



IES INDOOR REPORT

PHOTOMETRIC FILENAME : VWPX-L30-740-T3-XXX-CGL-EM4W-DIM-UNV_EM MODE ONLY.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM ATAL009827
 [TESTLAB] ATAL-LABS
 [ISSUEDATE] 03-12-2025
 [MANUFAC] H.E. WILLIAMS, INC.
 [LUMCAT] VWPX-L30-740-T3-xxx-CGL-EM4W-DIM-UNV
 [LUMINAIRE] CAST ALUMINUM LED WALL PACK
 [MORE] WITH TYPE III DISTRIBUTION AND CLEAR
 [MORE] GLASS LENS
 [LAMPCAT] X8-LUXEON M
 [LAMP] 8 WHITE 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	514
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.86
Spacing Criterion (90-270)	1.70
Spacing Criterion (Diagonal)	1.64
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	5286	7561	5774
55	3939	9434	7595
65	2445	7632	10956
75	920	4810	13704
85	273	1120	1202

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CANDELA TABULATION

	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>15.0</u>	<u>25.0</u>	<u>35.0</u>	<u>45.0</u>	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>
0.0	131.841	131.841	131.841	131.841	131.841	131.841	131.841	131.841	131.841	131.841
2.5	136.083	136.516	137.208	136.689	136.602	135.910	135.217	134.265	134.092	132.966
5.0	139.892	140.411	141.017	140.671	140.584	140.065	139.372	138.593	138.334	136.429
7.5	142.922	143.441	143.787	143.528	143.354	143.528	143.181	142.835	142.835	140.671
10.0	148.202	148.635	148.808	148.375	147.856	147.769	147.163	146.817	147.336	145.086
12.5	153.829	154.089	154.089	154.089	154.002	154.002	152.617	151.232	151.578	149.154
15.0	154.954	155.214	155.301	156.166	157.638	159.369	158.677	156.513	155.560	152.444
17.5	155.560	155.474	155.560	155.907	157.638	161.101	162.745	161.707	159.110	155.127
20.0	163.265	163.265	163.265	161.187	159.715	160.754	163.784	165.429	162.486	157.465
22.5	178.847	177.981	177.202	172.008	166.468	162.572	162.745	166.901	165.169	159.975
25.0	193.303	192.438	191.139	183.262	174.692	167.160	162.572	166.121	167.247	161.620
27.5	202.653	202.220	201.094	191.659	181.271	172.700	164.909	164.909	168.459	162.918
30.0	209.318	208.626	207.067	197.112	186.118	177.548	168.718	165.256	169.238	163.871
32.5	212.088	211.223	209.058	200.402	190.706	182.050	172.874	167.160	169.411	164.650
35.0	212.261	211.482	209.491	202.047	194.515	186.811	177.029	169.498	169.930	166.208
37.5	209.232	209.058	207.154	202.047	198.584	191.745	181.011	170.363	170.623	167.680
40.0	197.112	195.900	194.602	196.333	200.056	197.285	185.080	170.796	171.402	170.363
42.5	168.372	166.814	166.035	175.903	196.333	203.259	189.927	171.575	171.489	174.259
45.0	135.910	134.265	134.005	143.874	179.972	206.461	194.429	172.874	171.835	177.981
47.5	113.835	112.796	112.796	120.587	147.596	204.384	199.103	174.345	172.095	181.790
50.0	101.370	100.504	100.504	107.689	129.417	194.169	204.384	175.730	172.960	184.906
52.5	90.982	90.202	90.376	97.387	122.405	167.593	205.250	179.453	176.336	188.023
55.0	82.152	81.632	82.238	88.904	117.471	155.041	196.766	187.244	179.539	191.832
57.5	76.352	76.179	76.438	82.758	112.883	147.596	175.903	195.641	183.435	192.438
60.0	68.561	68.215	67.868	73.755	105.525	137.295	156.772	199.103	183.868	190.793
62.5	55.230	54.797	54.450	60.337	91.934	123.011	138.074	193.650	179.972	188.802
65.0	37.570	37.310	36.964	44.236	74.101	104.659	117.298	179.886	177.635	191.485
67.5	20.343	20.430	21.209	27.182	54.883	85.961	98.859	155.214	179.799	194.429
70.0	14.716	14.803	15.149	20.430	40.686	67.003	81.113	131.668	185.685	195.900
72.5	11.254	11.254	11.686	15.582	31.337	50.382	63.021	108.901	181.963	185.166
75.0	8.657	8.570	8.830	11.600	23.633	34.886	45.274	81.026	162.139	156.859
77.5	6.060	5.973	6.233	7.878	16.794	23.027	30.385	52.459	129.157	112.104
80.0	3.636	3.549	3.722	4.675	10.561	14.630	17.660	34.886	66.050	52.459
82.5	1.904	1.818	1.904	2.251	5.367	8.051	8.397	22.854	23.806	19.218
85.0	0.866	0.779	0.866	1.039	2.164	3.636	3.549	10.128	7.445	7.445
87.5	0.260	0.260	0.260	0.346	0.606	0.866	1.125	2.251	1.991	2.251
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>85.0</u>	<u>90.0</u>	<u>95.0</u>	<u>105.0</u>	<u>115.0</u>	<u>125.0</u>	<u>135.0</u>	<u>145.0</u>	<u>155.0</u>	<u>165.0</u>
0.0	131.841	131.841	131.841	131.841	131.841	131.841	131.841	131.841	131.841	131.841
2.5	132.101	131.581	131.235	130.543	130.196	129.071	128.465	128.119	127.859	127.340
5.0	134.871	133.832	132.966	131.062	129.417	126.474	124.483	122.752	121.453	120.328
7.5	138.680	137.208	135.737	132.447	129.417	125.089	121.713	118.943	116.692	115.220
10.0	142.489	140.671	138.680	134.005	129.763	124.569	120.328	117.038	114.268	112.450
12.5	145.692	143.354	141.017	135.131	130.110	124.310	120.155	116.086	112.017	108.381
15.0	148.289	145.519	142.316	135.477	129.590	124.137	119.722	113.402	106.737	100.764
17.5	150.280	146.904	142.922	134.871	128.465	123.271	117.125	107.602	97.561	87.173
20.0	151.665	147.683	142.922	133.572	126.993	121.280	112.017	97.820	80.247	61.982
22.5	152.877	148.289	143.095	132.534	125.868	117.644	104.140	81.200	55.316	44.149
25.0	154.348	149.154	143.268	132.014	124.396	112.537	91.761	57.567	44.495	43.024
27.5	155.214	149.674	143.354	131.754	122.752	105.784	74.534	46.833	45.015	47.179
30.0	155.733	149.847	142.748	131.062	120.328	96.868	56.441	46.053	48.997	52.027

