



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : VWPX-L30-730-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] 2024-02-01  
 [TEST DATE] 07-19-2024  
 [MANUFAC] H.E. WILLIAMS, INC.  
 [LUMCAT] VWPX-L30-730-TFT-xxx-CGL-EM4W-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\_SOURCETYPE] LED  
 [\_SEARCH\_APPLICATION] Outdoor  
 [\_SEARCH\_MOUNTING] Wall

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	468
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
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	4169	3747	3890
55	5505	5870	5263
65	7861	10633	7683
75	4382	8518	4563
85	297	1485	459

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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	59.206	59.206	59.206	59.206	59.206	59.206	59.206	59.206	59.206	59.206
2.5	59.890	59.719	59.634	59.463	59.291	59.206	59.206	59.291	59.120	59.035
5.0	59.805	59.548	59.377	59.291	59.206	59.206	59.120	59.206	59.035	59.035
7.5	59.805	59.548	59.291	59.291	59.206	59.206	59.120	59.035	58.864	58.778
10.0	60.061	59.719	59.463	59.548	59.377	59.377	59.291	59.206	58.949	58.778
12.5	60.831	60.404	60.233	60.318	60.147	60.061	59.976	59.719	59.377	59.120
15.0	61.944	61.345	61.259	61.601	61.601	61.430	61.345	61.088	60.660	60.233
17.5	63.398	62.714	62.286	62.714	62.799	62.885	63.056	62.885	62.371	61.944
20.0	65.794	65.195	64.510	64.596	64.425	64.682	64.853	64.938	64.510	64.083
22.5	68.874	68.275	67.419	67.248	66.820	66.992	67.077	67.163	66.906	66.564
25.0	72.211	71.783	70.671	70.328	69.729	69.815	69.644	69.815	69.473	69.302
27.5	75.633	74.948	73.836	73.494	72.724	72.810	72.296	72.296	72.211	72.467
30.0	79.740	79.226	77.772	77.087	76.232	75.890	75.034	75.120	74.948	75.034
32.5	84.360	83.504	82.392	81.451	80.339	79.397	78.285	78.114	77.601	77.344
35.0	89.322	88.638	87.440	86.413	84.873	83.675	82.221	81.451	80.681	79.825
37.5	93.942	93.429	92.231	91.376	89.664	88.210	86.499	84.788	83.761	82.820
40.0	98.391	98.049	96.766	95.996	94.370	92.744	90.862	88.980	87.611	86.328
42.5	103.011	102.584	101.386	100.445	98.905	97.108	95.311	93.600	92.060	90.948
45.0	107.204	106.861	106.006	105.065	103.525	101.642	99.931	98.220	97.108	96.338
47.5	111.139	110.797	110.369	109.770	108.316	106.177	104.637	102.926	102.241	102.156
