



IES INDOOR REPORT

PHOTOMETRIC FILENAME : RAVB24-LED75DMV40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]RAVB24-LED75DMV40
 [TESTLAB]Radiant Vision Systems ProSource
 [ISSUE DATE]11/29/2018
 [TEST DATE]08-Aug-2018 06:39:34
 [MANUFAC]Mobern Lighting Co.
 [BALLAST] ULT D21CC80UNVPW-C @ 1550mA
 [LAMP]4 of M10CC840D56N2AM50C Modules
 [MORE]Data Extrapolated from Previous Testing

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8029
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	75
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3580	3524	3564
55	3453	3380	3409
65	3262	3124	3177
75	2878	2797	2882
85	2890	2388	2679

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RAVB24-LED75DMV40.IES

CANDELA TABULATION

	<u>0</u>	<u>10</u>	<u>20</u>	<u>30</u>	<u>40</u>	<u>50</u>	<u>60</u>	<u>70</u>	<u>80</u>	<u>90</u>
0	2884.227	2884.227	2884.227	2884.227	2884.227	2884.227	2884.227	2884.227	2884.227	2884.227
3	2872.976	2873.681	2872.412	2871.973	2868.412	2864.485	2861.556	2858.813	2856.635	2856.352
6	2846.827	2848.095	2847.918	2842.039	2833.457	2824.433	2817.094	2809.270	2804.656	2802.842
9	2815.607	2813.952	2809.132	2797.789	2789.322	2781.823	2774.307	2769.790	2768.419	2768.575
12	2774.053	2766.973	2756.952	2750.651	2751.698	2746.161	2739.314	2736.951	2740.285	2743.096
15	2717.900	2707.823	2704.610	2704.920	2711.307	2710.767	2703.038	2704.141	2706.991	2706.206
18	2661.219	2657.215	2647.917	2652.696	2658.637	2658.670	2652.758	2662.747	2666.744	2655.847
21	2615.119	2609.071	2590.009	2584.657	2593.407	2587.708	2585.091	2606.768	2608.924	2595.221
24	2560.851	2553.898	2519.185	2494.729	2518.049	2518.577	2509.689	2534.227	2537.419	2529.631
27	2480.009	2480.888	2441.143	2417.675	2442.597	2448.586	2440.904	2453.527	2459.899	2462.315
30	2386.175	2392.518	2364.183	2346.309	2352.899	2358.549	2364.183	2375.785	2377.582	2386.264
33	2295.634	2291.699	2275.235	2271.406	2263.833	2269.187	2275.778	2284.521	2283.837	2295.209
36	2203.331	2183.018	2162.347	2181.286	2163.698	2178.416	2176.655	2182.655	2183.301	2195.319
39	2101.450	2084.045	2055.436	2061.354	2055.566	2082.727	2067.658	2081.128	2085.927	2093.718
42	1993.315	1983.553	1941.230	1952.729	1960.018	1977.553	1971.957	1972.942	1982.506	1988.052
45	1883.124	1865.279	1820.144	1845.529	1853.276	1854.016	1862.978	1862.822	1872.147	1874.690
48	1767.841	1736.638	1706.144	1732.960	1733.576	1723.125	1737.866	1743.928	1754.834	1754.265
51	1644.162	1614.494	1582.460	1607.889	1611.980	1603.414	1618.733	1615.520	1635.689	1628.542
54	1516.094	1486.744	1475.050	1462.247	1484.897	1484.998	1492.508	1498.042	1500.621	1498.945
57	1387.748	1352.321	1342.970	1339.185	1359.862	1352.849	1360.357	1373.591	1366.422	1366.496
60	1256.848	1210.659	1197.859	1208.636	1214.710	1212.509	1213.126	1232.873	1230.483	1230.593
63	1120.260	1068.298	1068.738	1073.369	1064.142	1075.089	1081.573	1089.630	1100.291	1091.205
66	978.285	922.061	914.898	940.885	936.044	940.425	953.278	949.511	966.098	952.664
69	832.874	777.918	777.818	787.514	799.273	796.836	814.271	814.926	826.254	818.716
72	689.683	638.407	651.758	650.522	673.795	665.520	676.701	685.126	691.554	687.043
75	554.205	506.309	519.483	519.289	537.581	539.608	539.219	549.821	556.311	554.927
78	427.918	380.816	392.020	401.277	407.897	408.891	419.325	417.024	426.623	425.101
81	326.406	278.477	297.808	309.889	312.600	313.797	322.081	322.143	315.907	317.830
84	222.445	180.030	173.808	197.706	183.337	193.452	207.476	204.698	206.733	208.713
87	117.271	81.293	74.853	82.724	85.429	89.904	93.651	84.503	100.757	103.642
90	39.796	17.895	15.514	16.845	13.101	15.788	15.378	12.502	17.564	21.812
93	2.614	10.983	4.791	7.505	2.156	0.280	0.301	0.894	0.266	0.186
96	0.165	7.287	3.319	2.531	0.608	0.431	0.224	0.103	0.018	0.032
99	0.068	5.452	2.218	1.496	0.271	0.416	0.711	0.504	0.009	0.000
102	0.000	5.744	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	5.334	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
108	0.000	4.466	0.413	0.000	0.000	0.000	0.000	0.000	0.000	0.000
111	0.000	1.820	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
114	0.000	2.038	0.395	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117	0.000	2.717	0.381	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	2.457	0.372	0.000	0.000	0.000	0.000	0.000	0.000	0.000
123	0.000	1.687	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
126	0.000	1.021	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
129	0.000	0.448	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132	0.000	0.419	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.516	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
138	0.000	1.460	0.339	0.000	0.000	0.000	0.000	0.000	0.000	0.000
141	0.000	0.419	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
144	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
153	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
156	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
159	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RAVB24-LED75DMV40.IES

