

IES INDOOR REPORT

PHOTOMETRIC FILENAME : VWPX-L60-840-T3-XXX-SDGL-EM10WC-DIM-UNV_EMER MODE ONLY.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM ATAL009419
[TESTLAB] ATAL-LABS
[ISSUE DATE] 2025-11-06
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] VWPx-L60-840-T3-xxx-SDGL-EM/10W-DIM-UNV
[LUMINAIRE] CAST ALUMINUM LED WALL PACK
[MORE] WITH TYPE III DISTRIBUTION AND
[MORE] MICRO-PRISMATIC GLASS LENS
[LAMPCAT] X4-LUXEON M
[LAMP] 8 WHITE LED
[_SEARCH_SOURCE TYPE] LED
[_SEARCH_APPLICATION] Outdoor
[_SEARCH_MOUNTING] Wall

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1180
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.80
Spacing Criterion (90-270)	1.72
Spacing Criterion (Diagonal)	1.58
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.35 ft
Luminous Width (90-270)	1.10 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12784	17818	14386
55	9097	18687	17400
65	6340	16390	20170
75	4141	12580	18636
85	1972	6381	9978

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CANDELA TABULATION

	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>10.0</u>	<u>15.0</u>	<u>20.0</u>	<u>25.0</u>	<u>30.0</u>	<u>35.0</u>	<u>40.0</u>
0.0	325.056	325.056	325.056	325.056	325.056	325.056	325.056	325.056	325.056	325.056
2.5	334.616	335.352	334.616	336.822	336.455	336.087	335.352	333.881	333.145	332.778
5.0	348.589	348.589	348.589	350.060	349.692	348.957	347.854	346.383	344.912	343.809
7.5	354.472	354.472	354.472	355.576	354.840	353.737	352.634	352.634	352.634	352.266
10.0	366.607	366.607	366.239	366.239	364.768	363.665	362.562	362.194	361.091	360.356
12.5	381.683	382.418	381.315	380.948	379.477	379.109	377.638	376.535	374.696	372.858
15.0	395.656	396.391	395.288	393.817	392.347	391.611	390.508	391.243	390.508	387.199
17.5	407.423	408.158	407.055	404.849	401.907	400.068	399.701	401.172	400.804	399.333
20.0	430.221	429.853	427.647	424.705	421.396	416.615	412.938	410.732	408.526	407.055
22.5	454.490	454.490	451.916	447.871	443.091	438.678	434.266	426.544	420.293	415.145
25.0	473.243	473.610	470.669	466.256	461.108	454.857	449.709	442.355	436.104	426.176
27.5	489.054	489.054	486.480	480.965	473.978	468.830	462.211	454.857	447.135	441.620
30.0	497.512	496.776	493.835	490.525	483.539	478.391	470.669	464.785	459.270	451.548
32.5	493.467	493.467	491.261	488.319	485.745	482.068	476.920	472.140	467.359	459.270
35.0	480.597	479.862	477.655	476.920	476.552	476.920	475.449	475.817	471.404	465.153
37.5	460.005	458.902	457.064	458.167	459.270	461.844	466.992	470.669	472.140	467.359
40.0	423.602	423.234	424.337	426.544	432.059	439.413	451.548	462.579	469.566	468.830
42.5	378.006	379.477	380.212	384.257	396.391	407.055	428.382	448.974	461.108	464.785