50.0	113.364	113.449	113.620	113.963	113.278	111.139	110.027	108.658	108.059	108.316
52.5	113.877	114.390	115.759	117.299	117.813	116.358	116.016	115.246	114.647	114.989
55.0	114.818	115.417	117.813	120.636	122.433	122.091	122.347	122.775	122.347	122.433
57.5	119.267	120.380	122.518	126.197	128.764	129.534	130.304	131.930	132.101	131.588
60.0	124.486	125.855	128.336	132.871	136.293	138.432	139.972	143.566	145.362	144.763
62.5	125.171	126.711	129.791	134.325	137.234	140.828	144.678	152.891	157.426	157.768
65.0	120.807	122.604	126.112	130.732	134.582	138.946	144.250	156.057	162.388	163.415
67.5	118.241	120.380	125.941	130.133	131.844	132.956	137.577	151.351	159.137	159.308
70.0	114.219	116.872	123.973	129.192	131.673	130.133	131.245	136.721	142.796	142.624
72.5	96.509	98.733	110.883	119.182	123.203	120.123	123.973	118.497	110.797	106.177
75.0	41.239	42.693	51.848	62.628	72.211	80.510	91.461	96.680	84.274	80.167
77.5	14.887	15.229	17.112	19.250	24.298	34.651	50.051	59.035	58.265	60.489
80.0	6.075	6.246	7.101	8.299	10.524	13.689	20.020	25.924	27.464	29.090
82.5	2.481	2.567	2.995	3.337	4.449	5.903	8.470	10.695	11.294	12.577
85.0	0.941	0.941	1.027	1.198	1.540	2.053	3.080	3.936	4.021	4.706
87.5	0.257	0.257	0.257	0.257	0.257	0.257	0.342	0.342	0.513	0.684
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	59.206	59.206	59.206	59.206	59.206	59.206	59.206	59.206	59.206	59.206
2.5	58.949	58.864	59.035	59.120	58.949	58.778	58.778	58.778	58.778	58.778
5.0	58.778	58.693	58.864	58.864	58.693	58.436	58.265	58.265	58.179	58.265
7.5	58.693	58.436	58.607	58.521	58.350	58.008	57.751	57.751	57.666	57.666
10.0	58.693	58.265	58.436	58.521	58.521	58.179	57.837	57.751	57.666	57.580
12.5	59.035	58.778	58.949	58.949	59.035	58.693	58.350	58.179	58.008	57.922
15.0	60.233	60.061	60.147	60.061	59.976	59.719	59.206	58.778	58.607	58.521
17.5	61.773	61.687	61.601	61.430	61.088	60.575	60.233	59.890	59.805	59.719
20.0	63.826	63.740	63.655	63.141	62.714	62.115	61.858	61.773	61.773	61.687
22.5	66.307	65.794	65.623	65.195	64.767	64.425	64.339	64.254	64.254	64.168
25.0	69.131	68.275	68.104	67.762	67.419	67.505	67.505	67.419	67.419	67.077
27.5	71.954	70.927	70.499	70.243	70.157	70.499	70.499	70.585	70.756	70.243
30.0	75.034	73.836	72.981	73.066	73.152	73.751	73.751	73.922	74.350	73.836

