

IES INDOOR REPORT

PHOTOMETRIC FILENAME : VWPX-L30-830-TFT-XXX-CGL-EM4W-DIM-UNV_EMER MODE ONLY.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM ATAL009828
[TESTLAB] ATAL-LABS
[ISSUE DATE] 2026-05-05
[TEST DATE] 07/14/15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] VWPx-L30-830-TFT-xxx-CGL-EM/4W-DIM-UNV
[LUMINAIRE] CAST ALUMINUM LED WALL PACK
[MORE] FORWARD THROW DISTRIBUTION WITH
[MORE] CLEAR GLASS LENS
[LAMPCAT] X8-LUXEON M
[LAMP] (8) LEDS
[_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	424
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	2.42
Spacing Criterion (90-270)	2.34
Spacing Criterion (Diagonal)	2.70
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	3777	3395	3524
55	4988	5318	4768
65	7122	9634	6961
75	3970	7717	4135
85	269	1345	416

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CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0.0	53.644	53.644	53.644	53.644	53.644	53.644	53.644	53.644	53.644	53.644
2.5	54.264	54.109	54.031	53.876	53.721	53.644	53.644	53.721	53.566	53.489
5.0	54.186	53.954	53.799	53.721	53.644	53.644	53.566	53.644	53.489	53.489
7.5	54.186	53.954	53.721	53.721	53.644	53.644	53.566	53.489	53.334	53.256
10.0	54.419	54.109	53.876	53.954	53.799	53.799	53.721	53.644	53.411	53.256
12.5	55.117	54.729	54.574	54.652	54.497	54.419	54.342	54.109	53.799	53.566
15.0	56.124	55.582	55.504	55.814	55.814	55.659	55.582	55.349	54.962	54.574
17.5	57.442	56.822	56.435	56.822	56.900	56.977	57.132	56.977	56.512	56.124
20.0	59.613	59.070	58.450	58.528	58.373	58.605	58.760	58.838	58.450	58.062
22.5	62.404	61.861	61.086	60.931	60.543	60.698	60.776	60.853	60.621	60.311
25.0	65.427	65.039	64.032	63.721	63.179	63.256	63.101	63.256	62.946	62.791
27.5	68.528	67.908	66.900	66.590	65.892	65.970	65.504	65.504	65.427	65.659
30.0	72.249	71.784	70.466	69.846	69.070	68.760	67.985	68.063	67.908	67.985
32.5	76.435	75.660	74.652	73.799	72.791	71.939	70.931	70.776	70.311	70.078
35.0	80.931	80.311	79.225	78.295	76.900	75.815	74.497	73.799	73.101	72.326
37.5	85.117	84.652	83.567	82.791	81.241	79.923	78.373	76.822	75.892	75.039
40.0	89.148	88.838	87.675	86.977	85.505	84.032	82.326	80.621	79.380	78.218
42.5	93.334	92.946	91.861	91.008	89.613	87.985	86.357	84.807	83.412	82.404
45.0	97.133	96.822	96.047	95.195	93.799	92.094	90.543	88.993	87.985	87.288
47.5	100.698	100.388	100.001	99.458	98.140	96.202	94.807	93.257	92.636	92.559
50.0	102.714	102.792	102.947	103.257	102.636	100.698	99.691	98.450	97.908	98.140
52.5	103.179	103.644	104.885	106.280	106.745	105.427	105.117	104.419	103.877	104.187
55.0	104.032	104.574	106.745	109.303	110.931	110.621	110.854	111.241	110.854	110.931
57.5	108.063	109.071	111.009	114.342	116.668	117.365	118.063	119.536	119.691	119.226
60.0	112.792	114.032	116.280	120.389	123.489	125.427	126.823	130.079	131.706	131.164
62.5	113.412	114.807	117.598	121.706	124.342	127.598	131.086	138.528	142.637	142.947
65.0	109.458	111.086	114.264	118.451	121.939	125.892	130.699	141.396	147.133	148.063
67.5	107.133	109.071	114.109	117.908	119.458	120.466	124.652	137.133	144.187	144.342
70.0	103.489	105.892	112.326	117.055	119.303	117.908	118.916	123.877	129.381	129.226
72.5	87.443	89.458	100.466	107.985	111.629	108.838	112.326	107.365	100.388	96.202
75.0	37.365	38.682	46.977	56.745	65.427	72.946	82.869	87.598	76.357	72.636
77.5	13.488	13.799	15.504	17.442	22.016	31.396	45.349	53.489	52.791	54.807
80.0	5.504	5.659	6.434	7.519	9.535	12.403	18.140	23.489	24.884	26.357
82.5	2.248	2.326	2.713	3.023	4.031	5.349	7.674	9.690	10.233	11.395
85.0	0.853	0.853	0.930	1.085	1.395	1.860	2.791	3.566	3.643	4.264
87.5	0.233	0.233	0.233	0.233	0.233	0.233	0.310	0.310	0.465	0.620
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>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	<u>95</u>
0.0	53.644	53.644	53.644	53.644	53.644	53.644	53.644	53.644	53.644	53.644
2.5	53.411	53.334	53.489	53.566	53.411	53.256	53.256	53.256	53.256	53.256
5.0	53.256	53.179	53.334	53.334	53.179	52.946	52.791	52.791	52.714	52.791
7.5	53.179	52.946	53.101	53.024	52.869	52.559	52.326	52.326	52.248	52.248
10.0	53.179	52.791	52.946	53.024	53.024	52.714	52.404	52.326	52.248	52.171
12.5	53.489	53.256	53.411	53.411	53.489	53.179	52.869	52.714	52.559	52.481
15.0	54.574	54.419	54.497	54.419	54.342	54.109	53.644	53.256	53.101	53.024
17.5	55.969	55.892	55.814	55.659	55.349	54.884	54.574	54.264	54.186	54.109
20.0	57.830	57.752	57.675	57.210	56.822	56.280	56.047	55.969	55.969	55.892
22.5	60.078	59.613	59.458	59.070	58.683	58.373	58.295	58.218	58.218	58.140
25.0	62.636	61.861	61.706	61.396	61.086	61.163	61.163	61.086	61.086	60.776
27.5	65.194	64.264	63.876	63.644	63.566	63.876	63.876	63.954	64.109	63.644
30.0	67.985	66.900	66.125	66.202	66.280	66.822	66.822	66.977	67.365	66.900

