0	153.369	152.299
22.5	110.588	110.588
25.0	109.305	109.946
27.5	120.428	121.497
30.0	134.118	135.187
32.5	146.310	146.952
35.0	142.246	142.246
37.5	138.823	139.251
40.0	147.594	150.588
42.5	170.909	171.123
45.0	184.385	184.813
47.5	190.160	190.802
50.0	147.594	151.016
52.5	82.353	84.278
55.0	55.187	55.829
57.5	45.134	44.920
60.0	41.283	41.070
62.5	39.786	39.786
65.0	44.706	45.348

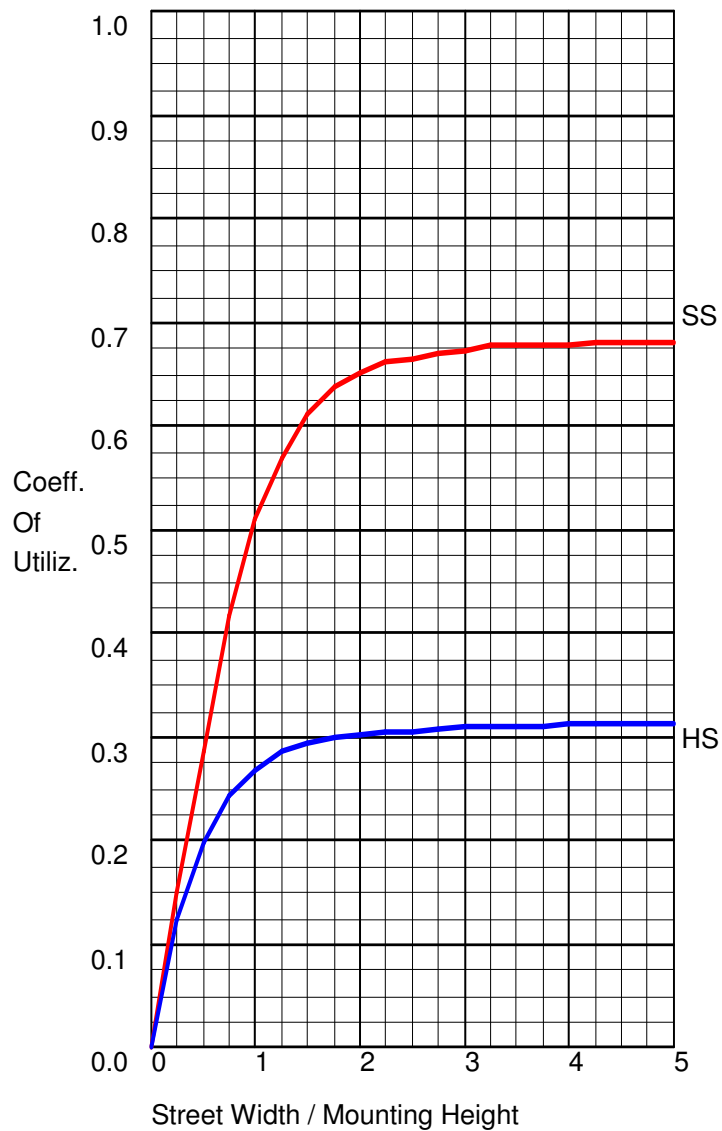
IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L60-740-T3-XXX-CGL-DIM-EM10WC-UNV_EM MODE ONLY.IES****CANDELA TABULATION - (Cont.)**

67.5	49.840	50.481
70.0	52.620	52.834
72.5	49.626	50.267
75.0	47.914	48.984
77.5	44.492	45.561
80.0	32.513	31.444
82.5	16.898	15.615
85.0	7.273	6.845
87.5	1.711	1.711
90.0	0.000	0.000