45.0	328.733	331.674	334.248	341.235	353.737	369.181	396.759	426.176	447.135	457.799
47.5	286.814	288.285	291.226	298.948	311.818	330.939	361.091	396.024	424.705	444.929
50.0	252.249	253.720	254.455	262.177	276.150	296.007	327.630	362.562	396.391	425.073
52.5	218.787	220.258	220.994	229.451	243.056	263.648	295.639	331.307	366.607	398.598
55.0	189.738	191.945	192.680	200.034	213.640	233.128	266.222	302.625	335.719	366.975
57.5	164.366	165.837	166.573	172.824	185.326	205.550	235.702	271.738	303.361	333.145
60.0	141.201	141.568	141.936	147.819	159.218	178.339	207.021	239.747	268.796	296.007
62.5	118.770	118.770	119.873	125.757	134.950	155.174	179.810	208.492	234.599	261.074
65.0	97.443	97.443	98.546	105.533	113.990	132.376	154.070	178.339	201.137	225.406
67.5	79.425	79.058	79.793	86.412	94.869	110.681	129.434	151.864	171.353	191.945
70.0	63.614	63.246	64.349	69.497	76.116	90.457	107.004	124.654	143.039	160.322
72.5	50.376	50.009	50.744	55.156	61.408	72.439	86.044	102.223	116.564	130.537
75.0	38.977	38.610	38.977	42.654	47.435	56.260	68.026	79.793	91.560	102.959
77.5	28.681	28.314	28.681	31.623	34.932	41.919	51.112	59.569	68.394	78.322
80.0	19.856	19.489	19.856	21.695	24.269	29.049	35.668	41.919	48.170	55.156
82.5	12.134	12.134	12.134	13.605	15.076	18.018	22.063	26.475	30.152	34.565
85.0	6.251	5.883	5.883	6.619	7.722	9.193	11.399	13.238	15.444	17.650
87.5	1.839	1.839	1.839	2.206	2.206	2.574	3.309	4.045	4.780	5.516
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>45.0</u>	<u>50.0</u>	<u>55.0</u>	<u>60.0</u>	<u>65.0</u>	<u>70.0</u>	<u>75.0</u>	<u>80.0</u>	<u>85.0</u>	<u>90.0</u>
0.0	325.056	325.056	325.056	325.056	325.056	325.056	325.056	325.056	325.056	325.056
2.5	333.145	332.042	330.204	329.100	329.100	328.733	327.262	326.526	325.423	324.320
5.0	343.441	341.603	339.029	336.822	335.719	334.984	332.410	330.571	328.733	326.526
7.5	352.634	351.531	350.060	347.486	346.015	344.544	341.603	338.661	336.087	332.410
10.0	359.620	359.620	358.517	357.414	356.311	354.472	351.898	348.589	344.177	339.764
12.5	371.755	371.019	369.916	368.445	366.239	364.401	361.091	357.414	351.531	346.015
15.0	384.257	382.418	379.844	376.903	374.329	372.123	368.813	364.768	358.150	351.163
17.5	396.024	393.082	390.140	385.728	382.786	380.212	376.535	372.123	363.665	355.208
20.0	404.481	401.539	400.804	397.495	391.979	387.199	382.418	376.903	367.342	357.782
22.5	410.364	408.894	408.158	404.113	397.495	392.714	388.302	382.051	373.593	361.459
25.0	418.822	413.674	412.203	409.997	404.481	398.598	393.450	386.463	378.006	365.871
27.5	432.059	420.293	417.719	414.041	409.629	402.275	396.759	389.773	379.844	366.607
30.0	443.091	431.692	422.866	418.454	414.777	408.894	400.436	393.082	381.683	366.607