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CANDELA TABULATION - (Cont.)

32.5	70.388	69.846	68.683	68.838	69.070	69.768	70.156	70.543	71.008	70.388
35.0	72.636	72.714	71.706	71.939	72.481	73.334	73.877	74.574	75.194	74.497
37.5	75.039	75.582	75.349	75.737	76.512	77.598	78.295	79.070	79.225	78.993
40.0	78.140	79.070	79.380	80.156	80.853	81.861	82.946	83.722	83.722	83.567
42.5	81.939	82.946	83.412	84.497	85.350	86.125	87.132	87.753	87.520	87.598
45.0	86.512	87.210	87.830	88.838	89.691	90.388	90.931	90.931	90.621	90.776
47.5	91.784	91.861	92.016	93.179	93.954	95.040	95.272	94.807	94.342	94.729
50.0	97.675	97.288	96.900	97.675	98.450	99.613	99.381	98.373	97.753	98.295
52.5	104.032	103.334	102.481	103.024	103.334	103.644	102.171	100.388	99.846	100.621
55.0	110.931	110.621	109.071	108.606	107.985	106.978	103.567	100.388	99.458	100.388
57.5	119.768	119.303	116.668	115.427	113.334	111.086	106.047	102.481	101.706	102.016
60.0	131.551	130.854	126.513	123.644	120.466	116.668	110.699	107.210	106.512	106.590
62.5	142.249	139.769	132.172	126.358	122.327	117.133	110.931	107.365	106.512	106.668
65.0	146.668	142.327	132.559	125.195	121.164	116.125	110.931	107.598	106.978	106.668
67.5	144.342	139.148	127.986	122.714	121.784	118.140	113.179	107.675	106.435	106.357
70.0	132.249	127.675	122.327	122.482	124.885	122.327	115.272	106.357	104.187	104.574
72.5	100.156	110.233	118.218	116.047	118.528	114.264	103.567	91.008	88.295	90.466
75.0	77.985	91.474	89.846	81.318	68.760	60.776	47.752	38.682	38.915	38.605
77.5	53.954	54.729	48.295	36.124	23.023	20.310	17.054	14.729	15.039	14.729
80.0	25.659	24.419	19.302	14.496	10.620	9.535	7.830	6.822	6.744	6.434
82.5	10.698	10.543	8.682	6.667	5.116	4.186	3.488	3.023	3.101	3.101
85.0	4.109	4.264	3.566	2.791	2.093	1.783	1.473	1.395	1.318	1.318
87.5	0.775	1.008	0.775	0.698	0.620	0.543	0.465	0.388	0.388	0.388
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

