



IES INDOOR REPORT
PHOTOMETRIC FILENAME : VWPX-L30-740-T3-XXX-SDGL-EM4W-DIM-UNV_EMER MODE ONLY_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM ATAL009419
 [TESTLAB] ATAL-LABS
 [ISSUEDATE] 17 SEP 2024
 [MANUFAC] H.E. WILLIAMS, INC.
 [LUMCAT] VWPx-L30-740-T3-xxx-SDGL-EM4W-DIM-UNV EM MODE ONLY
 [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_SOURCETYPE] LED
 [_SEARCH_APPLICATION] Outdoor
 [_SEARCH_MOUNTING] Wall

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	514
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	51442
Total Luminaire Watts	0.01
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	5573	7768	6271
55	3966	8146	7585
65	2764	7145	8793
75	1805	5484	8124
85	860	2782	4350

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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	141.705	141.705	141.705	141.705	141.705	141.705	141.705	141.705	141.705	141.705
2.5	145.873	146.194	145.873	146.835	146.675	146.514	146.194	145.552	145.232	145.072
5.0	151.964	151.964	151.964	152.606	152.445	152.125	151.644	151.003	150.361	149.881
7.5	154.529	154.529	154.529	155.010	154.690	154.209	153.728	153.728	153.728	153.567
10.0	159.819	159.819	159.659	159.659	159.018	158.537	158.056	157.896	157.415	157.094
12.5	166.391	166.712	166.231	166.071	165.430	165.269	164.628	164.147	163.346	162.544
15.0	172.483	172.803	172.323	171.681	171.040	170.720	170.239	170.559	170.239	168.796
17.5	177.612	177.933	177.452	176.490	175.208	174.406	174.246	174.887	174.727	174.086
20.0	187.551	187.391	186.429	185.147	183.704	181.620	180.017	179.055	178.093	177.452
22.5	198.131	198.131	197.009	195.245	193.162	191.238	189.314	185.948	183.223	180.979
25.0	206.306	206.466	205.184	203.260	201.016	198.291	196.047	192.841	190.116	185.788
27.5	213.199	213.199	212.077	209.672	206.627	204.383	201.497	198.291	194.925	192.520
30.0	216.886	216.565	215.283	213.840	210.795	208.550	205.184	202.619	200.215	196.848
32.5	215.123	215.123	214.161	212.878	211.756	210.153	207.909	205.825	203.741	200.215
35.0	209.512	209.192	208.230	207.909	207.749	207.909	207.268	207.428	205.505	202.780
37.5	200.535	200.054	199.253	199.734	200.215	201.337	203.581	205.184	205.825	203.741
40.0	184.666	184.505	184.986	185.948	188.353	191.559	196.848	201.657	204.703	204.383
42.5	164.788	165.430	165.750	167.514	172.803	177.452	186.750	195.726	201.016	202.619
45.0	143.308	144.591	145.713	148.758	154.209	160.941	172.964	185.788	194.925	199.574
47.5	125.034	125.675	126.958	130.324	135.934	144.270	157.415	172.643	185.147	193.963
50.0	109.966	110.607	110.928	114.294	120.385	129.042	142.827	158.056	172.803	185.307
52.5	95.379	96.020	96.340	100.027	105.958	114.935	128.881	144.430	159.819	173.765
55.0	82.715	83.677	83.997	87.203	93.134	101.630	116.057	131.927	146.354	159.979
57.5	71.654	72.295	72.616	75.341	80.791	89.608	102.752	118.462	132.248	145.232
60.0	61.555	61.716	61.876	64.441	69.410	77.746	90.249	104.516	117.179	129.042
62.5	51.777	51.777	52.258	54.823	58.830	67.647	78.387	90.890	102.271	113.813
65.0	42.480	42.480	42.960	46.006	49.693	57.708	67.166	77.746	87.684	98.264
67.5	34.625	34.465	34.785	37.671	41.357	48.250	56.426	66.204	74.700	83.677
70.0	27.732	27.572	28.053	30.297	33.182	39.434	46.647	54.342	62.357	69.891
72.5	21.961	21.801	22.121	24.045	26.770	31.579	37.510	44.563	50.815	56.907
75.0	16.992	16.832	16.992	18.595	20.679	24.526	29.656	34.785	39.915	44.884
77.5	12.503	12.343	12.503	13.786	15.229	18.274	22.282	25.969	29.816	34.144
80.0	8.656	8.496	8.656	9.458	10.580	12.664	15.549	18.274	20.999	24.045
82.5	5.290	5.290	5.290	5.931	6.572	7.855	9.618	11.542	13.145	15.068
85.0	2.725	2.565	2.565	2.885	3.366	4.008	4.969	5.771	6.733	7.694
87.5	0.802	0.802	0.802	0.962	0.962	1.122	1.443	1.763	2.084	2.405
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	141.705	141.705	141.705	141.705	141.705	141.705	141.705	141.705	141.705	141.705
2.5	145.232	144.751	143.949	143.469	143.469	143.308	142.667	142.346	141.866	141.385
5.0	149.720	148.919	147.797	146.835	146.354	146.033	144.911	144.110	143.308	142.346
7.5	153.728	153.247	152.606	151.484	150.842	150.201	148.919	147.636	146.514	144.911
10.0	156.773	156.773	156.293	155.812	155.331	154.529	153.407	151.964	150.041	148.117
12.5	162.063	161.743	161.262	160.621	159.659	158.857	157.415	155.812	153.247	150.842
15.0	167.514	166.712	165.590	164.308	163.185	162.224	160.781	159.018	156.132	153.087
17.5	172.643	171.361	170.078	168.155	166.872	165.750	164.147	162.224	158.537	154.850
20.0	176.330	175.048	174.727	173.284	170.880	168.796	166.712	164.308	160.140	155.972
22.5	178.895	178.254	177.933	176.170	173.284	171.200	169.277	166.552	162.865	157.575
25.0	182.582	180.338	179.696	178.735	176.330	173.765	171.521	168.475	164.788	159.499
27.5	188.353	183.223	182.101	180.498	178.574	175.368	172.964	169.918	165.590	159.819
30.0	193.162	188.192	184.345	182.421	180.818	178.254	174.567	171.361	166.391	159.819