CANDELA TABULATION - (Cont.)

162	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
168	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
171	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
174	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RAVB24-LED75DMV40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	844.93	N.A.	10.50
0-30	2186.41	N.A.	27.20
0-40	3427.01	N.A.	42.70
0-60	6292.21	N.A.	78.40
0-80	7759.45	N.A.	96.60
0-90	8022.65	N.A.	99.90
10-90	7803.84	N.A.	97.20
20-40	2582.08	N.A.	32.20
20-50	3876.27	N.A.	48.30
40-70	3763.21	N.A.	46.90
60-80	1467.23	N.A.	18.30
70-80	569.22	N.A.	7.10
80-90	263.21	N.A.	3.30
90-110	5.29	N.A.	0.10
90-120	5.67	N.A.	0.10
90-130	5.80	N.A.	0.10
90-150	5.88	N.A.	0.10
90-180	5.88	N.A.	0.10
110-180	0.59	N.A.	0.00
0-180	8028.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	218.81
10-20	626.12
20-30	1341.47
30-40	1240.6
40-50	1294.19
50-60	1571.01
60-70	898.00
70-80	569.22
80-90	263.21
90-100	4.61
100-110	0.68
110-120	0.37
120-130	0.13
130-140	0.05
140-150	0.03
150-160	0.00
160-170	0.00
170-180	0.00