	100	105	110	115	120	125	130	135	140	145
0.0	53.644	53.644	53.644	53.644	53.644	53.644	53.644	53.644	53.644	53.644
2.5	53.256	53.179	53.179	53.101	53.179	53.411	53.256	53.256	53.411	53.644
5.0	52.714	52.636	52.714	52.869	52.869	53.101	53.024	53.024	53.179	53.334
7.5	52.171	52.171	52.404	52.559	52.636	52.791	52.791	52.714	52.869	53.101
10.0	52.171	52.248	52.481	52.636	52.559	52.636	52.636	52.636	52.791	52.946
12.5	52.559	52.714	53.024	53.101	53.024	52.791	52.791	52.791	53.024	53.256
15.0	53.179	53.489	53.721	53.954	53.876	53.799	53.721	53.721	53.799	54.109
17.5	54.109	54.186	54.574	54.962	54.962	55.117	55.039	54.962	54.962	55.194
20.0	55.737	55.659	55.814	56.357	56.435	56.590	56.590	56.667	56.512	56.512
22.5	57.907	57.830	57.830	58.218	58.373	58.373	58.373	58.450	58.295	58.140
25.0	60.853	60.698	60.311	60.543	60.543	60.466	60.698	60.621	60.466	60.156
27.5	63.876	63.489	63.024	63.024	62.714	62.636	63.334	63.101	62.714	62.094
30.0	66.900	66.357	65.737	65.349	65.039	65.117	65.582	65.117	64.574	63.876
32.5	70.156	69.303	68.683	68.063	67.520	67.752	67.520	66.900	66.280	65.814
35.0	74.109	73.101	72.094	71.318	70.311	69.923	69.458	68.373	67.908	67.520
37.5	78.683	77.598	76.590	75.039	73.411	72.636	71.551	70.543	69.846	69.535
40.0	83.179	82.094	81.086	79.303	76.977	75.427	74.109	73.179	72.404	72.249
42.5	87.210	86.047	85.272	83.179	81.008	78.838	77.210	76.280	75.582	75.582
45.0	91.008	90.311	89.148	86.977	84.807	82.559	80.776	80.001	79.458	79.148
47.5	95.195	94.884	93.334	91.008	88.760	86.280	85.039	83.954	83.412	82.791
50.0	99.148	99.303	97.753	95.427	93.102	90.543	89.846	88.605	87.598	86.822
52.5	102.326	103.102	102.326	99.768	98.140	95.970	94.962	93.257	92.481	91.551
55.0	103.024	105.427	106.202	104.885	103.877	102.016	100.698	98.760	98.140	97.443
57.5	104.574	107.365	110.156	110.466	109.923	108.993	107.753	105.350	104.652	104.264
60.0	108.606	111.241	115.427	117.443	117.443	118.373	117.830	115.272	114.264	113.489
62.5	108.450	111.474	115.970	120.001	123.489	127.675	128.683	126.590	125.892	123.954
65.0	107.520	109.768	114.575	119.536	123.257	131.319	135.660	135.582	132.637	129.071
67.5	108.606	111.939	114.420	116.047	119.226	130.776	136.668	128.063	118.993	114.420

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CANDELA TABULATION - (Cont.)