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CANDELA TABULATION - (Cont.)

32.5	196.848	192.360	188.032	184.345	182.742	180.177	176.971	173.124	167.193	160.300
35.0	199.093	195.245	190.436	187.230	185.467	183.063	178.735	174.086	168.475	161.102
37.5	200.535	196.368	192.841	189.314	187.391	185.307	181.460	176.170	169.758	161.262
40.0	201.177	197.329	193.803	191.078	189.314	187.070	183.063	176.651	169.437	160.621
42.5	201.337	197.329	193.322	191.559	188.673	187.391	184.505	178.254	170.720	161.262
45.0	199.734	196.207	192.360	189.956	189.154	188.353	185.948	179.857	171.842	161.262
47.5	196.207	193.803	189.635	188.032	188.673	188.513	186.269	180.658	172.002	160.941
50.0	190.276	189.475	186.429	186.269	187.070	188.032	187.551	182.261	172.643	160.941
52.5	181.780	183.544	183.383	183.544	185.307	186.589	187.070	181.941	172.162	159.659
55.0	169.918	175.368	178.895	180.979	182.421	184.666	185.307	181.299	172.002	158.216
57.5	155.972	165.269	171.200	174.567	177.132	179.536	180.818	177.132	168.155	154.529
60.0	140.743	152.606	160.460	165.430	169.117	172.643	174.246	170.880	162.224	149.560
62.5	125.515	138.660	148.438	155.170	160.941	164.468	166.712	163.987	155.812	143.148
65.0	109.806	123.752	134.171	142.507	150.041	154.048	158.056	155.972	148.438	135.133
67.5	95.058	107.561	118.943	127.759	136.896	141.866	145.713	144.911	137.537	125.675
70.0	80.150	90.730	101.630	111.569	121.187	126.316	130.805	129.522	123.110	112.210
72.5	65.402	74.540	84.799	94.577	103.394	108.523	112.210	110.126	104.355	95.539
75.0	51.617	59.311	69.250	76.944	84.478	88.486	91.211	88.967	83.677	76.463
77.5	38.953	45.044	53.220	59.471	65.402	67.486	69.570	67.005	62.677	57.227
80.0	27.572	31.900	38.151	42.480	46.808	47.609	48.892	46.968	43.762	40.235
82.5	17.312	20.679	24.526	27.251	29.976	31.900	31.419	29.816	28.533	25.808
85.0	8.817	10.740	12.664	14.106	15.709	16.832	16.511	15.549	15.389	13.786
87.5	2.725	3.366	4.168	4.488	5.130	5.771	5.611	5.130	5.290	4.809
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

