

IES INDOOR REPORT

PHOTOMETRIC FILENAME : VWPX-L30-740-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] 07-31-2024
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] VWPx-L30-740-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_SOURCETYPE] LED
[_SEARCH_APPLICATION] Outdoor
[_SEARCH_MOUNTING] Wall

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1260
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
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	13651	19026	15362
55	9714	19954	18580
65	6770	17501	21538
75	4422	13433	19900
85	2106	6814	10654

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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	347.099	347.099	347.099	347.099	347.099	347.099	347.099	347.099	347.099	347.099
2.5	357.308	358.093	357.308	359.663	359.271	358.878	358.093	356.522	355.737	355.344
5.0	372.228	372.228	372.228	373.799	373.406	372.621	371.443	369.872	368.302	367.124
7.5	378.510	378.510	378.510	379.688	378.903	377.725	376.547	376.547	376.547	376.155
10.0	391.468	391.468	391.075	391.075	389.505	388.327	387.149	386.756	385.578	384.793
12.5	407.566	408.352	407.174	406.781	405.210	404.818	403.247	402.069	400.106	398.143
15.0	422.487	423.272	422.094	420.524	418.953	418.168	416.990	417.775	416.990	413.456
17.5	435.051	435.837	434.659	432.303	429.162	427.199	426.806	428.376	427.984	426.413
20.0	459.395	459.003	456.647	453.506	449.972	444.868	440.941	438.585	436.229	434.659
22.5	485.310	485.310	482.562	478.242	473.138	468.426	463.715	455.469	448.794	443.297
25.0	505.335	505.728	502.586	497.875	492.378	485.703	480.206	472.353	465.678	455.076
27.5	522.219	522.219	519.470	513.581	506.120	500.623	493.556	485.703	477.457	471.567
30.0	531.250	530.464	527.323	523.789	516.329	510.832	502.586	496.304	490.414	482.169
32.5	526.931	526.931	524.575	521.433	518.685	514.758	509.261	504.157	499.053	490.414
35.0	513.188	512.403	510.047	509.261	508.869	509.261	507.691	508.084	503.372	496.697
37.5	491.200	490.022	488.059	489.237	490.414	493.163	498.660	502.586	504.157	499.053
40.0	452.328	451.935	453.113	455.469	461.359	469.212	482.169	493.948	501.409	500.623
42.5	403.640	405.210	405.996	410.315	423.272	434.659	457.432	479.420	492.378	496.304
45.0	351.025	354.166	356.915	364.375	377.725	394.216	423.665	455.076	477.457	488.844
47.5	306.264	307.834	310.975	319.221	332.964	353.381	385.578	422.879	453.506	475.101