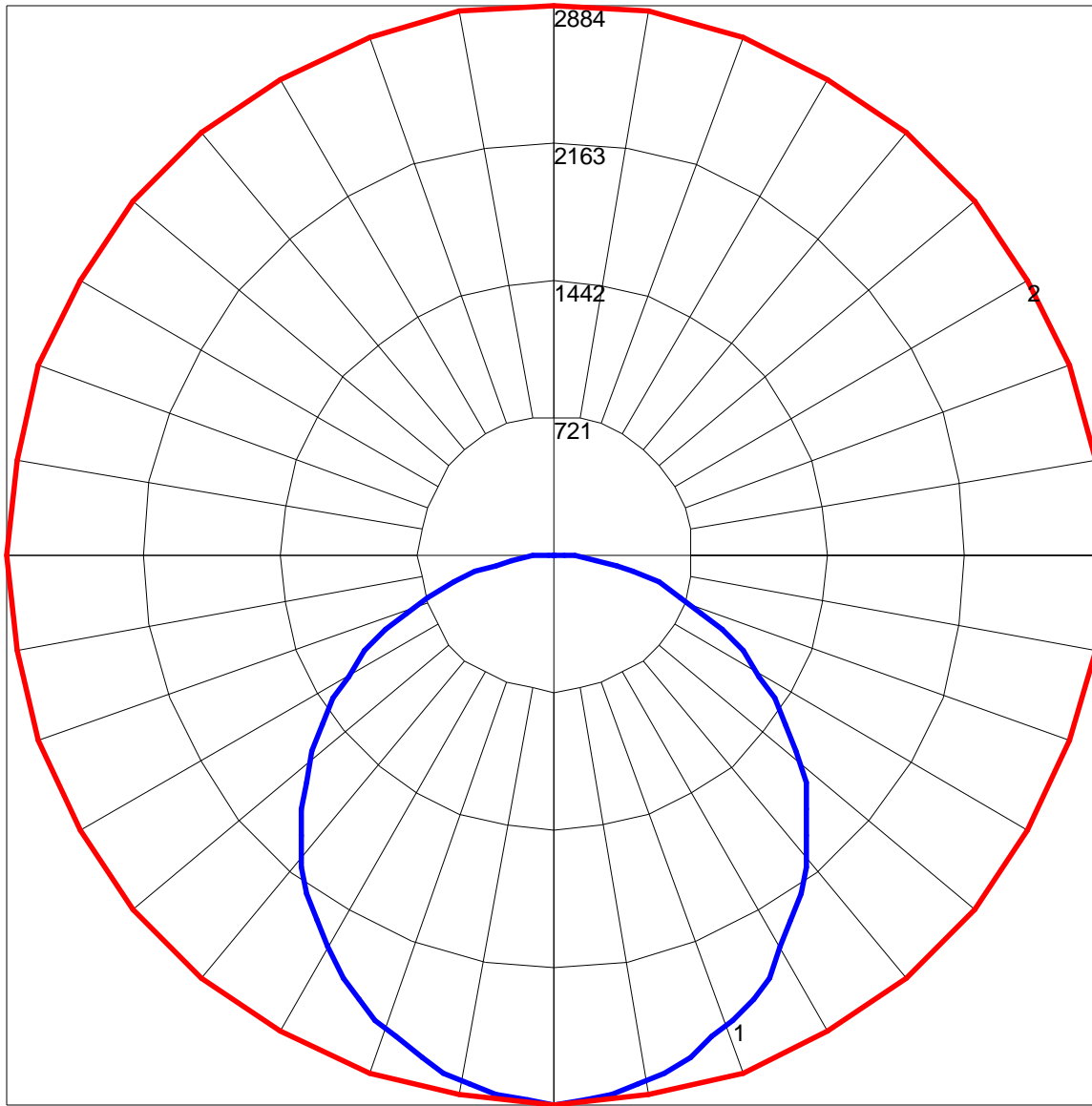
IES INDOOR REPORT
PHOTOMETRIC FILENAME : RAVB24-LED75DMV40.IES

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	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	97	93	96	93	90	92	90	87	89	87	84	82
2	98	89	82	76	95	88	81	75	84	78	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	53	65	58	52	63	56	51	61	55	51	48
5	75	62	52	45	73	60	52	45	58	51	45	56	49	44	54	48	44	42
6	69	55	46	39	67	54	46	39	52	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	38	34	32
8	59	45	37	31	58	45	36	31	43	36	31	42	35	30	41	35	30	28
9	55	42	33	28	54	41	33	28	40	33	27	39	32	27	38	32	27	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23

POLAR GRAPH



Maximum Candela = 2884.227 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.)