	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0
0.0	141.705	141.705	141.705	141.705	141.705	141.705	141.705	141.705	141.705	141.705
2.5	140.904	140.423	140.102	139.461	138.980	138.660	138.660	138.499	138.179	138.018
5.0	141.385	140.423	139.461	138.179	137.217	136.415	135.934	135.614	134.812	134.171
7.5	143.469	141.866	140.102	138.660	137.057	135.934	134.973	133.530	132.248	131.125
10.0	146.194	143.949	141.705	139.782	137.537	135.614	133.851	131.606	129.683	127.599
12.5	148.278	145.713	143.308	140.583	138.018	135.454	132.728	129.362	126.477	123.591
15.0	149.720	146.514	143.148	140.423	137.537	134.171	130.324	126.477	123.110	119.263
17.5	150.842	146.995	143.148	139.140	135.293	131.286	126.797	122.630	118.141	113.332
20.0	151.163	147.316	143.148	138.179	133.530	128.721	123.110	117.019	111.248	104.836
22.5	151.964	147.316	142.507	136.896	131.286	125.194	118.141	110.447	102.432	94.577
25.0	153.407	147.957	141.866	135.614	128.561	120.866	111.889	102.432	93.134	84.158
27.5	153.728	147.636	140.583	133.530	125.515	115.737	104.997	94.256	84.318	75.181
30.0	153.087	146.835	138.980	130.324	121.347	110.126	97.943	85.921	75.982	68.128
32.5	153.247	145.552	137.537	128.240	116.859	103.714	90.409	78.387	69.410	63.319
35.0	152.766	144.430	135.614	124.713	112.050	97.462	83.196	71.654	63.799	59.311
37.5	152.445	143.629	133.209	120.866	106.279	90.730	75.822	65.082	59.151	56.105
40.0	151.484	141.866	130.324	116.698	100.989	83.516	68.929	58.830	54.181	52.578
42.5	151.323	140.263	127.919	112.050	94.737	76.463	62.196	53.380	49.853	49.212
45.0	150.201	138.660	124.713	107.080	88.005	68.929	55.945	48.250	45.525	45.846
47.5	148.278	136.095	121.187	102.592	82.074	62.677	50.014	43.602	41.678	42.480
50.0	147.636	134.492	118.141	98.264	76.463	57.227	45.205	39.594	37.991	38.953
52.5	145.873	131.927	114.615	94.096	71.654	52.418	40.877	35.266	33.823	35.266
55.0	143.949	128.721	110.928	89.608	67.326	48.411	37.029	31.739	30.617	31.419
57.5	139.621	124.072	106.279	84.478	62.357	44.243	33.503	28.533	27.251	27.251
60.0	134.492	118.301	100.027	78.707	57.227	40.235	30.136	25.648	23.885	23.404
62.5	128.240	112.050	93.776	72.776	52.098	36.548	27.251	22.763	20.839	20.198
65.0	121.507	104.997	86.883	66.525	47.289	33.182	24.205	20.038	18.114	17.312
67.5	111.889	96.501	79.188	60.273	42.159	29.335	21.160	17.312	15.389	14.267

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CANDELA TABULATION - (Cont.)