70.0	108.528	114.420	116.668	115.737	115.040	121.474	106.900	98.063	106.357	64.342
72.5	99.536	110.233	116.047	112.792	114.807	83.799	74.032	52.016	9.690	1.783
75.0	48.140	60.621	73.877	77.210	70.388	58.373	13.411	1.318	0.310	0.233
77.5	17.209	19.845	24.109	28.837	33.489	0.930	0.310	0.233	0.155	0.155
80.0	7.674	8.682	8.217	6.667	2.558	0.155	0.155	0.078	0.078	0.078
82.5	3.333	3.333	2.171	0.930	0.155	0.078	0.078	0.078	0.078	0.078
85.0	1.395	0.775	0.388	0.078	0.078	0.078	0.078	0.000	0.000	0.000
87.5	0.310	0.078	0.078	0.078	0.078	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>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0.0	53.644	53.644	53.644	53.644	53.644	53.644	53.644
2.5	53.566	53.644	53.799	53.799	53.954	53.799	53.566
5.0	53.256	53.256	53.411	53.411	53.489	53.411	53.101
7.5	52.946	52.946	53.024	52.946	53.024	52.946	52.636
10.0	52.869	52.869	52.869	52.946	53.101	52.946	52.791
12.5	53.256	53.411	53.256	53.411	53.566	53.411	53.256
15.0	54.186	54.186	54.031	54.109	54.031	53.799	53.721
17.5	55.117	55.039	54.652	54.574	54.497	54.497	54.419
20.0	56.357	56.202	55.659	55.659	55.737	55.814	55.892
22.5	57.907	57.675	57.055	57.132	57.365	57.597	57.907
25.0	59.768	59.225	58.838	58.915	59.225	59.613	59.845
27.5	61.318	60.853	60.543	60.698	61.008	61.473	61.783
30.0	63.024	62.714	62.714	62.869	63.256	63.876	64.264
32.5	65.117	64.807	64.807	65.117	65.659	66.435	66.900
35.0	67.287	66.822	67.287	67.752	68.528	69.380	70.001
37.5	69.458	69.690	70.466	71.163	71.939	73.024	73.877
40.0	72.326	73.024	73.722	74.652	75.737	76.977	77.830
42.5	75.737	76.512	77.365	78.218	79.303	80.698	81.629
45.0	79.303	80.001	80.853	81.706	82.791	84.264	85.039
47.5	82.869	83.256	84.342	85.117	86.202	87.675	88.218
50.0	86.822	87.055	88.063	88.838	89.846	91.164	91.474
52.5	91.474	91.474	92.094	92.714	93.024	93.877	93.954
55.0	96.900	96.435	96.512	96.590	95.970	95.815	95.505
57.5	103.334	102.636	102.016	100.776	98.373	96.978	96.357
60.0	112.404	110.854	108.683	105.427	101.396	100.156	99.691
62.5	120.078	115.505	111.319	106.978	103.024	101.784	101.086
65.0	121.474	115.582	110.388	104.419	95.582	83.877	83.799
67.5	113.334	88.760	58.450	32.248	16.202	9.380	6.977
70.0	22.093	11.085	1.318	0.465	0.310	0.310	0.310
72.5	0.465	0.310	0.233	0.233	0.233	0.233	0.155
75.0	0.233	0.155	0.155	0.155	0.078	0.078	0.078
77.5	0.078	0.078	0.078	0.078	0.078	0.000	0.000
80.0	0.078	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
85.0	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
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : VWPX-L30-830-TFT-XXX-CGL-EM4W-DIM-UNV_EMER MODE ONLY.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	20.58	N.A.	4.90
0-30	49.15	N.A.	11.60
0-40	94.92	N.A.	22.40
0-60	257.05	N.A.	60.60
0-80	421.49	N.A.	99.40
0-90	424.02	N.A.	100.00
10-90	418.95	N.A.	98.80
20-40	74.34	N.A.	17.50
20-50	142.28	N.A.	33.60
40-70	275.10	N.A.	64.90
60-80	164.44	N.A.	38.80
70-80	51.47	N.A.	12.10
80-90	2.53	N.A.	0.60
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	424.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	5.07
10-20	15.51
20-30	28.57
30-40	45.77
40-50	67.94
50-60	94.18
60-70	112.97
70-80	51.47
80-90	2.53
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