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## CANDELA TABULATION - (Cont.)

32.5	77.686	77.087	75.804	75.975	76.232	77.002	77.430	77.857	78.371	77.686
35.0	80.167	80.253	79.141	79.397	79.996	80.937	81.536	82.306	82.991	82.221
37.5	82.820	83.419	83.162	83.590	84.445	85.643	86.413	87.269	87.440	87.183
40.0	86.242	87.269	87.611	88.467	89.237	90.349	91.547	92.402	92.402	92.231
42.5	90.434	91.547	92.060	93.258	94.199	95.054	96.167	96.851	96.595	96.680
45.0	95.482	96.252	96.937	98.049	98.990	99.760	100.359	100.359	100.017	100.188
47.5	101.300	101.386	101.557	102.840	103.696	104.894	105.150	104.637	104.124	104.551
50.0	107.803	107.375	106.947	107.803	108.658	109.941	109.685	108.573	107.888	108.487
52.5	114.818	114.048	113.107	113.706	114.048	114.390	112.765	110.797	110.198	111.054
55.0	122.433	122.091	120.380	119.866	119.182	118.069	114.305	110.797	109.770	110.797
57.5	132.186	131.673	128.764	127.395	125.085	122.604	117.043	113.107	112.252	112.594
60.0	145.191	144.421	139.630	136.464	132.956	128.764	122.176	118.326	117.556	117.642
62.5	156.998	154.260	145.876	139.459	135.010	129.278	122.433	118.497	117.556	117.727
65.0	161.875	157.084	146.303	138.176	133.727	128.165	122.433	118.754	118.069	117.727
67.5	159.308	153.576	141.256	135.438	134.411	130.390	124.914	118.839	117.471	117.385
70.0	145.961	140.913	135.010	135.181	137.833	135.010	127.224	117.385	114.989	115.417
72.5	110.540	121.663	130.475	128.080	130.818	126.112	114.305	100.445	97.450	99.846
75.0	86.071	100.958	99.161	89.750	75.890	67.077	52.703	42.693	42.950	42.608
77.5	59.548	60.404	53.302	39.870	25.411	22.416	18.823	16.256	16.598	16.256
80.0	28.320	26.951	21.304	15.999	11.721	10.524	8.641	7.529	7.444	7.101
82.5	11.807	11.636	9.582	7.358	5.647	4.620	3.850	3.337	3.422	3.422
85.0	4.535	4.706	3.936	3.080	2.310	1.968	1.626	1.540	1.454	1.454
87.5	0.856	1.112	0.856	0.770	0.684	0.599	0.513	0.428	0.428	0.428
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	59.206	59.206	59.206	59.206	59.206	59.206	59.206	59.206	59.206	59.206
2.5	58.778	58.693	58.693	58.607	58.693	58.949	58.778	58.778	58.949	59.206
5.0	58.179	58.094	58.179	58.350	58.350	58.607	58.521	58.521	58.693	58.864
7.5	57.580	57.580	57.837	58.008	58.094	58.265	58.265	58.179	58.350	58.607
10.0	57.580	57.666	57.922	58.094	58.008	58.094	58.094	58.094	58.265	58.436
12.5	58.008	58.179	58.521	58.607	58.521	58.265	58.265	58.265	58.521	58.778
15.0	58.693	59.035	59.291	59.548	59.463	59.377	59.291	59.291	59.377	59.719
17.5	59.719	59.805	60.233	60.660	60.660	60.831	60.746	60.660	60.660	60.917
20.0	61.516	61.430	61.601	62.200	62.286	62.457	62.457	62.543	62.371	62.371
22.5	63.912	63.826	63.826	64.254	64.425	64.425	64.425	64.510	64.339	64.168
25.0	67.163	66.992	66.564	66.820	66.820	66.735	66.992	66.906	66.735	66.393
27.5	70.499	70.072	69.558	69.558	69.216	69.131	69.901	69.644	69.216	68.532
30.0	73.836	73.237	72.553	72.125	71.783	71.868	72.382	71.868	71.269	70.499
32.5	77.430	76.488	75.804	75.120	74.521	74.777	74.521	73.836	73.152	72.638
35.0	81.793	80.681	79.569	78.713	77.601	77.173	76.660	75.462	74.948	74.521
37.5	86.841	85.643	84.531	82.820	81.023	80.167	78.970	77.857	77.087	76.745
40.0	91.803	90.605	89.493	87.525	84.959	83.248	81.793	80.766	79.911	79.740
42.5	96.252	94.969	94.113	91.803	89.408	87.012	85.215	84.189	83.419	83.419
45.0	100.445	99.675	98.391	95.996	93.600	91.119	89.151	88.295	87.697	87.354
47.5	105.065	104.722	103.011	100.445	97.963	95.226	93.857	92.659	92.060	91.376
50.0	109.428	109.599	107.888	105.321	102.755	99.931	99.161	97.792	96.680	95.824
52.5	112.936	113.792	112.936	110.113	108.316	105.920	104.808	102.926	102.070	101.044
55.0	113.706	116.358	117.214	115.759	114.647	112.594	111.139	109.000	108.316	107.546
57.5	115.417	118.497	121.577	121.920	121.321	120.294	118.925	116.273	115.503	115.075
60.0	119.866	122.775	127.395	129.620	129.620	130.646	130.048	127.224	126.112	125.256
62.5	119.695	123.032	127.994	132.443	136.293	140.913	142.026	139.716	138.946	136.807
65.0	118.668	121.150	126.454	131.930	136.037	144.935	149.726	149.640	146.389	142.453
67.5	119.866	123.545	126.283	128.080	131.588	144.336	150.838	141.341	131.331	126.283