50.0	269.355	270.926	271.711	279.956	294.877	316.080	349.847	387.149	423.272	453.898
52.5	233.624	235.195	235.980	245.011	259.539	281.527	315.687	353.774	391.468	425.628
55.0	202.605	204.961	205.746	213.599	228.127	248.937	284.275	323.147	358.486	391.860
57.5	175.513	177.083	177.868	184.543	197.893	219.489	251.686	290.165	323.933	355.737
60.0	150.776	151.169	151.561	157.844	170.016	190.433	221.060	256.005	287.024	316.080
62.5	126.825	126.825	128.002	134.285	144.101	165.696	192.004	222.630	250.508	278.778
65.0	104.051	104.051	105.229	112.689	121.720	141.352	164.519	190.433	214.777	240.692
67.5	84.811	84.419	85.204	92.272	101.303	118.186	138.211	162.163	182.973	204.961
70.0	67.928	67.535	68.713	74.210	81.278	96.591	114.260	133.107	152.739	171.194
72.5	53.792	53.400	54.185	58.897	65.572	77.351	91.879	109.156	124.469	139.389
75.0	41.620	41.228	41.620	45.547	50.651	60.075	72.639	85.204	97.769	109.941
77.5	30.626	30.234	30.626	33.768	37.301	44.762	54.578	63.609	73.032	83.634
80.0	21.203	20.810	21.203	23.166	25.915	31.019	38.087	44.762	51.437	58.897
82.5	12.957	12.957	12.957	14.528	16.098	19.240	23.559	28.270	32.197	36.909
85.0	6.675	6.282	6.282	7.068	8.246	9.816	12.172	14.135	16.491	18.847
87.5	1.963	1.963	1.963	2.356	2.356	2.749	3.534	4.319	5.104	5.890
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	347.099	347.099	347.099	347.099	347.099	347.099	347.099	347.099	347.099	347.099
2.5	355.737	354.559	352.596	351.418	351.418	351.025	349.455	348.669	347.491	346.313
5.0	366.731	364.768	362.019	359.663	358.486	357.700	354.952	352.988	351.025	348.669
7.5	376.547	375.369	373.799	371.050	369.480	367.909	364.768	361.627	358.878	354.952
10.0	384.007	384.007	382.830	381.652	380.474	378.510	375.762	372.228	367.516	362.805
12.5	396.965	396.179	395.002	393.431	391.075	389.112	385.578	381.652	375.369	369.480
15.0	410.315	408.352	405.603	402.462	399.713	397.357	393.824	389.505	382.437	374.977
17.5	422.879	419.738	416.597	411.885	408.744	405.996	402.069	397.357	388.327	379.296
20.0	431.910	428.769	427.984	424.450	418.560	413.456	408.352	402.462	392.253	382.044
22.5	438.193	436.622	435.837	431.518	424.450	419.346	414.634	407.959	398.928	385.971
25.0	447.223	441.726	440.156	437.800	431.910	425.628	420.131	412.671	403.640	390.682
27.5	461.359	448.794	446.046	442.119	437.407	429.554	423.665	416.204	405.603	391.468
30.0	473.138	460.966	451.543	446.831	442.904	436.622	427.591	419.738	407.566	391.468