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CANDELA TABULATION - (Cont.)

32.5	451.548	441.252	431.324	422.866	419.189	413.306	405.952	397.127	383.522	367.710
35.0	456.696	447.871	436.839	429.485	425.440	419.925	409.997	399.333	386.463	369.549
37.5	460.005	450.445	442.355	434.266	429.853	425.073	416.248	404.113	389.405	369.916
40.0	461.476	452.651	444.561	438.310	434.266	429.118	419.925	405.216	388.669	368.445
42.5	461.844	452.651	443.458	439.413	432.795	429.853	423.234	408.894	391.611	369.916
45.0	458.167	450.077	441.252	435.736	433.898	432.059	426.544	412.571	394.185	369.916
47.5	450.077	444.561	435.001	431.324	432.795	432.427	427.279	414.409	394.553	369.181
50.0	436.472	434.633	427.647	427.279	429.118	431.324	430.221	418.086	396.024	369.181
52.5	416.983	421.028	420.660	421.028	425.073	428.014	429.118	417.351	394.921	366.239
55.0	389.773	402.275	410.364	415.145	418.454	423.602	425.073	415.880	394.553	362.930
57.5	357.782	379.109	392.714	400.436	406.320	411.835	414.777	406.320	385.728	354.472
60.0	322.849	350.060	368.078	379.477	387.934	396.024	399.701	391.979	372.123	343.073
62.5	287.917	318.069	340.499	355.943	369.181	377.270	382.418	376.167	357.414	328.365
65.0	251.881	283.872	307.773	326.894	344.177	353.369	362.562	357.782	340.499	309.980
67.5	218.052	246.733	272.841	293.065	314.024	325.423	334.248	332.410	315.495	288.285
70.0	183.855	208.124	233.128	255.926	277.989	289.755	300.051	297.110	282.401	257.397
72.5	150.026	170.985	194.519	216.949	237.173	248.940	257.397	252.617	239.379	219.155
75.0	118.403	136.053	158.851	176.501	193.783	202.976	209.227	204.079	191.945	175.398
77.5	89.354	103.327	122.080	136.420	150.026	154.806	159.586	153.703	143.775	131.272
80.0	63.246	73.174	87.515	97.443	107.371	109.210	112.152	107.739	100.385	92.295
82.5	39.713	47.435	56.260	62.511	68.762	73.174	72.071	68.394	65.452	59.201
85.0	20.224	24.637	29.049	32.358	36.036	38.610	37.874	35.668	35.300	31.623
87.5	6.251	7.722	9.560	10.296	11.767	13.238	12.870	11.767	12.134	11.031
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>95.0</u>	<u>100.0</u>	<u>105.0</u>	<u>110.0</u>	<u>115.0</u>	<u>120.0</u>	<u>125.0</u>	<u>130.0</u>	<u>135.0</u>	<u>140.0</u>
0.0	325.056	325.056	325.056	325.056	325.056	325.056	325.056	325.056	325.056	325.056
2.5	323.217	322.114	321.379	319.908	318.805	318.069	318.069	317.701	316.966	316.598
5.0	324.320	322.114	319.908	316.966	314.760	312.921	311.818	311.083	309.244	307.773
7.5	329.100	325.423	321.379	318.069	314.392	311.818	309.612	306.302	303.361	300.787
10.0	335.352	330.204	325.056	320.643	315.495	311.083	307.038	301.890	297.477	292.697
12.5	340.132	334.248	328.733	322.482	316.598	310.715	304.464	296.742	290.123	283.504
15.0	343.441	336.087	328.365	322.114	315.495	307.773	298.948	290.123	282.401	273.576
17.5	346.015	337.190	328.365	319.172	310.347	301.154	290.859	281.298	271.002	259.971
20.0	346.751	337.925	328.365	316.966	306.302	295.271	282.401	268.428	255.191	240.482
22.5	348.589	337.925	326.894	314.024	301.154	287.182	271.002	253.352	234.967	216.949
25.0	351.898	339.396	325.423	311.083	294.903	277.253	256.662	234.967	213.640	193.048
27.5	352.634	338.661	322.482	306.302	287.917	265.487	240.850	216.213	193.415	172.456
30.0	351.163	336.822	318.805	298.948	278.356	252.617	224.671	197.093	174.295	156.277
32.5	351.531	333.881	315.495	294.168	268.061	237.908	207.388	179.810	159.218	145.245
35.0	350.428	331.307	311.083	286.078	257.029	223.568	190.841	164.366	146.349	136.053
37.5	349.692	329.468	305.567	277.253	243.792	208.124	173.927	149.290	135.685	128.698
40.0	347.486	325.423	298.948	267.693	231.657	191.577	158.115	134.950	124.286	120.609
42.5	347.118	321.746	293.433	257.029	217.317	175.398	142.671	122.447	114.358	112.887
45.0	344.544	318.069	286.078	245.630	201.873	158.115	128.331	110.681	104.430	105.165
47.5	340.132	312.186	277.989	235.334	188.268	143.775	114.726	100.017	95.605	97.443
50.0	338.661	308.509	271.002	225.406	175.398	131.272	103.694	90.824	87.147	89.354
52.5	334.616	302.625	262.913	215.846	164.366	120.241	93.766	80.896	77.587	80.896
55.0	330.204	295.271	254.455	205.550	154.438	111.048	84.941	72.807	70.233	72.071
57.5	320.275	284.608	243.792	193.783	143.039	101.488	76.851	65.452	62.511	62.511
60.0	308.509	271.370	229.451	180.546	131.272	92.295	69.129	58.834	54.789	53.686
62.5	294.168	257.029	215.110	166.940	119.506	83.838	62.511	52.215	47.802	46.331
65.0	278.724	240.850	199.299	152.600	108.474	76.116	55.524	45.964	41.551	39.713
67.5	256.662	221.361	181.649	138.259	96.708	67.291	48.538	39.713	35.300	32.726

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CANDELA TABULATION - (Cont.)