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COEFFICIENTS OF UTILIZATION



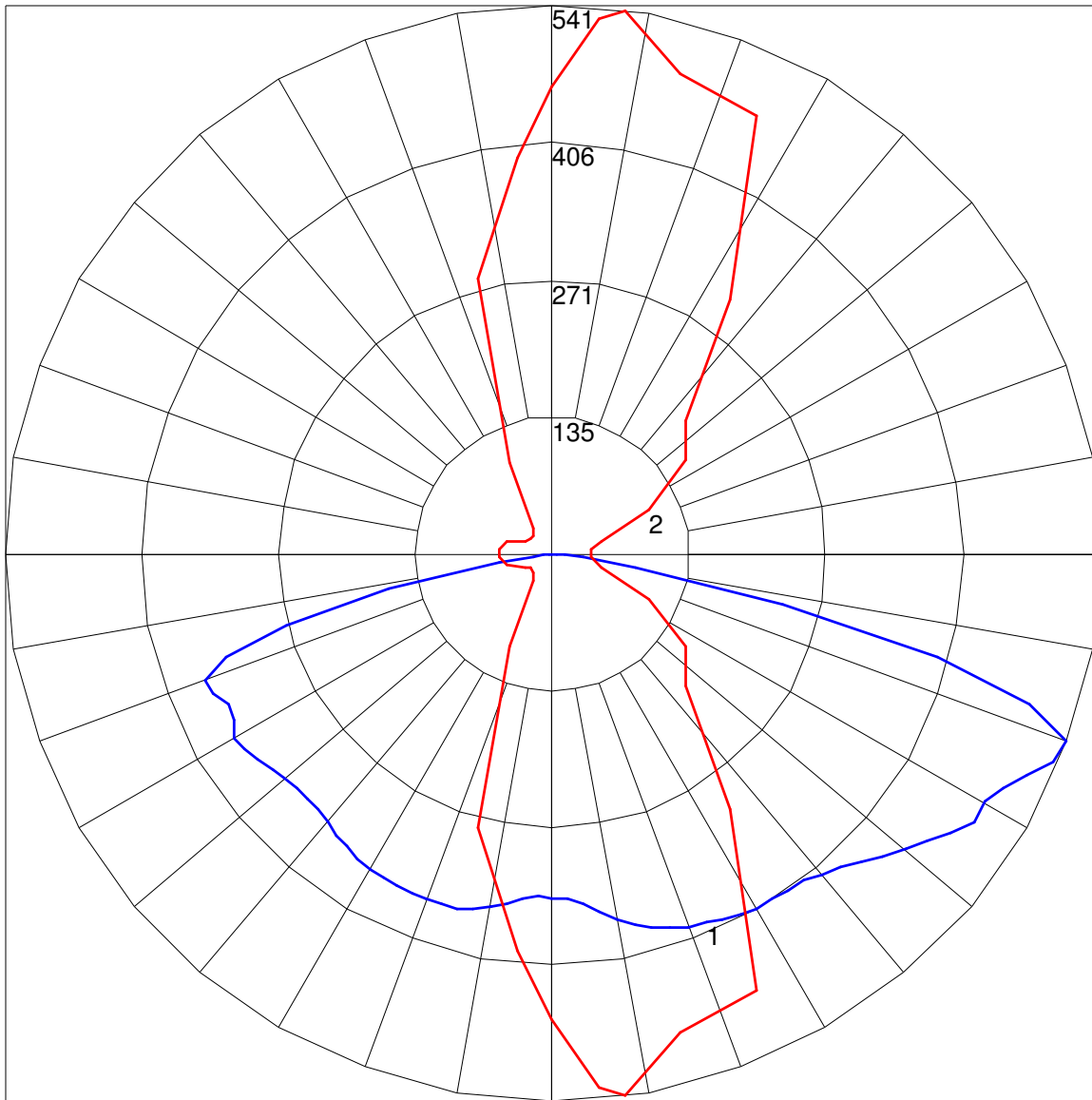
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	903.1	68.4
Downward House Side	417.0	31.6
Downward Total	1320.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	1320.1	100.0

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POLAR GRAPH



Maximum Candela = 541.176 Located At Horizontal Angle = 82.5, Vertical Angle = 70