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## CANDELA TABULATION - (Cont.)

70.0	119.781	126.283	128.764	127.737	126.967	134.069	117.984	108.230	117.385	71.013
72.5	109.856	121.663	128.080	124.486	126.711	92.488	81.707	57.409	10.695	1.968
75.0	53.131	66.906	81.536	85.215	77.686	64.425	14.801	1.454	0.342	0.257
77.5	18.994	21.903	26.608	31.827	36.961	1.027	0.342	0.257	0.171	0.171
80.0	8.470	9.582	9.069	7.358	2.823	0.171	0.171	0.086	0.086	0.086
82.5	3.679	3.679	2.396	1.027	0.171	0.086	0.086	0.086	0.086	0.086
85.0	1.540	0.856	0.428	0.086	0.086	0.086	0.086	0.000	0.000	0.000
87.5	0.342	0.086	0.086	0.086	0.086	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

	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0.0	59.206	59.206	59.206	59.206	59.206	59.206	59.206
2.5	59.120	59.206	59.377	59.377	59.548	59.377	59.120
5.0	58.778	58.778	58.949	58.949	59.035	58.949	58.607
7.5	58.436	58.436	58.521	58.436	58.521	58.436	58.094
10.0	58.350	58.350	58.350	58.436	58.607	58.436	58.265
12.5	58.778	58.949	58.778	58.949	59.120	58.949	58.778
15.0	59.805	59.805	59.634	59.719	59.634	59.377	59.291
17.5	60.831	60.746	60.318	60.233	60.147	60.147	60.061
20.0	62.200	62.029	61.430	61.430	61.516	61.601	61.687
22.5	63.912	63.655	62.970	63.056	63.313	63.569	63.912
25.0	65.965	65.366	64.938	65.024	65.366	65.794	66.050
27.5	67.676	67.163	66.820	66.992	67.334	67.847	68.189
30.0	69.558	69.216	69.216	69.387	69.815	70.499	70.927
32.5	71.868	71.526	71.526	71.868	72.467	73.323	73.836
35.0	74.264	73.751	74.264	74.777	75.633	76.574	77.259
37.5	76.660	76.916	77.772	78.542	79.397	80.595	81.536
40.0	79.825	80.595	81.365	82.392	83.590	84.959	85.900
42.5	83.590	84.445	85.386	86.328	87.525	89.065	90.092
45.0	87.525	88.295	89.237	90.178	91.376	93.001	93.857
47.5	91.461	91.889	93.087	93.942	95.140	96.766	97.365
50.0	95.824	96.081	97.193	98.049	99.161	100.616	100.958
52.5	100.958	100.958	101.642	102.327	102.669	103.610	103.696
55.0	106.947	106.434	106.519	106.605	105.920	105.749	105.407
57.5	114.048	113.278	112.594	111.225	108.573	107.033	106.348
60.0	124.059	122.347	119.952	116.358	111.909	110.540	110.027
62.5	132.529	127.481	122.861	118.069	113.706	112.337	111.567
65.0	134.069	127.566	121.834	115.246	105.493	92.573	92.488
67.5	125.085	97.963	64.510	35.592	17.882	10.352	7.700
70.0	24.384	12.235	1.454	0.513	0.342	0.342	0.342
72.5	0.513	0.342	0.257	0.257	0.257	0.257	0.171
75.0	0.257	0.171	0.171	0.171	0.086	0.086	0.086
77.5	0.086	0.086	0.086	0.086	0.086	0.000	0.000
80.0	0.086	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-L30-730-TFT-XXX-CGL-EM4W-DIM-UNV\_EMER MODE ONLY.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	22.72	N.A.	4.90
0-30	54.25	N.A.	11.60
0-40	104.76	N.A.	22.40
0-60	283.70	N.A.	60.60
0-80	465.19	N.A.	99.40
0-90	467.99	N.A.	100.00
10-90	462.39	N.A.	98.80
20-40	82.05	N.A.	17.50
20-50	157.03	N.A.	33.60
40-70	303.62	N.A.	64.90
60-80	181.49	N.A.	38.80
70-80	56.81	N.A.	12.10
80-90	2.80	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	467.99	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	5.60
10-20	17.12
20-30	31.53
30-40	50.51
40-50	74.99
50-60	103.95
60-70	124.69
70-80	56.81
80-90	2.80
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	46
4	75	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	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-L30-730-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	20.2	22.1	20.6	22.4	22.8	19.9	21.8	20.3	22.1	22.5
	3H	23.7	25.5	24.1	25.8	26.2	23.6	25.3	23.9	25.7	26.0
	4H	24.4	26.0	24.7	26.4	26.7	24.2	25.9	24.6	26.3	26.6
	6H	24.4	25.9	24.8	26.3	26.7	24.3	25.8	24.7	26.2	26.6
	8H	24.4	25.8	24.8	26.2	26.6	24.2	25.7	24.7	26.1	26.5
	12H	24.3	25.8	24.8	26.2	26.6	24.2	25.7	24.6	26.0	26.5