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CANDELA TABULATION - (Cont.)

32.5	482.169	471.175	460.573	451.543	447.616	441.334	433.481	424.057	409.529	392.646
35.0	487.666	478.242	466.463	458.610	454.291	448.401	437.800	426.413	412.671	394.609
37.5	491.200	480.991	472.353	463.715	459.003	453.898	444.475	431.518	415.812	395.002
40.0	492.770	483.347	474.709	468.034	463.715	458.218	448.401	432.696	415.026	393.431
42.5	493.163	483.347	473.531	469.212	462.144	459.003	451.935	436.622	418.168	395.002
45.0	489.237	480.598	471.175	465.285	463.322	461.359	455.469	440.548	420.916	395.002
47.5	480.598	474.709	464.500	460.573	462.144	461.751	456.254	442.512	421.309	394.216
50.0	466.070	464.107	456.647	456.254	458.218	460.573	459.395	446.438	422.879	394.216
52.5	445.260	449.579	449.187	449.579	453.898	457.040	458.218	445.653	421.701	391.075
55.0	416.204	429.554	438.193	443.297	446.831	452.328	453.898	444.082	421.309	387.541
57.5	382.044	404.818	419.346	427.591	433.873	439.763	442.904	433.873	411.885	378.510
60.0	344.743	373.799	393.038	405.210	414.241	422.879	426.806	418.560	397.357	366.338
62.5	307.442	339.639	363.590	380.081	394.216	402.854	408.352	401.677	381.652	350.633
65.0	268.962	303.122	328.644	349.062	367.516	377.333	387.149	382.044	363.590	331.000
67.5	232.839	263.465	291.343	312.939	335.319	347.491	356.915	354.952	336.890	307.834
70.0	196.323	222.237	248.937	273.281	296.840	309.405	320.399	317.258	301.552	274.852
72.5	160.199	182.580	207.710	231.661	253.256	265.821	274.852	269.748	255.612	234.017
75.0	126.432	145.279	169.623	188.470	206.924	216.740	223.415	217.918	204.961	187.292
77.5	95.413	110.333	130.358	145.672	160.199	165.304	170.408	164.126	153.524	140.175
80.0	67.535	78.136	93.450	104.051	114.653	116.616	119.757	115.045	107.192	98.554
82.5	42.406	50.651	60.075	66.750	73.425	78.136	76.959	73.032	69.891	63.216
85.0	21.596	26.307	31.019	34.553	38.479	41.228	40.443	38.087	37.694	33.768
87.5	6.675	8.246	10.209	10.994	12.565	14.135	13.743	12.565	12.957	11.779
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	347.099	347.099	347.099	347.099	347.099	347.099	347.099	347.099	347.099	347.099
2.5	345.136	343.958	343.172	341.602	340.424	339.639	339.639	339.246	338.461	338.068
5.0	346.313	343.958	341.602	338.461	336.105	334.141	332.964	332.178	330.215	328.644
7.5	351.418	347.491	343.172	339.639	335.712	332.964	330.608	327.074	323.933	321.184
10.0	358.093	352.596	347.099	342.387	336.890	332.178	327.859	322.362	317.650	312.546
12.5	363.197	356.915	351.025	344.350	338.068	331.786	325.111	316.865	309.797	302.730
15.0	366.731	358.878	350.633	343.958	336.890	328.644	319.221	309.797	301.552	292.128
17.5	369.480	360.056	350.633	340.816	331.393	321.577	310.583	300.374	289.380	277.601
20.0	370.265	360.841	350.633	338.461	327.074	315.294	301.552	286.631	272.496	256.790
22.5	372.228	360.841	349.062	335.319	321.577	306.656	289.380	270.533	250.901	231.661
25.0	375.762	362.412	347.491	332.178	314.902	296.055	274.067	250.901	228.127	206.139
27.5	376.547	361.627	344.350	327.074	307.442	283.490	257.183	230.876	206.532	184.151
30.0	374.977	359.663	340.424	319.221	297.233	269.748	239.907	210.458	186.114	166.874
32.5	375.369	356.522	336.890	314.117	286.239	254.042	221.452	192.004	170.016	155.095
35.0	374.191	353.774	332.178	305.478	274.459	238.729	203.783	175.513	156.273	145.279
37.5	373.406	351.811	326.289	296.055	260.324	222.237	185.721	159.414	144.886	137.426
40.0	371.050	347.491	319.221	285.846	247.367	204.568	168.838	144.101	132.714	128.788
42.5	370.658	343.565	313.331	274.459	232.054	187.292	152.347	130.751	122.113	120.542
45.0	367.909	339.639	305.478	262.287	215.562	168.838	137.033	118.186	111.511	112.297
47.5	363.197	333.356	296.840	251.293	201.035	153.524	122.505	106.800	102.088	104.051
50.0	361.627	329.430	289.380	240.692	187.292	140.175	110.726	96.983	93.057	95.413
52.5	357.308	323.147	280.742	230.483	175.513	128.395	100.125	86.382	82.848	86.382
55.0	352.596	315.294	271.711	219.489	164.911	118.579	90.701	77.744	74.995	76.959
57.5	341.994	303.908	260.324	206.924	152.739	108.370	82.063	69.891	66.750	66.750
60.0	329.430	289.773	245.011	192.789	140.175	98.554	73.817	62.823	58.504	57.326
62.5	314.117	274.459	229.698	178.261	127.610	89.523	66.750	55.756	51.044	49.473
65.0	297.625	257.183	212.814	162.948	115.830	81.278	59.289	49.081	44.369	42.406
67.5	274.067	236.373	193.967	147.635	103.266	71.854	51.829	42.406	37.694	34.945

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CANDELA TABULATION - (Cont.)