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CANDELA TABULATION - (Cont.)

32.5	155.993	149.414	141.623	129.850	116.952	85.355	49.689	48.477	52.892	55.489
35.0	155.647	148.375	139.978	128.551	112.710	73.409	49.603	50.468	53.844	53.844
37.5	155.820	147.510	138.334	126.647	107.170	61.376	49.083	50.295	50.815	51.161
40.0	156.686	147.423	137.295	124.223	99.725	51.594	47.006	47.179	47.785	51.767
42.5	158.157	147.683	136.516	121.107	91.328	44.149	42.071	44.495	50.122	62.328
45.0	160.408	148.462	136.256	118.250	81.200	37.570	36.877	42.071	59.212	68.474
47.5	163.438	150.453	137.295	116.086	72.110	30.991	31.770	49.170	62.934	70.638
50.0	167.247	152.704	138.507	114.441	65.185	25.797	28.827	52.719	56.095	52.200
52.5	170.017	154.608	139.805	114.008	62.068	22.680	29.779	39.301	29.606	27.009
55.0	175.124	158.417	142.835	114.874	60.597	20.430	23.113	22.594	19.910	19.131
57.5	181.703	162.918	144.913	113.922	57.047	18.958	17.486	17.660	17.227	16.275
60.0	182.915	165.429	147.423	111.758	52.459	17.486	15.322	15.236	15.409	14.976
62.5	185.339	165.429	146.471	105.698	48.304	15.928	13.937	13.158	13.764	13.245
65.0	191.053	168.372	146.211	100.590	43.456	14.283	12.206	11.254	10.475	11.081
67.5	199.623	173.826	150.626	102.235	39.215	12.812	9.609	7.704	6.492	5.887
70.0	203.345	175.297	151.665	105.265	35.233	10.907	6.492	3.636	1.645	0.346
72.5	190.879	162.918	140.238	99.379	30.558	8.137	3.290	0.693	0.260	0.260
75.0	151.838	128.984	110.372	83.970	21.901	4.761	0.606	0.260	0.173	0.173
77.5	86.913	73.409	61.722	58.865	10.648	1.385	0.173	0.173	0.087	0.087
80.0	32.030	26.836	20.430	24.239	3.463	0.260	0.087	0.087	0.087	0.087
82.5	11.600	9.436	7.531	6.492	0.952	0.087	0.087	0.087	0.087	0.000
85.0	4.415	3.809	3.116	1.818	0.173	0.087	0.087	0.087	0.087	0.087
87.5	1.298	1.212	1.039	0.260	0.087	0.087	0.087	0.087	0.087	0.087
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>175.0</u>	<u>180.0</u>
0.0	131.841	131.841
2.5	127.946	127.772
5.0	120.674	120.674
7.5	115.134	115.913
10.0	112.017	112.969
12.5	106.996	108.122
15.0	98.167	98.167
17.5	82.152	80.853
20.0	54.710	52.892
22.5	42.071	42.158
25.0	43.283	43.283
27.5	48.044	48.044
30.0	52.979	52.979
32.5	56.009	56.009
35.0	53.671	53.498
37.5	51.421	51.334
40.0	57.480	57.307
42.5	66.829	66.743
45.0	72.110	72.023
47.5	72.716	73.322
50.0	47.785	49.343
52.5	26.663	27.442
55.0	18.785	19.045
57.5	15.842	15.842
60.0	14.716	14.630
62.5	13.937	14.024
65.0	13.072	13.418
67.5	3.809	2.597

