



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VWIFHB-LED124DMVFR50.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST]BALLABS TEST NO. 18102.0  
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC  
 [ISSUE DATE] 02-MAY-2014  
 [MANUFAC] MOBERN LIGHTING COMPANY  
 [LUMINAIRE] 4-(96LED) 22"BOARDS 4'ENCLOSED/GASKETED LUMINAIRE  
 [MORE] WHITE REFLECTOR & FROSTED ACRYLIC DROP LENS  
 [MORE] 2 ULT DRIVERS #D21CC80UNVTZ-D MOUNTED TO ALUM HEATSINK  
 [LUMCAT] VWIFHB-LED124DMVFR50  
 [LAMPCAT] M10CC850D96N2S

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	15027
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	124
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.30
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.25 ft
Luminous Width (90-270)	1.15 ft
Luminous Height	0.27 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9869	8583	8251
55	8446	7049	7090
65	6938	5764	6213
75	5142	4491	5141
85	3160	3256	4019

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VWIFHB-LED124DMVFR50.IES**

**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	5541.961	5541.961	5541.961	5541.961	5541.961
<b>5</b>	5496.514	5491.557	5491.557	5486.599	5484.946
<b>10</b>	5436.195	5429.585	5427.932	5424.627	5422.974
<b>15</b>	5199.875	5198.222	5193.264	5188.306	5188.306
<b>20</b>	5168.475	5160.212	5150.297	5143.686	5137.076
<b>25</b>	4703.271	4698.313	4688.398	4685.093	4674.351
<b>30</b>	4324.828	4316.565	4304.997	4293.429	4276.077
<b>35</b>	4013.315	4006.705	3993.484	3970.348	3956.301
<b>40</b>	3593.557	3586.947	3562.984	3529.932	3508.449
<b>45</b>	3362.194	3360.542	3332.448	3287.002	3267.171
<b>50</b>	2855.676	2855.676	2830.060	2811.882	2811.882
<b>55</b>	2393.777	2398.734	2386.340	2430.134	2464.012
<b>60</b>	1907.915	1921.136	1938.488	2045.080	2088.874
<b>65</b>	1509.641	1536.082	1605.491	1744.309	1792.234
<b>70</b>	1127.893	1165.076	1282.410	1442.711	1488.157
<b>75</b>	746.144	799.854	943.629	1091.536	1134.503
<b>80</b>	453.636	522.218	682.520	827.121	863.478
<b>85</b>	215.663	289.203	440.415	557.749	587.496
<b>90</b>	110.724	158.649	266.067	334.649	352.828
<b>95</b>	63.625	115.681	200.790	239.626	246.236
<b>100</b>	66.930	102.461	164.433	194.179	197.485
<b>105</b>	65.277	90.066	143.775	171.043	176.001
<b>110</b>	0.000	78.498	128.902	156.996	169.390
<b>115</b>	0.000	66.930	115.681	145.428	153.691
<b>120</b>	0.000	57.014	104.113	133.860	143.775
<b>125</b>	0.000	47.099	90.066	120.639	128.902
<b>130</b>	0.000	0.000	76.845	104.113	115.681
<b>135</b>	0.000	0.000	63.625	88.414	96.677
<b>140</b>	0.000	0.000	52.057	71.888	81.803
<b>145</b>	0.000	0.000	0.000	66.930	71.888
<b>150</b>	0.000	0.000	0.000	53.709	53.709
<b>155</b>	0.000	0.000	0.000	50.404	47.099
<b>160</b>	0.000	0.000	0.000	0.000	0.000
<b>165</b>	0.000	0.000	0.000	0.000	0.000
<b>170</b>	0.000	0.000	0.000	0.000	0.000
<b>175</b>	0.000	0.000	0.000	0.000	0.000
<b>180</b>	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VWIFHB-LED124DMVFR50.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2005.1	N.A.	13.30
0-30	4175.54	N.A.	27.80
0-40	6655.78	N.A.	44.30
0-60	11328.13	N.A.	75.40
0-80	13967.47	N.A.	92.90
0-90	14448.42	N.A.	96.10
10-90	13925.97	N.A.	92.70
20-40	4650.68	N.A.	30.90
20-50	7168.84	N.A.	47.70
40-70	6292.79	N.A.	41.90
60-80	2639.34	N.A.	17.60
70-80	1018.9	N.A.	6.80
80-90	480.95	N.A.	3.20
90-110	343.65	N.A.	2.30
90-120	444.61	N.A.	3.00
90-130	514.93	N.A.	3.40
90-150	571.94	N.A.	3.80
90-180	578.77	N.A.	3.90
110-180	235.12	N.A.	1.60
0-180	15027.19	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	522.46
10-20	1482.65
20-30	2170.43
30-40	2480.24
40-50	2518.16
50-60	2154.19
60-70	1620.44
70-80	1018.9
80-90	480.95
90-100	205.12
100-110	138.53
110-120	100.96
120-130	70.32
130-140	39.09
140-150	17.92
150-160	6.83
160-170	0.00
170-180	0.00