70.0	99.707	85.761	70.372	52.739	36.709	25.167	17.954	14.427	12.183	10.259
72.5	84.638	72.937	59.792	44.724	30.778	20.679	14.106	10.740	8.175	5.611
75.0	67.967	58.510	48.250	36.068	24.366	15.068	8.656	6.252	2.885	1.122
77.5	50.655	44.884	37.029	27.251	16.832	6.733	3.366	1.122	0.321	0.160
80.0	35.747	31.900	26.289	16.992	3.687	1.282	0.481	0.160	0.160	0.000
82.5	23.083	20.518	16.832	7.214	1.122	0.321	0.160	0.160	0.000	0.000
85.0	12.343	11.061	8.175	1.603	0.321	0.160	0.160	0.160	0.000	0.000
87.5	4.649	3.847	1.122	0.160	0.160	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	141.705	141.705	141.705	141.705	141.705	141.705	141.705	141.705
2.5	137.858	138.018	137.698	137.858	138.179	137.858	137.377	136.896
5.0	133.851	133.530	132.889	133.049	133.370	132.889	132.728	132.248
7.5	130.164	129.362	128.080	127.759	127.759	127.599	127.278	127.439
10.0	125.836	124.553	122.790	121.187	120.546	120.065	119.584	119.904
12.5	121.027	118.943	116.218	114.134	112.851	111.409	111.569	111.889
15.0	114.935	111.409	107.882	104.355	102.592	100.668	100.829	101.149
17.5	107.401	102.111	97.623	92.974	90.089	87.364	87.043	87.364
20.0	97.783	91.211	85.119	80.471	77.104	74.219	73.257	73.257
22.5	86.241	79.829	74.540	69.731	67.005	65.082	63.799	63.479
25.0	75.662	70.372	66.044	62.998	61.074	60.113	59.471	59.311
27.5	68.288	64.441	61.555	59.632	58.510	58.189	58.189	58.029
30.0	63.639	60.914	59.151	58.189	58.349	58.510	58.990	58.670
32.5	60.113	58.830	58.349	58.830	59.792	60.433	61.074	61.074
35.0	57.227	57.387	58.029	59.311	60.433	61.716	62.838	62.998
37.5	55.304	56.105	57.387	58.830	60.113	61.395	62.517	62.677
40.0	53.059	54.181	55.945	57.708	59.311	60.914	62.196	62.196
42.5	50.174	51.937	54.662	56.907	58.990	60.593	61.716	62.036
45.0	47.769	50.174	53.059	54.823	56.746	58.510	59.632	60.113
47.5	45.044	47.289	49.533	51.456	52.578	54.181	54.662	54.983
50.0	41.678	43.281	44.724	46.006	46.327	47.609	47.769	47.769
52.5	37.029	38.312	39.274	39.594	39.754	40.235	40.396	40.075
55.0	32.381	33.182	33.503	33.503	33.342	33.823	34.144	33.503
57.5	27.411	27.732	28.053	28.053	28.213	28.373	28.533	28.373
60.0	23.564	23.404	23.885	23.885	24.045	24.205	24.045	24.045
62.5	20.038	20.038	20.038	19.877	19.557	19.557	19.557	19.557
65.0	16.992	16.511	15.549	14.748	14.587	13.946	13.946	13.946
67.5	13.145	11.862	10.259	8.817	7.053	4.168	3.366	3.206
70.0	8.336	5.931	2.885	1.763	1.282	0.802	0.802	0.802
72.5	2.565	1.122	0.641	0.481	0.321	0.321	0.321	0.321
75.0	0.481	0.321	0.160	0.160	0.160	0.160	0.160	0.160
77.5	0.160	0.160	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-L30-740-T3-XXX-SDGL-EM4W-DIM-UNV_EMER MODE ONLY_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	54.47	N.A.	10.60
0-30	120.33	N.A.	23.40
0-40	208.37	N.A.	40.50
0-60	397.70	N.A.	77.30
0-80	506.68	N.A.	98.50
0-90	514.42	N.A.	100.00
10-90	500.80	N.A.	97.40
20-40	153.90	N.A.	29.90
20-50	251.64	N.A.	48.90
40-70	260.60	N.A.	50.70
60-80	108.98	N.A.	21.20
70-80	37.72	N.A.	7.30
80-90	7.73	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	514.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	13.62
10-20	40.85
20-30	65.86
30-40	88.04
40-50	97.74
50-60	91.59
60-70	71.26
70-80	37.72
80-90	7.73
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

