



IES INDOOR REPORT

PHOTOMETRIC FILENAME : HBIA24-LED175DMV35- LLIA000974-003.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLIA000974-003A
 [TESTLAB] LightLab International Allentown, LLC
 [MANUFAC] Mobern Lighting Co., 8200 Stayton Drive, Jessup, MD 20794, USA
 [LUMCAT] HBIA24-LED175DMV35
 [LUMINAIRE] Catalog Number: HBIA24-LED175DMV35
 [MORE] Pendant/surface mounted, formed steel housing, formed
 [MORE] aluminum LED mounting plates, no enclosure.
 [MORE] 624 white LEDs, four ULT Everline M18CC835D156N2S50C LED boards with 156 LEDs each.
 [MORE] Two ULT Everline D23CC90UNVTW-F LED drivers each set at 2040mA
 [MORE] 120.0Vac, 60.00Hz, 1.461A, 174.8W, 0.997PF, 5.8%THD(i)
 [OTHER] Absolute test - lamp lumens value set to -1
 [MORE] NA conventions used for C0 plane alignment and C-plane rotation direction.
 [MORE] The sample was tested at a distance of 9.5m.
 [MORE] This IES file created by LightLab/LSA Report program version 3.820a.
 [DATE] This file created: Thursday, April 26, 2018 2:06:17 PM
 [ISSUE DATE] Thursday, April 26, 2018 2:06:17 PM

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	23457
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	174.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.58 m
Luminous Width (90-270)	0.48 m
Luminous Height	0.02 m

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	28547	28096	28337
55	26937	26461	27003
65	23997	23784	19572
75	18148	9491	1315
85	6318	497	361

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	8323.02	8323.02	8323.02	8323.02	8323.02
0.5	8352.22	8341.52	8279.00	8316.48	8355.98
1.0	8350.90	8341.01	8278.33	8315.95	8355.22
1.5	8349.01	8339.49	8277.23	8314.80	8354.53
2.0	8346.35	8337.39	8275.53	8313.14	8353.37
2.5	8343.39	8334.80	8273.61	8311.81	8351.59
3.0	8339.63	8331.46	8270.66	8309.55	8350.27
3.5	8335.73	8327.99	8267.51	8306.66	8347.30
4.0	8331.26	8323.47	8263.63	8303.45	8343.92
4.5	8326.22	8318.29	8259.63	8299.82	8340.89
5.0	8320.54	8312.90	8255.04	8295.84	8337.20
5.5	8314.21	8306.81	8249.84	8291.17	8332.92
6.0	8307.24	8300.00	8244.42	8286.80	8328.86
6.5	8299.33	8292.24	8237.92	8281.86	8323.72
7.0	8291.17	8284.48	8231.03	8276.60	8318.77
7.5	8282.04	8276.03	8223.86	8271.44	8313.76
8.0	8272.93	8267.05	8216.30	8265.45	8308.53
8.5	8262.63	8257.18	8208.38	8258.92	8304.04
9.0	8252.04	8247.08	8200.03	8253.35	8300.95
9.5	8240.96	8236.63	8191.49	8247.93	8298.98
10.0	8228.93	8225.27	8182.40	8243.46	8296.35
10.5	8216.73	8213.70	8173.03	8239.35	8292.78
11.0	8203.46	8201.35	8163.54	8234.97	8288.88
11.5	8190.31	8188.45	8153.83	8229.43	8285.01
12.0	8176.04	8175.45	8143.95	8223.06	8281.32
12.5	8161.34	8161.86	8134.53	8217.23	8276.75
13.0	8146.12	8147.50	8124.38	8211.32	8269.83
13.5	8130.83	8132.62	8114.63	8203.55	8261.17
14.0	8114.67	8117.51	8104.25	8194.18	8252.44
14.5	8097.48	8101.10	8093.21	8182.97	8242.90
15.0	8079.99	8084.56	8081.91	8172.05	8233.06
15.5	8061.38	8067.00	8069.19	8160.11	8220.54
16.0	8042.49	8049.29	8056.47	8148.10	8205.75
16.5	8022.86	8030.69	8042.58	8133.97	8191.88
17.0	8002.88	8012.30	8028.04	8118.38	8179.65
17.5	7982.09	7992.94	8011.74	8102.25	8164.83
18.0	7961.41	7973.41	7995.12	8087.28	8149.01
18.5	7939.84	7953.39	7978.41	8071.71	8132.74
19.0	7917.70	7932.41	7960.30	8054.77	8112.25
19.5	7894.95	7911.60	7941.45	8036.60	8089.68
20.0	7871.58	7890.28	7921.78	8015.63	8064.35
20.5	7848.29	7868.80	7901.52	7992.59	8037.63
21.0	7823.33	7845.98	7880.09	7967.02	8009.49
21.5	7798.59	7823.64	7858.14	7940.14	7982.05
22.0	7772.78	7800.12	7835.03	7911.63	7953.51
22.5	7747.14	7776.60	7811.77	7882.93	7925.06
23.0	7720.96	7752.99	7788.31	7853.27	7895.36
23.5	7693.40	7727.96	7763.11	7821.72	7862.85
24.0	7665.82	7702.75	7737.74	7790.19	7829.79
24.5	7637.42	7676.58	7710.00	7757.47	7793.88
25.0	7608.95	7650.46	7681.90	7724.76	7758.48
25.5	7579.44	7622.42	7651.85	7689.86	7722.60
26.0	7549.42	7594.71	7620.42	7654.56	7685.78
26.5	7517.86	7565.94	7587.26	7617.39	7646.09