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70.0	0.260	0.260
72.5	0.260	0.260
75.0	0.173	0.173
77.5	0.087	0.000
80.0	0.000	0.000
82.5	0.000	0.000
85.0	0.000	0.087
87.5	0.087	0.000
90.0	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : VWPX-L30-740-T3-XXX-CGL-EM4W-DIM-UNV_EM MODE ONLY.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	51.13	N.A.	10.00
0-30	111.16	N.A.	21.60
0-40	192.75	N.A.	37.50
0-60	377.87	N.A.	73.60
0-80	508.77	N.A.	99.10
0-90	513.60	N.A.	100.00
10-90	500.91	N.A.	97.50
20-40	141.62	N.A.	27.60
20-50	235.50	N.A.	45.90
40-70	266.48	N.A.	51.90
60-80	130.90	N.A.	25.50
70-80	49.54	N.A.	9.60
80-90	4.84	N.A.	0.90
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	513.60	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	12.69
10-20	38.44
20-30	60.03
30-40	81.59
40-50	93.88
50-60	91.23
60-70	81.36
70-80	49.54
80-90	4.84
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	108	103	98	94	105	101	96	93	96	93	90	92	90	87	89	87	84	82
2	97	88	81	75	94	86	80	74	83	77	72	79	75	70	76	72	69	67
3	88	77	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	55
4	80	67	58	50	77	66	57	50	63	55	49	61	54	49	58	53	48	46
5	73	59	50	43	71	58	49	42	56	48	42	54	47	41	52	46	41	39
6	67	53	43	37	65	52	43	37	50	42	36	48	41	36	47	40	35	33
7	62	48	38	32	60	47	38	32	45	37	32	44	37	31	42	36	31	29
8	57	43	34	28	56	43	34	28	41	33	28	40	33	28	39	32	28	26
9	54	39	31	25	52	39	31	25	38	30	25	37	30	25	36	29	25	23
10	50	36	28	23	49	36	28	22	35	27	22	34	27	22	33	27	22	20

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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	17.8	19.5	18.2	19.8	20.2	21.1	22.9	21.5	23.2	23.5
	3H	18.0	19.6	18.4	19.9	20.3	25.2	26.7	25.5	27.1	27.4
	4H	18.1	19.6	18.5	19.9	20.3	26.7	28.2	27.1	28.6	28.9
	6H	18.1	19.5	18.5	19.8	20.2	27.1	28.5	27.5	28.9	29.3
	8H	18.1	19.4	18.5	19.8	20.2	27.1	28.5	27.6	28.8	29.2
	12H	18.0	19.3	18.5	19.7	20.1	27.1	28.4	27.5	28.8	29.2