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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	106	101	96	91	104	98	94	89	94	90	87	90	87	84	86	84	81	79
2	94	84	75	68	91	82	74	68	78	72	66	75	69	64	71	67	63	60
3	83	70	60	53	81	69	59	52	66	58	51	63	56	50	60	54	49	47
4	75	60	49	41	72	59	49	41	56	47	40	53	46	40	51	45	39	37
5	67	52	41	33	65	51	41	33	48	40	33	46	38	32	44	37	32	29
6	61	46	35	28	59	44	35	27	43	34	27	41	33	27	39	32	26	24
7	56	40	30	23	54	39	30	23	38	29	23	36	28	23	35	28	22	20
8	52	36	26	20	50	35	26	20	34	26	20	33	25	19	31	24	19	17
9	48	33	23	17	46	32	23	17	31	23	17	30	22	17	29	22	17	15
10	45	30	21	15	43	29	21	15	28	20	15	27	20	15	26	20	15	13

IES INDOOR REPORT

PHOTOMETRIC FILENAME : VWPX-L30-830-TFT-XXX-CGL-EM4W-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	19.8	21.7	20.2	22.0	22.4	19.5	21.4	19.9	21.7	22.1
	3H	23.3	25.1	23.7	25.4	25.8	23.2	24.9	23.5	25.3	25.6
	4H	24.0	25.6	24.4	26.0	26.3	23.8	25.5	24.2	25.9	26.2
	6H	24.0	25.5	24.4	25.9	26.3	23.9	25.4	24.3	25.8	26.2
	8H	24.0	25.4	24.4	25.8	26.2	23.8	25.3	24.3	25.7	26.1
	12H	23.9	25.4	24.4	25.8	26.2	23.8	25.3	24.2	25.6	26.1

UGR Viewed Endwise

4H	2H	21.6	23.3	22.0	23.6	24.0	21.3	23.0	21.7	23.3	23.7
	3H	25.0	26.4	25.4	26.8	27.2	24.9	26.3	25.3	26.7	27.1
	4H	25.7	27.0	26.1	27.4	27.8	25.6	26.9	26.1	27.4	27.8
	6H	25.7	26.9	26.2	27.3	27.7	25.7	26.8	26.1	27.3	27.7
	8H	25.7	26.8	26.2	27.2	27.7	25.7	26.7	26.1	27.2	27.6
	12H	25.7	26.7	26.2	27.2	27.6	25.7	26.7	26.2	27.1	27.6

8H	4H	26.2	27.2	26.6	27.7	28.1	25.9	27.0	26.3	27.4	27.9
	6H	26.3	27.2	26.8	27.6	28.1	26.0	26.9	26.5	27.3	27.8
	8H	26.3	27.0	26.8	27.5	28.0	26.0	26.8	26.5	27.3	27.7
	12H	26.3	27.0	26.8	27.4	28.0	26.0	26.7	26.5	27.2	27.7