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	49	49	49	49	47	47	47	47	45	45	45	43	43	43	42	42	42	41
1	44	42	40	39	43	41	40	38	40	38	37	38	37	36	37	36	35	34
2	40	37	34	31	39	36	33	31	34	32	30	33	31	29	32	30	29	28
3	36	32	28	26	35	31	28	25	30	27	25	29	27	25	28	26	24	23
4	33	28	24	21	32	27	24	21	26	23	21	25	23	21	25	22	20	20
5	30	25	21	18	29	24	21	18	24	20	18	23	20	18	22	20	18	17
6	28	22	18	16	27	22	18	16	21	18	16	20	18	15	20	17	15	14
7	26	20	16	14	25	20	16	14	19	16	14	19	16	14	18	15	13	13
8	24	18	15	12	23	18	15	12	17	14	12	17	14	12	16	14	12	11
9	22	17	13	11	22	16	13	11	16	13	11	15	13	11	15	13	11	10
10	21	15	12	10	20	15	12	10	15	12	10	14	12	10	14	11	10	9

IES INDOOR REPORT

PHOTOMETRIC FILENAME : VWPX-L30-740-T3-XXX-SDGL-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	20.4	22.1	20.8	22.4	22.8	23.9	25.6	24.3	25.9	26.3
	3H	21.3	22.8	21.7	23.2	23.5	26.7	28.2	27.1	28.5	28.9
	4H	21.5	23.0	21.9	23.3	23.7	27.6	29.0	28.0	29.4	29.8
	6H	21.6	23.0	22.1	23.4	23.7	28.1	29.5	28.5	29.8	30.2
	8H	21.7	23.0	22.1	23.3	23.7	28.3	29.5	28.7	29.9	30.3
	12H	21.7	22.9	22.1	23.3	23.7	28.3	29.6	28.8	29.9	30.4

