

IES INDOOR REPORT

PHOTOMETRIC FILENAME : VWPX-L30-840-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] 2026-02-26
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] VWPx-L30-840-T3-xxx-SDGL-EM10WC-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	1150
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
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	12459	17364	14019
55	8865	18211	16957
65	6179	15972	19656
75	4036	12260	18161
85	1922	6219	9723

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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	316.772	316.772	316.772	316.772	316.772	316.772	316.772	316.772	316.772	316.772
2.5	326.089	326.805	326.089	328.239	327.880	327.522	326.805	325.372	324.655	324.297
5.0	339.705	339.705	339.705	341.139	340.780	340.064	338.989	337.555	336.122	335.047
7.5	345.439	345.439	345.439	346.514	345.797	344.722	343.647	343.647	343.647	343.289
10.0	357.264	357.264	356.906	356.906	355.472	354.397	353.322	352.964	351.889	351.172
12.5	371.956	372.673	371.598	371.239	369.806	369.448	368.014	366.939	365.147	363.356
15.0	385.573	386.289	385.214	383.781	382.348	381.631	380.556	381.273	380.556	377.331
17.5	397.040	397.756	396.681	394.531	391.665	389.873	389.515	390.948	390.590	389.156
20.0	419.257	418.898	416.748	413.882	410.657	405.998	402.415	400.265	398.115	396.681
22.5	442.907	442.907	440.399	436.457	431.799	427.498	423.198	415.673	409.581	404.565
25.0	461.182	461.541	458.674	454.374	449.357	443.265	438.249	431.082	424.990	415.315
27.5	476.591	476.591	474.083	468.707	461.899	456.882	450.432	443.265	435.740	430.365
30.0	484.833	484.116	481.249	478.024	471.216	466.199	458.674	452.941	447.565	440.040
32.5	480.891	480.891	478.741	475.874	473.366	469.782	464.766	460.107	455.449	447.565
35.0	468.349	467.632	465.482	464.766	464.407	464.766	463.332	463.691	459.391	453.299
37.5	448.282	447.207	445.415	446.490	447.565	450.074	455.091	458.674	460.107	455.449
40.0	412.807	412.448	413.523	415.673	421.048	428.215	440.040	450.790	457.599	456.882
42.5	368.373	369.806	370.523	374.464	386.289	396.681	417.465	437.532	449.357	452.941
45.0	320.355	323.222	325.730	332.539	344.722	359.772	386.648	415.315	435.740	446.132
47.5	279.504	280.938	283.804	291.330	303.871	322.505	351.889	385.931	413.882	433.590
50.0	245.821	247.254	247.971	255.496	269.113	288.463	319.280	353.322	386.289	414.240