UGR Viewed Endwise

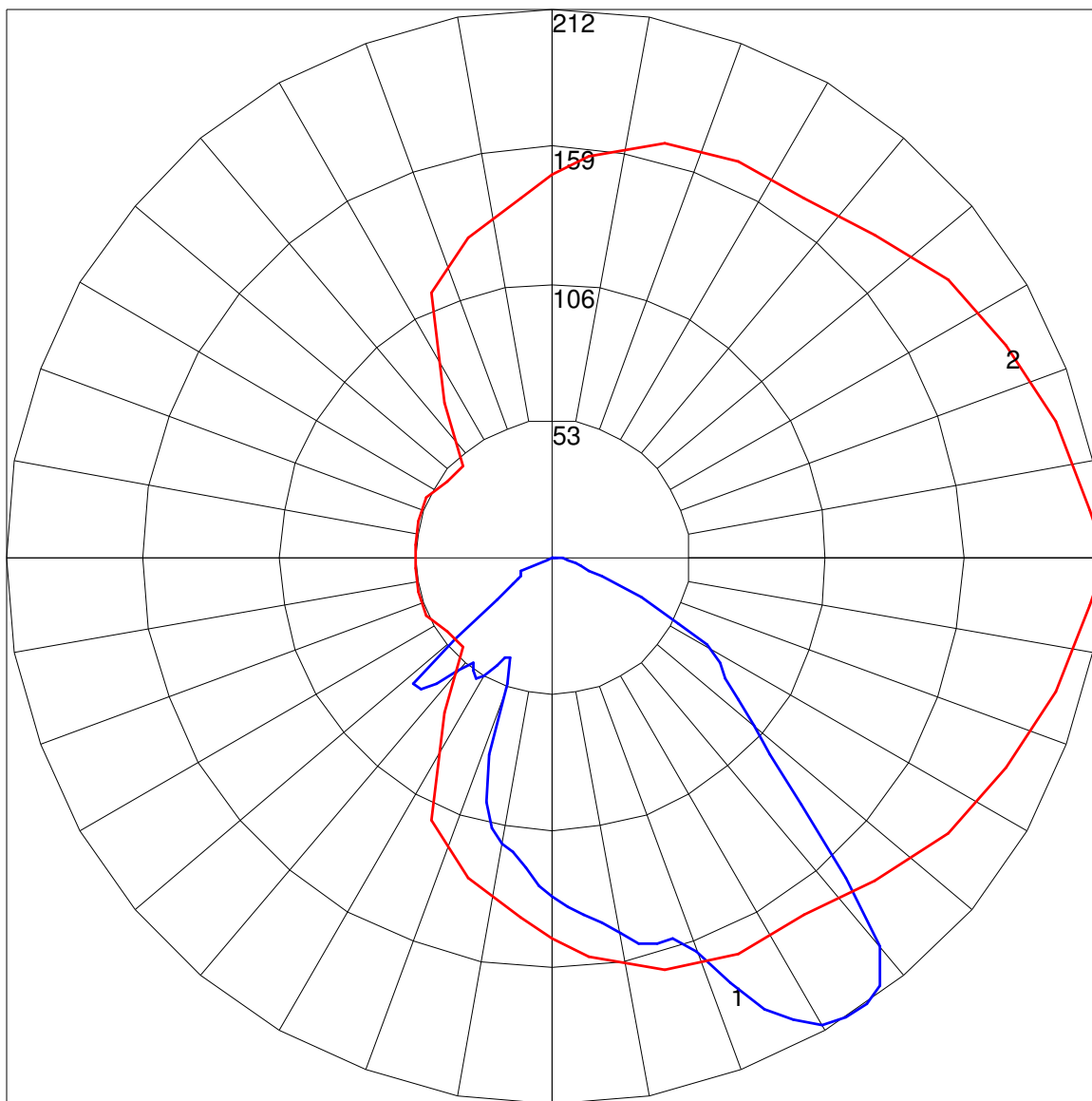
4H	2H	19.6	21.1	20.0	21.5	21.8	21.4	22.9	21.8	23.3	23.7
	3H	20.3	21.6	20.7	22.0	22.4	25.7	27.0	26.1	27.3	27.7
	4H	20.4	21.6	20.9	22.0	22.4	27.5	28.7	28.0	29.1	29.5
	6H	20.5	21.5	20.9	21.9	22.3	28.1	29.1	28.6	29.6	30.0
	8H	20.4	21.4	20.9	21.8	22.3	28.1	29.1	28.6	29.5	30.0
	12H	20.4	21.3	20.9	21.7	22.2	28.1	29.0	28.6	29.4	29.9
8H	4H	21.9	22.8	22.3	23.3	23.7	27.5	28.5	28.0	28.9	29.4
	6H	22.0	22.7	22.4	23.2	23.7	28.2	29.0	28.7	29.5	29.9
	8H	21.9	22.6	22.4	23.1	23.6	28.2	28.9	28.7	29.4	29.9
	12H	21.9	22.5	22.4	23.0	23.6	28.2	28.8	28.7	29.3	29.9
12H	4H	22.2	23.0	22.7	23.5	24.0	27.5	28.4	28.0	28.8	29.3
	6H	22.3	23.0	22.8	23.4	23.9	28.2	28.9	28.7	29.3	29.9
	8H	22.3	22.9	22.8	23.4	23.9	28.2	28.8	28.7	29.3	29.9

Maximum UGR = 30.0

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POLAR GRAPH



Maximum Candela = 212.261 Located At Horizontal Angle = 0, Vertical Angle = 35

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)