70.0	244.226	210.065	172.371	129.180	89.916	61.645	43.976	35.338	29.841	25.129
72.5	207.317	178.654	146.457	109.548	75.388	50.651	34.553	26.307	20.025	13.743
75.0	166.482	143.316	118.186	88.345	59.682	36.909	21.203	15.313	7.068	2.749
77.5	124.076	109.941	90.701	66.750	41.228	16.491	8.246	2.749	0.785	0.393
80.0	87.560	78.136	64.394	41.620	9.031	3.141	1.178	0.393	0.393	0.000
82.5	56.541	50.259	41.228	17.669	2.749	0.785	0.393	0.393	0.000	0.000
85.0	30.234	27.093	20.025	3.926	0.785	0.393	0.393	0.393	0.000	0.000
87.5	11.387	9.423	2.749	0.393	0.393	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	347.099	347.099	347.099	347.099	347.099	347.099	347.099	347.099
2.5	337.675	338.068	337.283	337.675	338.461	337.675	336.497	335.319
5.0	327.859	327.074	325.503	325.896	326.681	325.503	325.111	323.933
7.5	318.828	316.865	313.724	312.939	312.939	312.546	311.761	312.153
10.0	308.227	305.086	300.767	296.840	295.270	294.092	292.914	293.699
12.5	296.447	291.343	284.668	279.564	276.423	272.889	273.281	274.067
15.0	281.527	272.889	264.251	255.612	251.293	246.581	246.974	247.759
17.5	263.073	250.115	239.121	227.734	220.667	213.992	213.207	213.992
20.0	239.514	223.415	208.495	197.108	188.863	181.795	179.439	179.439
22.5	211.243	195.538	182.580	170.801	164.126	159.414	156.273	155.488
25.0	185.329	172.371	161.770	154.310	149.598	147.242	145.672	145.279
27.5	167.267	157.844	150.776	146.064	143.316	142.530	142.530	142.138
30.0	155.880	149.205	144.886	142.530	142.923	143.316	144.494	143.708
32.5	147.242	144.101	142.923	144.101	146.457	148.027	149.598	149.598
35.0	140.175	140.567	142.138	145.279	148.027	151.169	153.917	154.310
37.5	135.463	137.426	140.567	144.101	147.242	150.383	153.132	153.524
40.0	129.966	132.714	137.033	141.352	145.279	149.205	152.347	152.347
42.5	122.898	127.217	133.892	139.389	144.494	148.420	151.169	151.954
45.0	117.008	122.898	129.966	134.285	138.997	143.316	146.064	147.242
47.5	110.333	115.830	121.328	126.039	128.788	132.714	133.892	134.677
50.0	102.088	106.014	109.548	112.689	113.475	116.616	117.008	117.008
52.5	90.701	93.842	96.198	96.983	97.376	98.554	98.947	98.161
55.0	79.314	81.278	82.063	82.063	81.670	82.848	83.634	82.063
57.5	67.142	67.928	68.713	68.713	69.106	69.498	69.891	69.498
60.0	57.719	57.326	58.504	58.504	58.897	59.289	58.897	58.897
62.5	49.081	49.081	49.081	48.688	47.903	47.903	47.903	47.903
65.0	41.620	40.443	38.087	36.123	35.731	34.160	34.160	34.160
67.5	32.197	29.056	25.129	21.596	17.276	10.209	8.246	7.853
70.0	20.418	14.528	7.068	4.319	3.141	1.963	1.963	1.963
72.5	6.282	2.749	1.571	1.178	0.785	0.785	0.785	0.785
75.0	1.178	0.785	0.393	0.393	0.393	0.393	0.393	0.393
77.5	0.393	0.393	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

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Zone	Lumens	%Lamp	%Fixt
0-20	133.42	N.A.	10.60
0-30	294.73	N.A.	23.40
0-40	510.39	N.A.	40.50
0-60	974.15	N.A.	77.30
0-80	1241.09	N.A.	98.50
0-90	1260.03	N.A.	100.00
10-90	1226.68	N.A.	97.40
20-40	376.97	N.A.	29.90
20-50	616.37	N.A.	48.90
40-70	638.31	N.A.	50.70
60-80	266.95	N.A.	21.20
70-80	92.39	N.A.	7.30
80-90	18.94	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	1260.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	33.35
10-20	100.07
20-30	161.31
30-40	215.66
40-50	239.40
50-60	224.35
60-70	174.56
70-80	92.39
80-90	18.94
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-L30-740-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-L30-740-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	20.4	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