52.5	213.212	214.645	215.362	223.604	236.862	256.929	288.105	322.863	357.264	388.439
55.0	184.903	187.053	187.770	194.936	208.195	227.187	259.437	294.913	327.164	357.622
57.5	160.178	161.611	162.328	168.419	180.603	200.312	229.695	264.813	295.630	324.655
60.0	137.602	137.961	138.319	144.052	155.161	173.794	201.745	233.637	261.946	288.463
62.5	115.744	115.744	116.819	122.552	131.510	151.219	175.228	203.178	228.620	254.421
65.0	94.960	94.960	96.035	102.843	111.085	129.002	150.144	173.794	196.011	219.662
67.5	77.401	77.043	77.760	84.210	92.451	107.860	126.135	147.994	166.986	187.053
70.0	61.993	61.634	62.709	67.726	74.176	88.151	104.277	121.477	139.394	156.236
72.5	49.092	48.734	49.451	53.751	59.843	70.593	83.851	99.618	113.593	127.210
75.0	37.984	37.626	37.984	41.567	46.226	54.826	66.293	77.760	89.226	100.335
77.5	27.950	27.592	27.950	30.817	34.042	40.851	49.809	58.051	66.651	76.326
80.0	19.350	18.992	19.350	21.142	23.650	28.309	34.759	40.851	46.942	53.751
82.5	11.825	11.825	11.825	13.259	14.692	17.559	21.500	25.800	29.384	33.684
85.0	6.092	5.733	5.733	6.450	7.525	8.958	11.109	12.900	15.050	17.200
87.5	1.792	1.792	1.792	2.150	2.150	2.508	3.225	3.942	4.658	5.375
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	316.772	316.772	316.772	316.772	316.772	316.772	316.772	316.772	316.772	316.772
2.5	324.655	323.580	321.788	320.713	320.713	320.355	318.922	318.205	317.130	316.055
5.0	334.689	332.897	330.389	328.239	327.164	326.447	323.938	322.147	320.355	318.205
7.5	343.647	342.572	341.139	338.630	337.197	335.764	332.897	330.030	327.522	323.938
10.0	350.456	350.456	349.381	348.306	347.231	345.439	342.930	339.705	335.405	331.105
12.5	362.281	361.564	360.489	359.056	356.906	355.114	351.889	348.306	342.572	337.197
15.0	374.464	372.673	370.164	367.297	364.789	362.639	359.414	355.472	349.022	342.214
17.5	385.931	383.064	380.198	375.898	373.031	370.523	366.939	362.639	354.397	346.155
20.0	394.173	391.306	390.590	387.364	381.989	377.331	372.673	367.297	357.981	348.664
22.5	399.906	398.473	397.756	393.815	387.364	382.706	378.406	372.314	364.072	352.247
25.0	408.148	403.131	401.698	399.548	394.173	388.439	383.423	376.614	368.373	356.547
27.5	421.048	409.581	407.073	403.490	399.190	392.023	386.648	379.839	370.164	357.264
30.0	431.799	420.690	412.090	407.790	404.206	398.473	390.231	383.064	371.956	357.264