UGR Viewed Endwise

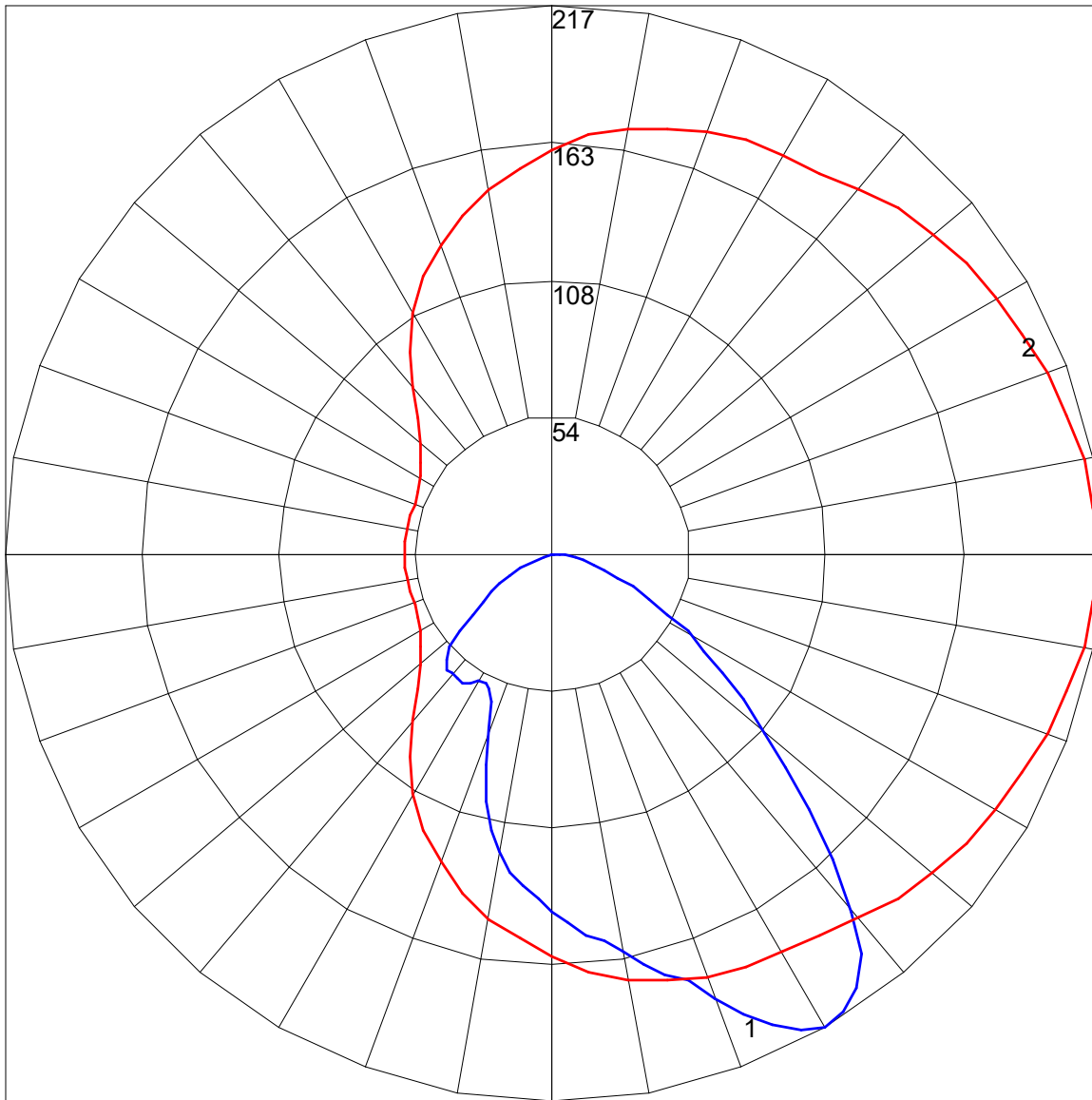
4H	2H	22.3	23.7	22.7	24.1	24.4	24.2	25.7	24.6	26.0	26.4
	3H	23.4	24.6	23.8	25.0	25.4	27.2	28.4	27.6	28.8	29.2
	4H	23.7	24.8	24.1	25.2	25.6	28.2	29.3	28.7	29.7	30.2
	6H	23.8	24.8	24.3	25.2	25.7	28.9	29.9	29.4	30.3	30.8
	8H	23.9	24.8	24.3	25.2	25.7	29.1	30.0	29.6	30.5	30.9
	12H	23.9	24.7	24.3	25.2	25.6	29.2	30.1	29.7	30.5	31.0
8H	4H	24.7	25.6	25.1	26.0	26.5	28.3	29.2	28.7	29.6	30.1
	6H	24.9	25.7	25.4	26.2	26.6	29.1	29.8	29.6	30.3	30.8
	8H	25.0	25.6	25.5	26.1	26.6	29.3	30.0	29.9	30.5	31.0
	12H	25.0	25.6	25.5	26.1	26.6	29.5	30.1	30.0	30.6	31.2
12H	4H	24.9	25.7	25.3	26.1	26.6	28.3	29.1	28.7	29.6	30.0
	6H	25.2	25.8	25.7	26.3	26.8	29.1	29.8	29.6	30.2	30.7
	8H	25.3	25.8	25.8	26.3	26.9	29.4	30.0	29.9	30.4	31.0

Maximum UGR = 31.2

IES INDOOR REPORT

PHOTOMETRIC FILENAME : VWPX-L30-740-T3-XXX-SDGL-EM4W-DIM-UNV_EMER MODE ONLY_.IES

POLAR GRAPH



Maximum Candela = 216.886 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.)