70.0	228.716	196.725	161.425	120.977	84.206	57.730	41.184	33.094	27.946	23.533
72.5	194.151	167.308	137.156	102.591	70.600	47.435	32.358	24.637	18.753	12.870
75.0	155.909	134.214	110.681	82.735	55.892	34.565	19.856	14.341	6.619	2.574
77.5	116.196	102.959	84.941	62.511	38.610	15.444	7.722	2.574	0.735	0.368
80.0	81.999	73.174	60.304	38.977	8.457	2.942	1.103	0.368	0.368	0.000
82.5	52.950	47.067	38.610	16.547	2.574	0.735	0.368	0.368	0.368	0.000
85.0	28.314	25.372	18.753	3.677	0.735	0.368	0.368	0.368	0.000	0.000
87.5	10.664	8.825	2.574	0.368	0.368	0.000	0.000	0.000	0.000	0.000
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
Angles

	<u>145.0</u>	<u>150.0</u>	<u>155.0</u>	<u>160.0</u>	<u>165.0</u>	<u>170.0</u>	<u>175.0</u>	<u>180.0</u>
0.0	325.056	325.056	325.056	325.056	325.056	325.056	325.056	325.056
2.5	316.231	316.598	315.863	316.231	316.966	316.231	315.127	314.024
5.0	307.038	306.302	304.832	305.199	305.935	304.832	304.464	303.361
7.5	298.581	296.742	293.800	293.065	293.065	292.697	291.962	292.329
10.0	288.652	285.711	281.666	277.989	276.518	275.415	274.312	275.047
12.5	277.621	272.841	266.590	261.810	258.868	255.558	255.926	256.662
15.0	263.648	255.558	247.469	239.379	235.334	230.922	231.290	232.025
17.5	246.366	234.231	223.935	213.272	206.653	200.402	199.667	200.402
20.0	224.303	209.227	195.254	184.590	176.869	170.250	168.043	168.043
22.5	197.828	183.120	170.985	159.954	153.703	149.290	146.349	145.613
25.0	173.559	161.425	151.497	144.510	140.098	137.891	136.420	136.053
27.5	156.644	147.819	141.201	136.788	134.214	133.479	133.479	133.111
30.0	145.981	139.730	135.685	133.479	133.846	134.214	135.317	134.582
32.5	137.891	134.950	133.846	134.950	137.156	138.627	140.098	140.098
35.0	131.272	131.640	133.111	136.053	138.627	141.568	144.142	144.510
37.5	126.860	128.698	131.640	134.950	137.891	140.833	143.407	143.775
40.0	121.712	124.286	128.331	132.376	136.053	139.730	142.671	142.671
42.5	115.093	119.138	125.389	130.537	135.317	138.994	141.568	142.304
45.0	109.578	115.093	121.712	125.757	130.169	134.214	136.788	137.891
47.5	103.327	108.474	113.622	118.035	120.609	124.286	125.389	126.125
50.0	95.605	99.282	102.591	105.533	106.268	109.210	109.578	109.578
52.5	84.941	87.883	90.089	90.824	91.192	92.295	92.663	91.927
55.0	74.277	76.116	76.851	76.851	76.484	77.587	78.322	76.851
57.5	62.878	63.614	64.349	64.349	64.717	65.085	65.452	65.085
60.0	54.053	53.686	54.789	54.789	55.156	55.524	55.156	55.156
62.5	45.964	45.964	45.964	45.596	44.861	44.861	44.861	44.861
65.0	38.977	37.874	35.668	33.829	33.462	31.991	31.991	31.991
67.5	30.152	27.211	23.533	20.224	16.179	9.560	7.722	7.354
70.0	19.121	13.605	6.619	4.045	2.942	1.839	1.839	1.839
72.5	5.883	2.574	1.471	1.103	0.735	0.735	0.735	0.735
75.0	1.103	0.735	0.368	0.368	0.368	0.368	0.368	0.368
77.5	0.368	0.368	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : VWPX-L60-840-T3-XXX-SDGL-EM10WC-DIM-UNV_EMER MODE ONLY.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	124.95	N.A.	10.60
0-30	276.02	N.A.	23.40
0-40	477.98	N.A.	40.50
0-60	912.28	N.A.	77.30
0-80	1162.28	N.A.	98.50
0-90	1180.01	N.A.	100.00
10-90	1148.78	N.A.	97.40
20-40	353.03	N.A.	29.90
20-50	577.23	N.A.	48.90
40-70	597.78	N.A.	50.70
60-80	250.00	N.A.	21.20
70-80	86.52	N.A.	7.30
80-90	17.74	N.A.	1.50
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1180.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	31.24
10-20	93.71
20-30	151.07
30-40	201.96
40-50	224.20
50-60	210.11
60-70	163.47
70-80	86.52
80-90	17.74
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT