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CANDELA TABULATION - (Cont.)

32.5	440.040	430.007	420.332	412.090	408.506	402.773	395.606	387.006	373.748	358.339
35.0	445.057	436.457	425.707	418.540	414.598	409.223	399.548	389.156	376.614	360.131
37.5	448.282	438.965	431.082	423.198	418.898	414.240	405.640	393.815	379.481	360.489
40.0	449.715	441.115	433.232	427.140	423.198	418.182	409.223	394.890	378.764	359.056
42.5	450.074	441.115	432.157	428.215	421.765	418.898	412.448	398.473	381.631	360.489
45.0	446.490	438.607	430.007	424.632	422.840	421.048	415.673	402.056	384.139	360.489
47.5	438.607	433.232	423.915	420.332	421.765	421.407	416.390	403.848	384.498	359.772
50.0	425.348	423.557	416.748	416.390	418.182	420.332	419.257	407.431	385.931	359.772
52.5	406.356	410.298	409.940	410.298	414.240	417.107	418.182	406.715	384.856	356.906
55.0	379.839	392.023	399.906	404.565	407.790	412.807	414.240	405.281	384.498	353.681
57.5	348.664	369.448	382.706	390.231	395.965	401.340	404.206	395.965	375.898	345.439
60.0	314.622	341.139	358.697	369.806	378.048	385.931	389.515	381.989	362.639	334.330
62.5	280.579	309.963	331.822	346.872	359.772	367.656	372.673	366.581	348.306	319.997
65.0	245.462	276.638	299.930	318.563	335.405	344.364	353.322	348.664	331.822	302.080
67.5	212.495	240.445	265.888	285.596	306.022	317.130	325.730	323.938	307.455	280.938
70.0	179.170	202.820	227.187	249.404	270.904	282.371	292.405	289.538	275.204	250.837
72.5	146.202	166.628	189.561	211.420	231.129	242.596	250.837	246.179	233.279	213.570
75.0	115.385	132.585	154.802	172.003	188.845	197.803	203.895	198.878	187.053	170.928
77.5	87.076	100.693	118.969	132.944	146.202	150.861	155.519	149.786	140.111	127.927
80.0	61.634	71.309	85.285	94.960	104.635	106.427	109.293	104.993	97.827	89.943
82.5	38.701	46.226	54.826	60.918	67.009	71.309	70.234	66.651	63.784	57.693
85.0	19.709	24.009	28.309	31.534	35.117	37.626	36.909	34.759	34.401	30.817
87.5	6.092	7.525	9.317	10.033	11.467	12.900	12.542	11.467	11.825	10.750
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	316.772	316.772	316.772	316.772	316.772	316.772	316.772	316.772	316.772	316.772
2.5	314.980	313.905	313.188	311.755	310.680	309.963	309.963	309.605	308.888	308.530
5.0	316.055	313.905	311.755	308.888	306.738	304.946	303.871	303.155	301.363	299.930
7.5	320.713	317.130	313.188	309.963	306.380	303.871	301.721	298.496	295.630	293.121
10.0	326.805	321.788	316.772	312.472	307.455	303.155	299.213	294.196	289.896	285.238
12.5	331.464	325.730	320.355	314.263	308.530	302.796	296.705	289.180	282.729	276.279
15.0	334.689	327.522	319.997	313.905	307.455	299.930	291.330	282.729	275.204	266.604
17.5	337.197	328.597	319.997	311.038	302.438	293.480	283.446	274.129	264.096	253.346
20.0	337.914	329.314	319.997	308.888	298.496	287.746	275.204	261.587	248.687	234.354
22.5	339.705	329.314	318.563	306.022	293.480	279.863	264.096	246.896	228.979	211.420
25.0	342.930	330.747	317.130	303.155	287.388	270.188	250.121	228.979	208.195	188.128
27.5	343.647	330.030	314.263	298.496	280.579	258.721	234.712	210.703	188.486	168.061
30.0	342.214	328.239	310.680	291.330	271.263	246.179	218.945	192.070	169.853	152.294
32.5	342.572	325.372	307.455	286.671	261.229	231.845	202.103	175.228	155.161	141.544
35.0	341.497	322.863	303.155	278.788	250.479	217.870	185.978	160.178	142.619	132.585
37.5	340.780	321.072	297.780	270.188	237.579	202.820	169.494	145.486	132.227	125.419
40.0	338.630	317.130	291.330	260.871	225.754	186.695	154.086	131.510	121.119	117.535
42.5	338.272	313.547	285.955	250.479	211.778	170.928	139.036	119.327	111.443	110.010
45.0	335.764	309.963	278.788	239.370	196.728	154.086	125.060	107.860	101.768	102.485
47.5	331.464	304.230	270.904	229.337	183.470	140.111	111.802	97.468	93.168	94.960
50.0	330.030	300.646	264.096	219.662	170.928	127.927	101.052	88.510	84.926	87.076
52.5	326.089	294.913	256.212	210.345	160.178	117.177	91.376	78.835	75.610	78.835
55.0	321.788	287.746	247.971	200.312	150.502	108.218	82.776	70.951	68.443	70.234
57.5	312.113	277.354	237.579	188.845	139.394	98.902	74.893	63.784	60.918	60.918
60.0	300.646	264.454	223.604	175.944	127.927	89.943	67.368	57.334	53.393	52.317
62.5	286.671	250.479	209.628	162.686	116.460	81.701	60.918	50.884	46.584	45.151
65.0	271.621	234.712	194.220	148.711	105.710	74.176	54.109	44.792	40.492	38.701
67.5	250.121	215.720	177.019	134.735	94.243	65.576	47.301	38.701	34.401	31.892