### UGR Viewed Endwise

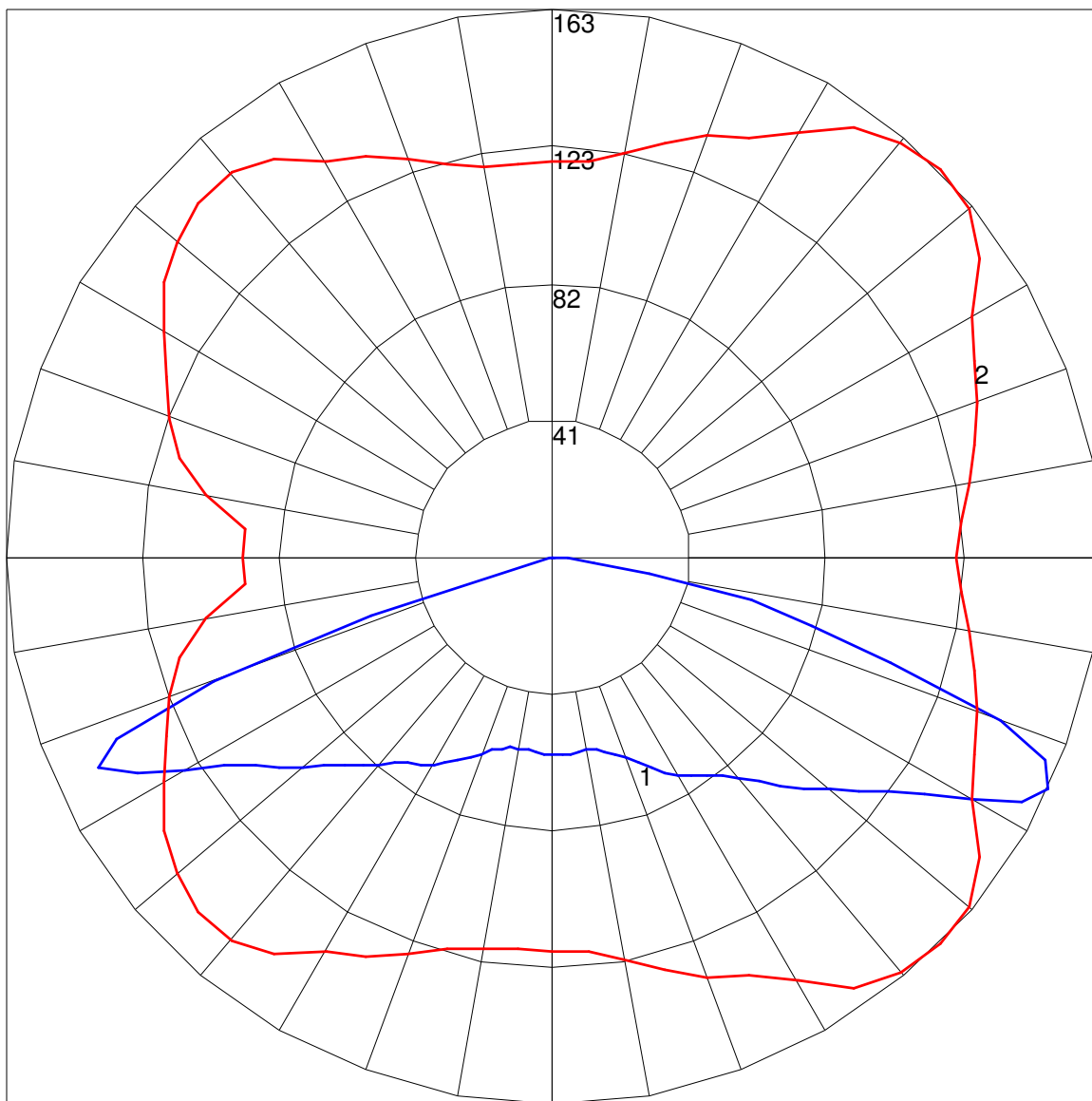
4H	2H	22.0	23.7	22.4	24.0	24.4	21.7	23.4	22.1	23.7	24.1
	3H	25.4	26.8	25.8	27.2	27.6	25.3	26.7	25.7	27.1	27.5
	4H	26.1	27.4	26.5	27.8	28.2	26.0	27.3	26.5	27.7	28.2
	6H	26.1	27.3	26.6	27.7	28.1	26.1	27.2	26.5	27.7	28.1
	8H	26.1	27.2	26.6	27.6	28.1	26.1	27.1	26.5	27.6	28.0
	12H	26.1	27.1	26.6	27.6	28.0	26.1	27.1	26.6	27.5	28.0
8H	4H	26.6	27.6	27.0	28.1	28.5	26.3	27.4	26.7	27.8	28.3
	6H	26.7	27.5	27.2	28.0	28.5	26.4	27.3	26.9	27.7	28.2
	8H	26.7	27.4	27.2	27.9	28.4	26.4	27.2	26.9	27.7	28.1
	12H	26.7	27.4	27.2	27.8	28.4	26.4	27.1	26.9	27.6	28.1
12H	4H	26.6	27.6	27.1	28.0	28.5	26.3	27.3	26.8	27.7	28.2
	6H	26.7	27.5	27.2	27.9	28.5	26.4	27.2	26.9	27.6	28.2
	8H	26.7	27.4	27.2	27.9	28.4	26.4	27.1	26.9	27.6	28.1

Maximum UGR = 28.5

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : VWPX-L30-730-TFT-XXX-CGL-EM4W-DIM-UNV\_EMER MODE ONLY.IES

## POLAR GRAPH



Maximum Candela = 163.415 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.)