PHOTOMETRIC FILENAME : VWPX-L60-840-T3-XXX-SDGL-EM10WC-DIM-UNV_EMER MODE ONLY.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	95	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	78	70	63	87	76	69	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	51	62	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	68	55	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	41	34	29	40	34	29	27
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	31	26	24
10	51	38	29	24	50	37	29	24	36	29	24	35	28	24	34	28	24	22

IES INDOOR REPORT

PHOTOMETRIC FILENAME : VWPX-L60-840-T3-XXX-SDGL-EM10WC-DIM-UNV_EMER MODE ONLY.IES

UGR TABLE - CORRECTED

Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	20.2	21.9	20.6	22.2	22.6	23.7	25.4	24.1	25.7	26.1
	3H	21.1	22.6	21.5	23.0	23.3	26.5	28.0	26.9	28.3	28.7
	4H	21.3	22.8	21.7	23.1	23.5	27.4	28.8	27.8	29.2	29.6
	6H	21.4	22.8	21.9	23.2	23.5	27.9	29.3	28.3	29.6	30.0
	8H	21.5	22.8	21.9	23.1	23.5	28.1	29.3	28.5	29.7	30.1
	12H	21.5	22.7	21.9	23.1	23.5	28.1	29.4	28.6	29.7	30.2

UGR Viewed Endwise

4H	2H	22.1	23.5	22.5	23.9	24.2	24.0	25.5	24.4	25.8	26.2
	3H	23.2	24.4	23.6	24.8	25.2	27.0	28.2	27.4	28.6	29.0
	4H	23.5	24.6	23.9	25.0	25.4	28.0	29.1	28.5	29.5	30.0
	6H	23.6	24.6	24.1	25.0	25.5	28.7	29.7	29.2	30.1	30.6
	8H	23.7	24.6	24.1	25.0	25.5	28.9	29.8	29.4	30.3	30.7
	12H	23.7	24.5	24.1	25.0	25.4	29.0	29.9	29.5	30.3	30.8

8H	4H	24.5	25.4	24.9	25.8	26.3	28.1	29.0	28.5	29.4	29.9
	6H	24.7	25.5	25.2	26.0	26.4	28.9	29.6	29.4	30.1	30.6
	8H	24.8	25.4	25.3	25.9	26.4	29.1	29.8	29.7	30.3	30.8
	12H	24.8	25.4	25.3	25.9	26.4	29.3	29.9	29.8	30.4	31.0