IES INDOOR REPORT**PHOTOMETRIC FILENAME : HBIA24-LED175DMV35- LLIA000974-003.IES****CANDELA TABULATION - (Cont.)**

27.0	7485.42	7536.79	7554.06	7580.53	7605.31
27.5	7450.58	7506.95	7519.65	7543.20	7562.16
28.0	7412.98	7475.82	7484.14	7504.01	7517.97
28.5	7373.12	7444.14	7447.87	7464.36	7473.93
29.0	7329.86	7410.42	7410.12	7421.54	7429.05
29.5	7285.47	7375.20	7372.70	7378.30	7384.70
30.0	7237.97	7337.59	7334.34	7332.85	7338.34
30.5	7191.42	7298.88	7295.84	7288.20	7291.40
31.0	7145.78	7256.92	7255.45	7241.70	7243.40
31.5	7102.15	7213.94	7215.89	7196.03	7196.06
32.0	7060.55	7169.53	7175.46	7149.94	7148.80
32.5	7019.54	7122.95	7133.27	7101.68	7099.93
33.0	6980.59	7077.32	7091.07	7053.59	7051.77
33.5	6940.78	7030.35	7047.27	7004.23	7001.45
34.0	6901.35	6984.57	7004.00	6954.97	6952.00
34.5	6860.99	6939.00	6959.10	6905.48	6901.32
35.0	6820.78	6893.80	6912.82	6856.06	6850.61
35.5	6780.73	6849.95	6866.51	6806.73	6801.43
36.0	6738.14	6806.02	6819.17	6756.52	6750.98
36.5	6695.74	6762.63	6771.35	6707.06	6700.40
37.0	6650.36	6717.86	6720.81	6655.37	6649.17
37.5	6603.31	6673.82	6670.17	6604.56	6599.12
38.0	6551.49	6628.00	6616.81	6552.10	6547.41
38.5	6498.17	6582.33	6563.86	6500.15	6495.72
39.0	6441.25	6534.38	6508.67	6446.95	6443.82
39.5	6383.29	6486.05	6452.82	6394.91	6392.51
40.0	6323.83	6434.26	6394.23	6341.52	6339.21
40.5	6266.83	6381.83	6336.69	6289.27	6287.30
41.0	6212.95	6328.09	6279.05	6237.13	6235.12
41.5	6160.47	6271.40	6220.26	6182.72	6182.49
42.0	6109.15	6214.40	6162.25	6129.97	6128.86
42.5	6057.45	6156.40	6102.81	6075.20	6073.10
43.0	6007.58	6099.88	6044.98	6021.62	6019.69
43.5	5955.91	6041.19	5986.50	5966.03	5964.14
44.0	5905.05	5983.50	5927.57	5911.58	5908.96
44.5	5851.16	5924.01	5867.18	5855.03	5851.12
45.0	5796.38	5865.14	5808.02	5799.96	5794.88
45.5	5738.65	5806.17	5748.47	5744.21	5738.28
46.0	5674.75	5744.96	5687.02	5686.66	5679.44
46.5	5609.37	5685.64	5625.94	5629.50	5621.97
47.0	5540.91	5624.93	5563.01	5570.59	5561.67
47.5	5474.05	5565.03	5501.27	5513.13	5502.55
48.0	5407.58	5501.86	5438.05	5453.53	5442.01
48.5	5346.37	5438.77	5376.56	5394.48	5382.30
49.0	5286.36	5372.91	5313.25	5334.11	5320.25
49.5	5228.63	5307.25	5250.49	5274.32	5259.14
50.0	5170.04	5242.06	5187.79	5213.76	5198.33
50.5	5111.04	5175.76	5123.68	5151.41	5136.26
51.0	5050.06	5111.97	5060.16	5090.93	5073.81
51.5	4984.00	5046.25	4995.06	5029.74	5010.27
52.0	4915.02	4981.94	4930.55	4970.00	4947.57
52.5	4841.36	4914.79	4863.80	4906.75	4883.02
53.0	4768.76	4847.65	4797.87	4843.50	4819.20
53.5	4694.72	4777.31	4729.70	4779.29	4753.34
54.0	4626.35	4706.97	4663.33	4714.18	4688.57
54.5	4561.65	4634.76	4597.24	4649.32	4622.59