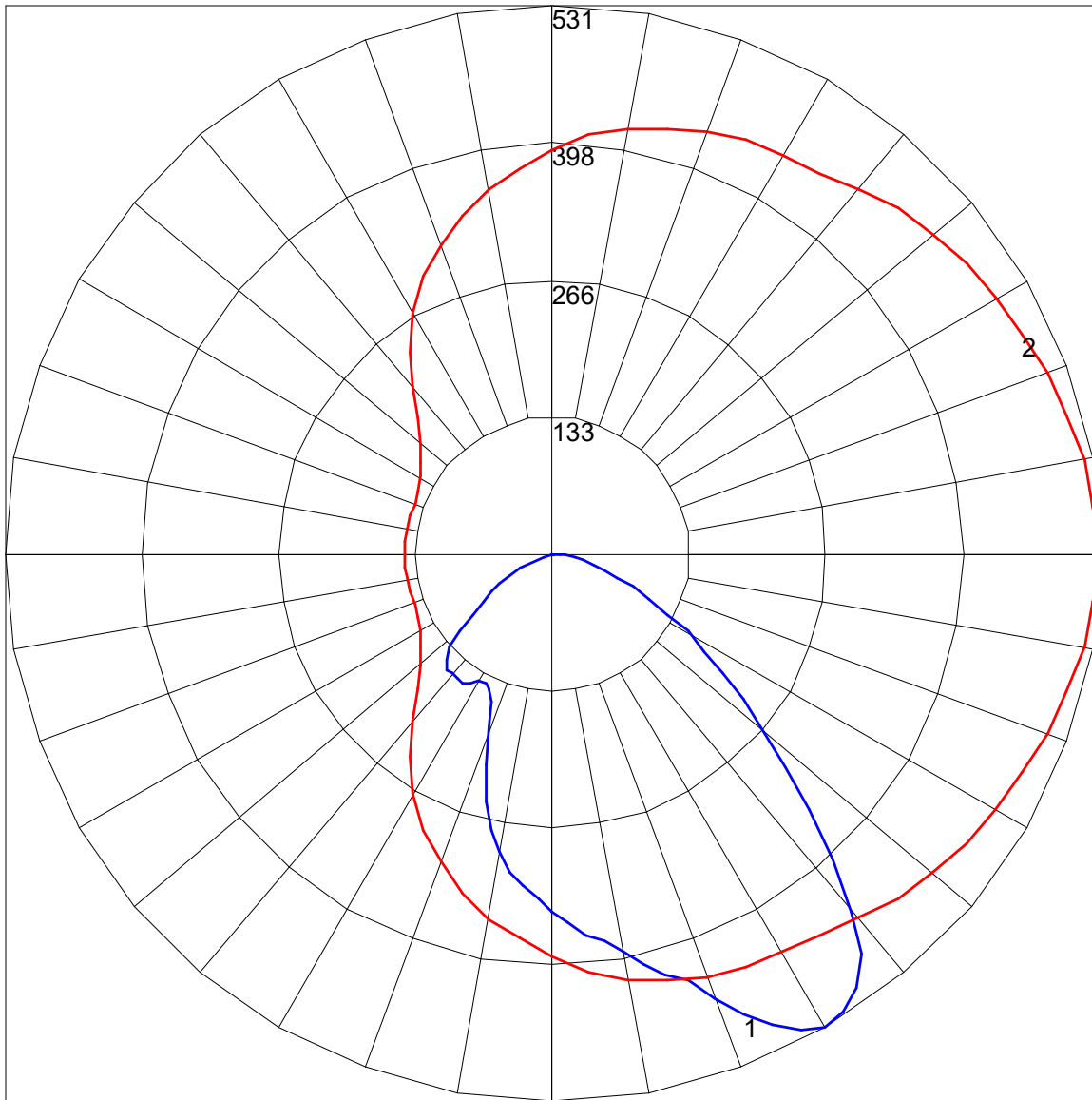
4H	2H	22.3	23.7	22.7	24.1	24.4	24.2	25.7	24.6	26.0	26.4
	3H	23.4	24.6	23.8	25.0	25.4	27.2	28.4	27.6	28.8	29.2
	4H	23.7	24.8	24.1	25.2	25.6	28.2	29.3	28.7	29.7	30.2
	6H	23.8	24.8	24.3	25.2	25.7	28.9	29.9	29.4	30.3	30.8
	8H	23.9	24.8	24.3	25.2	25.7	29.1	30.0	29.6	30.5	30.9
	12H	23.9	24.7	24.3	25.2	25.6	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-EM10WC-DIM-UNV_EMER MODE ONLY.IES

POLAR GRAPH



Maximum Candela = 531.25 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.)