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CANDELA TABULATION - (Cont.)

70.0	222.887	191.711	157.311	117.894	82.060	56.259	40.134	32.251	27.234	22.934
72.5	189.203	163.044	133.660	99.977	68.801	46.226	31.534	24.009	18.275	12.542
75.0	151.936	130.794	107.860	80.626	54.468	33.684	19.350	13.975	6.450	2.508
77.5	113.235	100.335	82.776	60.918	37.626	15.050	7.525	2.508	0.717	0.358
80.0	79.910	71.309	58.768	37.984	8.242	2.867	1.075	0.358	0.358	0.000
82.5	51.601	45.867	37.626	16.125	2.508	0.717	0.358	0.358	0.000	0.000
85.0	27.592	24.725	18.275	3.583	0.717	0.358	0.358	0.358	0.000	0.000
87.5	10.392	8.600	2.508	0.358	0.358	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

	145.0	150.0	155.0	160.0	165.0	170.0	175.0	180.0
0.0	316.772	316.772	316.772	316.772	316.772	316.772	316.772	316.772
2.5	308.172	308.530	307.813	308.172	308.888	308.172	307.097	306.022
5.0	299.213	298.496	297.063	297.421	298.138	297.063	296.705	295.630
7.5	290.971	289.180	286.313	285.596	285.596	285.238	284.521	284.880
10.0	281.296	278.429	274.488	270.904	269.471	268.396	267.321	268.038
12.5	270.546	265.888	259.796	255.137	252.271	249.046	249.404	250.121
15.0	256.929	249.046	241.162	233.279	229.337	225.037	225.395	226.112
17.5	240.087	228.262	218.228	207.837	201.387	195.295	194.578	195.295
20.0	218.587	203.895	190.278	179.886	172.361	165.911	163.761	163.761
22.5	192.786	178.453	166.628	155.877	149.786	145.486	142.619	141.902
25.0	169.136	157.311	147.636	140.827	136.527	134.377	132.944	132.585
27.5	152.652	144.052	137.602	133.302	130.794	130.077	130.077	129.719
30.0	142.261	136.169	132.227	130.077	130.435	130.794	131.869	131.152
32.5	134.377	131.510	130.435	131.510	133.660	135.094	136.527	136.527
35.0	127.927	128.285	129.719	132.585	135.094	137.961	140.469	140.827
37.5	123.627	125.419	128.285	131.510	134.377	137.244	139.752	140.111
40.0	118.610	121.119	125.060	129.002	132.585	136.169	139.036	139.036
42.5	112.160	116.102	122.194	127.210	131.869	135.452	137.961	138.677
45.0	106.785	112.160	118.610	122.552	126.852	130.794	133.302	134.377
47.5	100.693	105.710	110.727	115.027	117.535	121.119	122.194	122.910
50.0	93.168	96.752	99.977	102.843	103.560	106.427	106.785	106.785
52.5	82.776	85.643	87.793	88.510	88.868	89.943	90.301	89.585
55.0	72.384	74.176	74.893	74.893	74.535	75.610	76.326	74.893
57.5	61.276	61.993	62.709	62.709	63.068	63.426	63.784	63.426
60.0	52.676	52.317	53.393	53.393	53.751	54.109	53.751	53.751
62.5	44.792	44.792	44.792	44.434	43.717	43.717	43.717	43.717
65.0	37.984	36.909	34.759	32.967	32.609	31.175	31.175	31.175
67.5	29.384	26.517	22.934	19.709	15.767	9.317	7.525	7.167
70.0	18.634	13.259	6.450	3.942	2.867	1.792	1.792	1.792
72.5	5.733	2.508	1.433	1.075	0.717	0.717	0.717	0.717
75.0	1.075	0.717	0.358	0.358	0.358	0.358	0.358	0.358
77.5	0.358	0.358	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-L30-840-T3-XXX-SDGL-EM10WC-DIM-UNV_EMER MODE ONLY.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	121.77	N.A.	10.60
0-30	268.98	N.A.	23.40
0-40	465.80	N.A.	40.50
0-60	889.03	N.A.	77.30
0-80	1132.66	N.A.	98.50
0-90	1149.94	N.A.	100.00
10-90	1119.5	N.A.	97.40
20-40	344.03	N.A.	29.90
20-50	562.51	N.A.	48.90
40-70	582.54	N.A.	50.70
60-80	243.62	N.A.	21.20
70-80	84.32	N.A.	7.30
80-90	17.29	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	1149.94	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	30.44
10-20	91.33
20-30	147.22
30-40	196.81
40-50	218.48
50-60	204.75
60-70	159.31
70-80	84.32
80-90	17.29
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-L30-840-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	43	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-L30-840-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	20.1	21.8	20.5	22.1	22.5	23.6	25.3	24.0	25.6	26.0
	3H	21.0	22.5	21.4	22.9	23.2	26.4	27.9	26.8	28.2	28.6
	4H	21.2	22.7	21.6	23.0	23.4	27.3	28.7	27.7	29.1	29.5
	6H	21.3	22.7	21.8	23.1	23.4	27.8	29.2	28.2	29.5	29.9
	8H	21.4	22.7	21.8	23.0	23.4	28.0	29.2	28.4	29.6	30.0
	12H	21.4	22.6	21.8	23.0	23.4	28.0	29.3	28.5	29.6	30.1