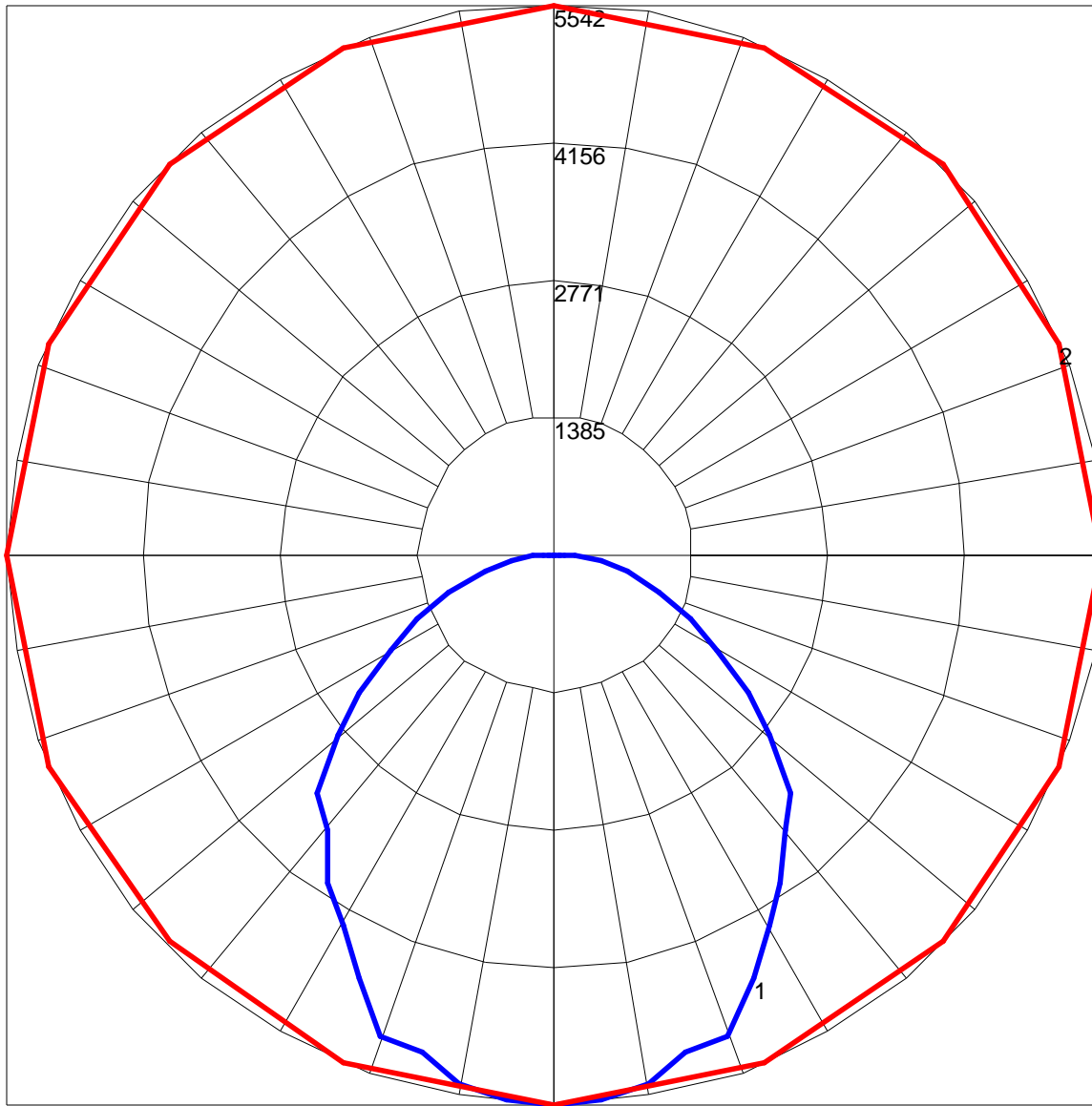
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VWIFHB-LED124DMVFR50.IES**

**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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	107	103	98	94	104	100	96	92	95	92	89	90	88	85	86	84	82	80
2	98	89	83	77	95	87	81	76	83	78	73	79	75	71	76	72	69	67
3	89	79	71	64	86	77	69	63	73	67	62	70	65	60	67	63	59	56
4	82	70	61	55	79	68	60	54	65	58	53	63	57	52	60	55	51	48
5	75	63	54	47	73	61	53	47	59	51	46	56	50	45	54	49	44	42
6	70	57	48	41	68	55	47	41	53	46	40	51	45	40	49	43	39	37
7	65	51	43	37	63	50	42	36	48	41	36	47	40	35	45	39	35	33
8	60	47	39	33	59	46	38	33	44	37	32	43	36	32	41	36	31	29
9	56	43	35	30	55	42	35	29	41	34	29	40	33	29	38	33	28	26
10	53	40	32	27	51	39	32	27	38	31	26	37	30	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 5541.961 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)