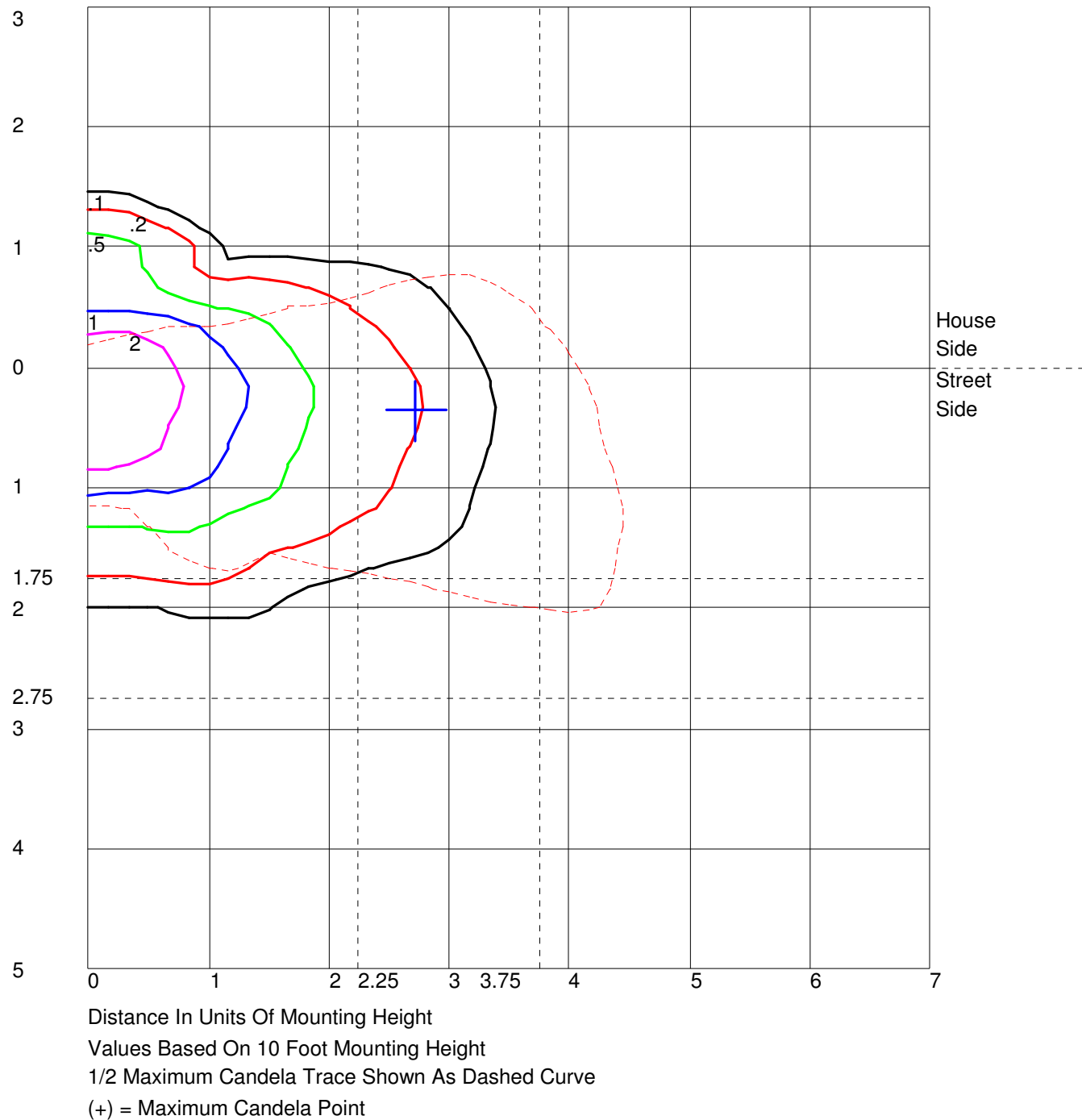
1 - Vertical Plane Through Horizontal Angles (82.5 - 262.5) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