UGR Viewed Endwise

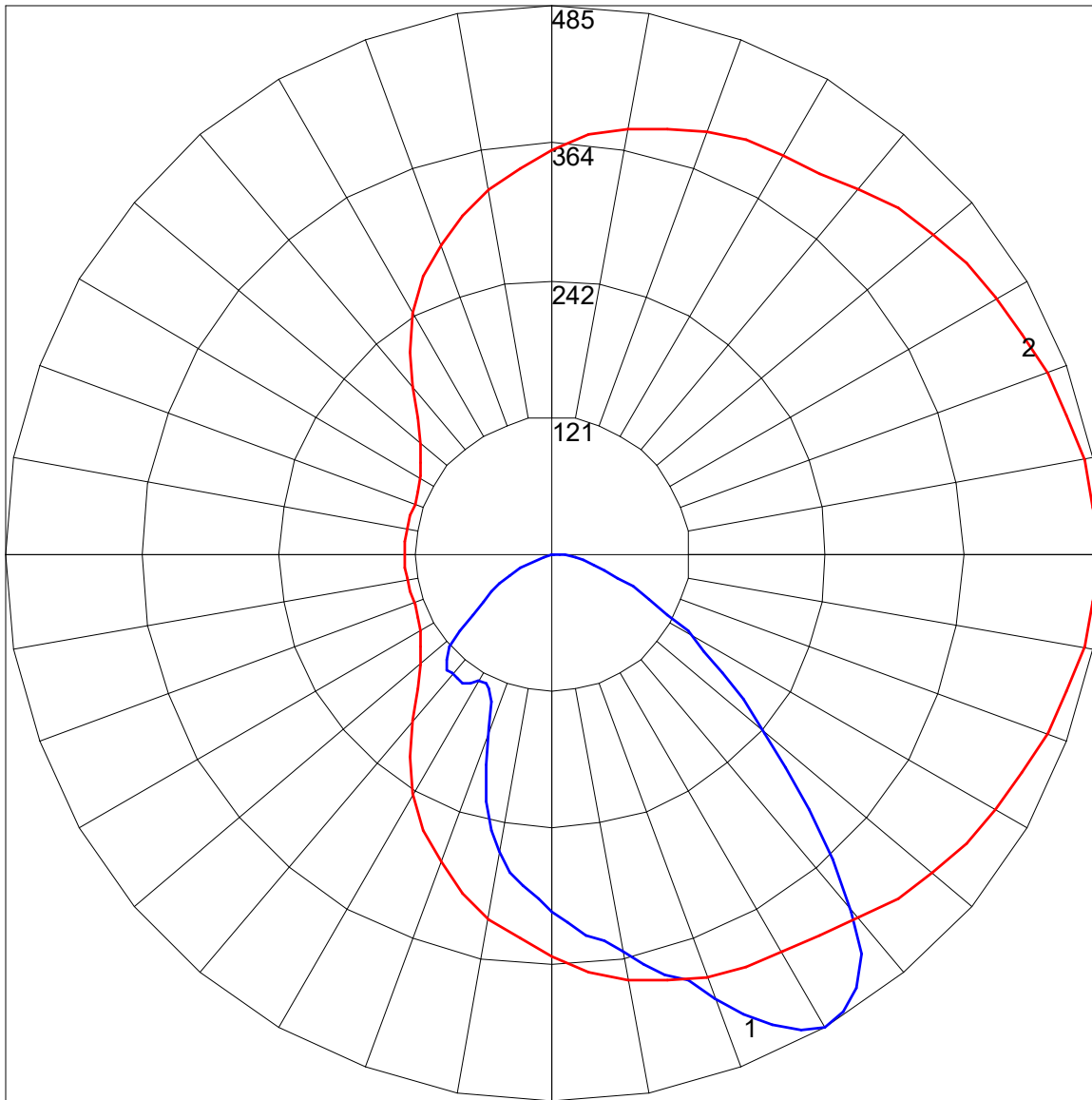
4H	2H	22.0	23.4	22.4	23.8	24.1	23.9	25.4	24.3	25.7	26.1
	3H	23.1	24.3	23.5	24.7	25.1	26.9	28.1	27.3	28.5	28.9
	4H	23.4	24.5	23.8	24.9	25.3	27.9	29.0	28.4	29.4	29.9
	6H	23.5	24.5	24.0	24.9	25.4	28.6	29.6	29.1	30.0	30.5
	8H	23.6	24.5	24.0	24.9	25.4	28.8	29.7	29.3	30.2	30.6
	12H	23.6	24.4	24.0	24.9	25.3	28.9	29.8	29.4	30.2	30.7
8H	4H	24.4	25.3	24.8	25.7	26.2	28.0	28.9	28.4	29.3	29.8
	6H	24.6	25.4	25.1	25.9	26.3	28.8	29.5	29.3	30.0	30.5
	8H	24.7	25.3	25.2	25.8	26.3	29.0	29.7	29.6	30.2	30.7
	12H	24.7	25.3	25.2	25.8	26.3	29.2	29.8	29.7	30.3	30.9
12H	4H	24.6	25.4	25.0	25.8	26.3	28.0	28.8	28.4	29.3	29.7
	6H	24.9	25.5	25.4	26.0	26.5	28.8	29.5	29.3	29.9	30.4
	8H	25.0	25.5	25.5	26.0	26.6	29.1	29.7	29.6	30.1	30.7

Maximum UGR = 30.9

IES INDOOR REPORT

PHOTOMETRIC FILENAME : VWPX-L30-840-T3-XXX-SDGL-EM10WC-DIM-UNV_EMER MODE ONLY.IES

POLAR GRAPH



Maximum Candela = 484.833 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.)