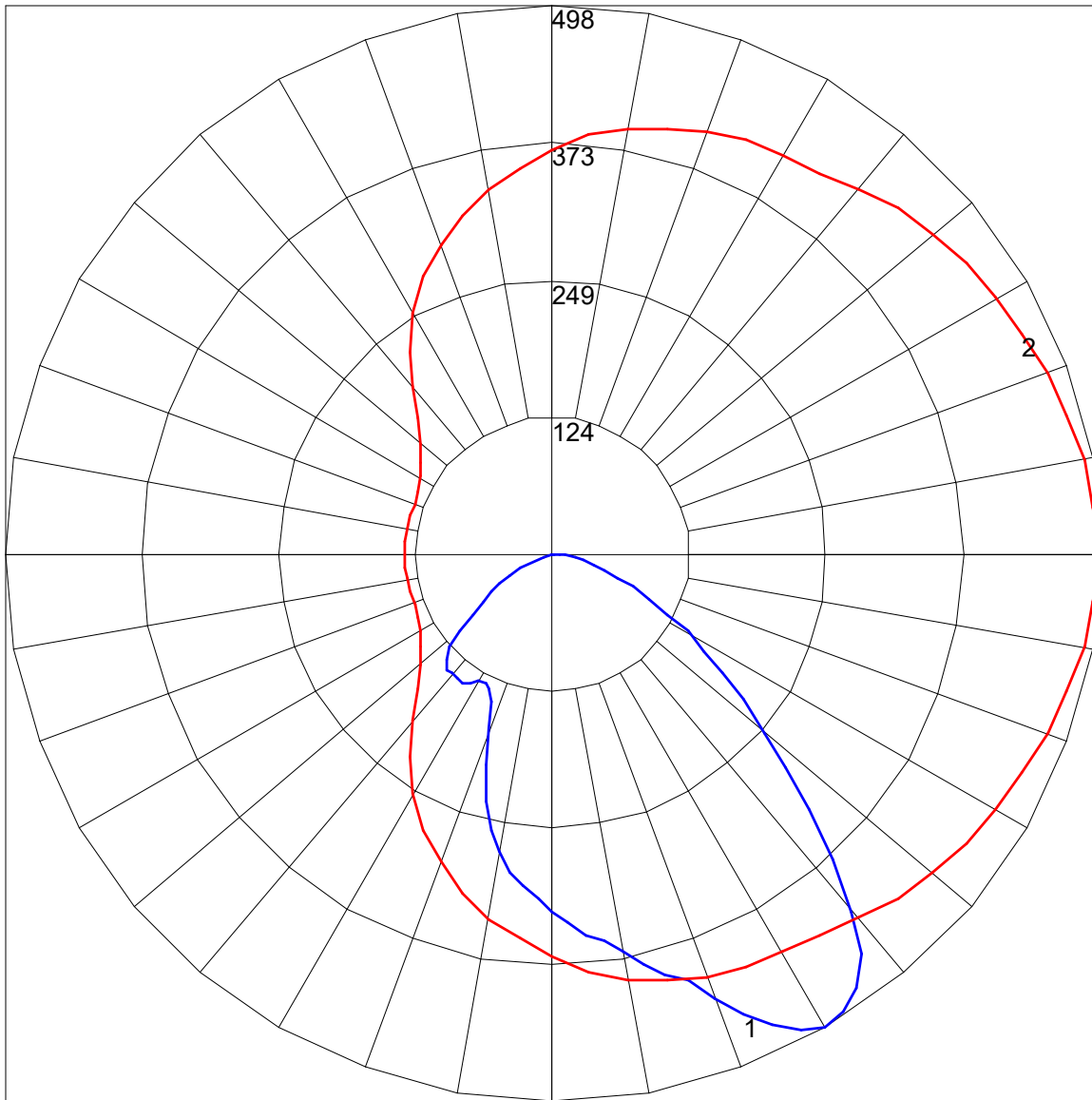
12H	4H	24.7	25.5	25.1	25.9	26.4	28.1	28.9	28.5	29.4	29.8
	6H	25.0	25.6	25.5	26.1	26.6	28.9	29.6	29.4	30.0	30.5
	8H	25.1	25.6	25.6	26.1	26.7	29.2	29.8	29.7	30.2	30.8

Maximum UGR = 31.0

IES INDOOR REPORT

PHOTOMETRIC FILENAME : VWPX-L60-840-T3-XXX-SDGL-EM10WC-DIM-UNV_EMER MODE ONLY.IES

POLAR GRAPH



Maximum Candela = 497.512 Located At Horizontal Angle = 0, Vertical Angle = 30

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)