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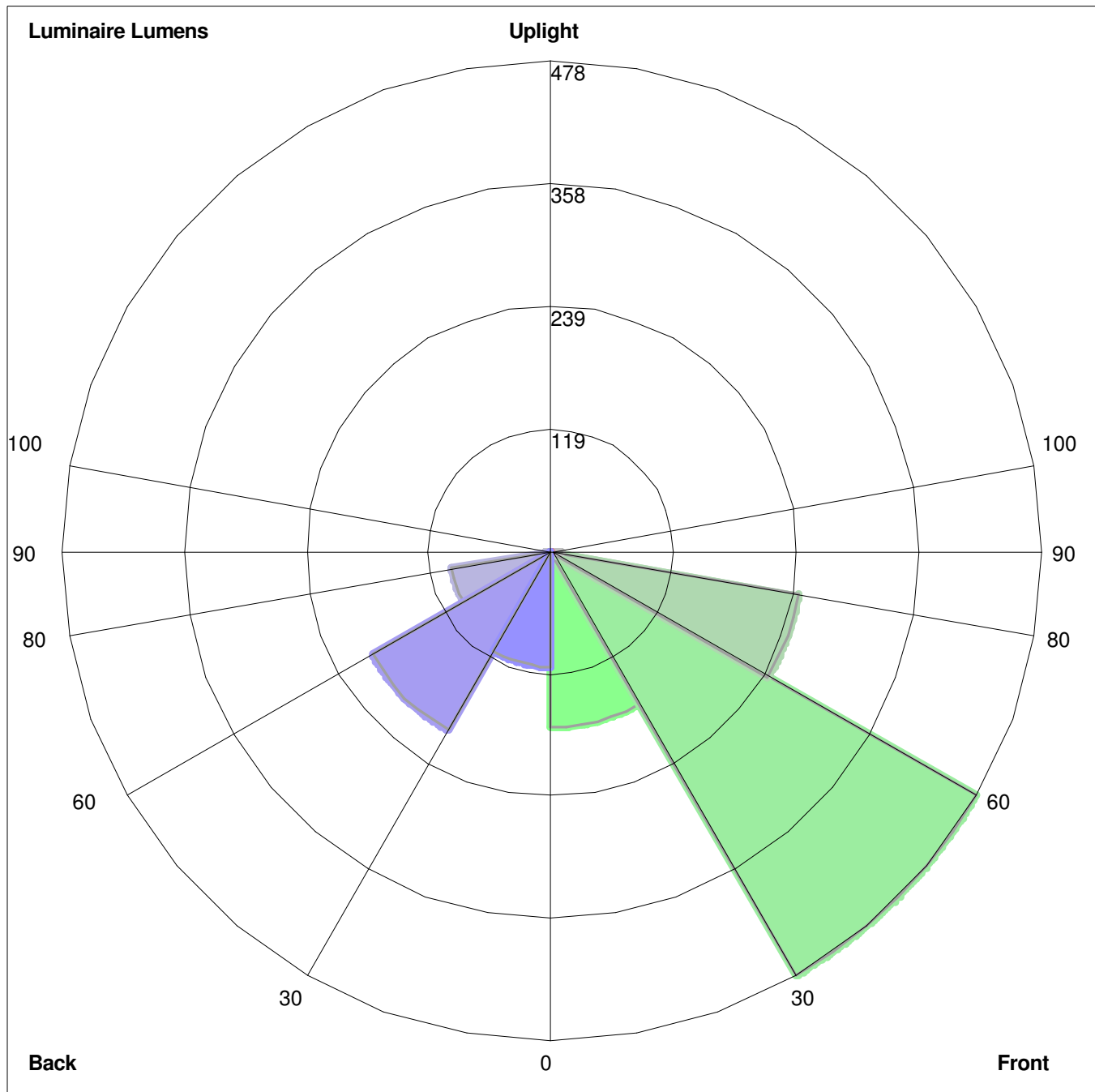
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:

Front: Low=171.3, Medium=477.6, High=244.5, Very High=9.7

Back: Low=112.2, Medium=201.6, High=98.4, Very High=4.8

Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G0