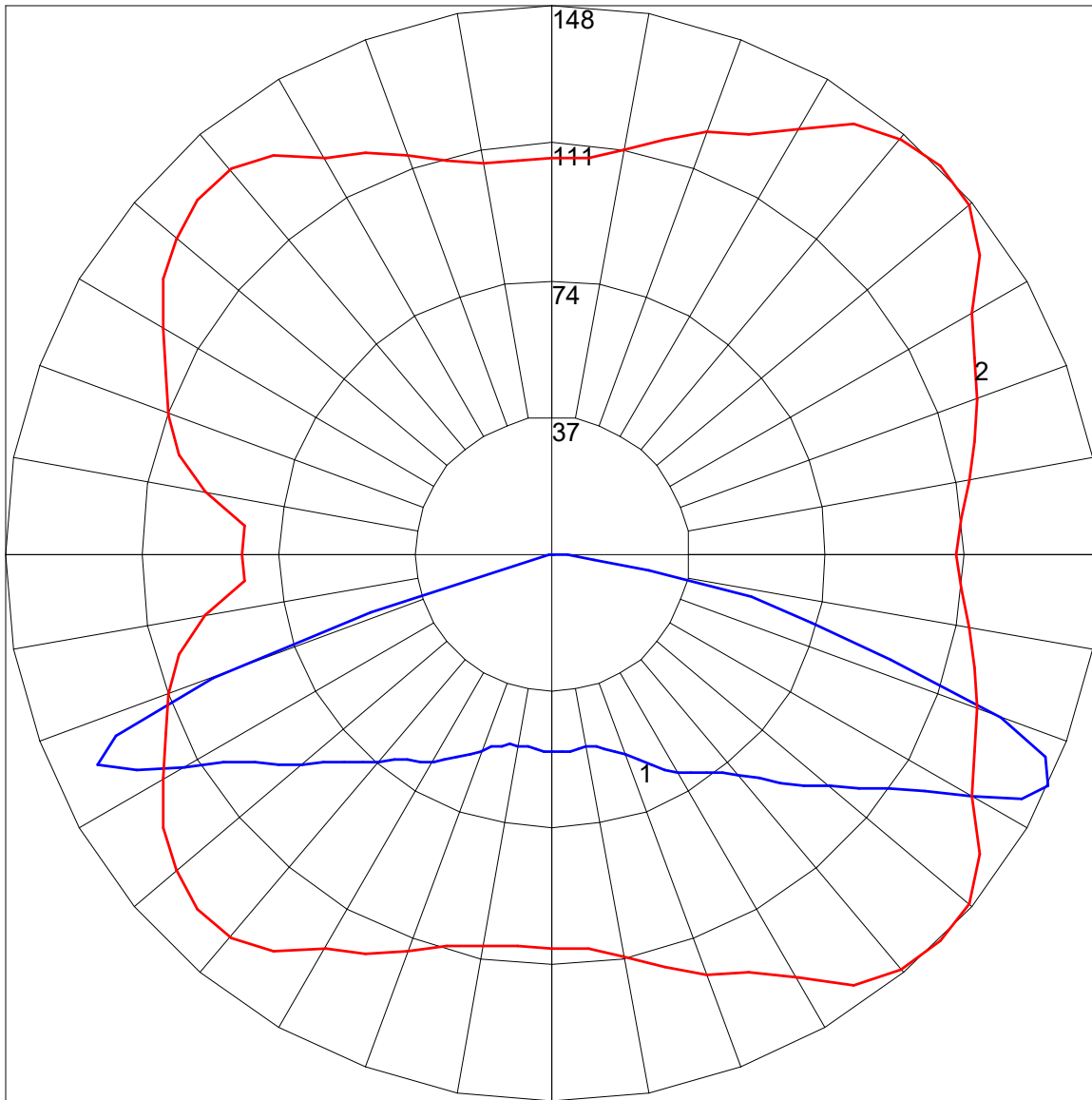
12H	4H	26.2	27.2	26.7	27.6	28.1	25.9	26.9	26.4	27.3	27.8
	6H	26.3	27.1	26.8	27.5	28.1	26.0	26.8	26.5	27.2	27.8
	8H	26.3	27.0	26.8	27.5	28.0	26.0	26.7	26.5	27.2	27.7

Maximum UGR = 28.1

IES INDOOR REPORT

PHOTOMETRIC FILENAME : VWPX-L30-830-TFT-XXX-CGL-EM4W-DIM-UNV_EMER MODE ONLY.IES

POLAR GRAPH



Maximum Candela = 148.063 Located At Horizontal Angle = 45, Vertical Angle = 65

1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)