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55.0	4496.49	4560.17	4529.72	4583.86	4552.89
55.5	4433.13	4486.67	4463.47	4519.27	4485.04
56.0	4365.81	4411.67	4395.95	4450.60	4415.43
56.5	4294.53	4340.07	4329.91	4381.23	4345.60
57.0	4217.89	4268.42	4261.84	4309.89	4273.09
57.5	4141.64	4199.73	4195.73	4240.59	4202.18
58.0	4063.46	4130.10	4127.40	4167.40	4128.41
58.5	3990.89	4060.02	4060.40	4094.20	4055.70
59.0	3921.93	3988.94	3992.62	4020.89	3981.48
59.5	3854.44	3915.76	3922.50	3945.61	3907.40
60.0	3783.58	3840.75	3851.89	3871.15	3833.87
60.5	3706.48	3762.41	3778.62	3794.63	3758.95
61.0	3629.21	3684.53	3706.73	3720.11	3684.82
61.5	3548.94	3604.48	3631.84	3643.30	3602.40
62.0	3473.09	3527.99	3556.75	3567.99	3512.17
62.5	3400.19	3450.77	3479.75	3490.77	3409.44
63.0	3328.50	3378.29	3406.05	3414.08	3293.61
63.5	3252.27	3304.86	3332.32	3328.86	3150.51
64.0	3173.53	3231.40	3256.84	3232.44	2972.00
64.5	3093.38	3153.36	3179.78	3125.00	2747.55
65.0	3017.17	3073.78	3102.40	2995.57	2497.20
65.5	2942.16	2993.42	3024.96	2838.71	2233.60
66.0	2864.80	2910.77	2945.39	2639.42	1986.52
66.5	2786.97	2834.54	2868.50	2406.79	1772.97
67.0	2706.91	2757.59	2789.98	2152.48	1617.83
67.5	2629.11	2681.02	2711.99	1909.44	1511.98
68.0	2553.68	2604.53	2635.43	1694.68	1440.48
68.5	2474.27	2523.27	2554.42	1522.74	1376.18
69.0	2397.68	2446.37	2465.56	1409.64	1318.80
69.5	2316.84	2366.53	2362.43	1330.66	1264.90
70.0	2239.61	2288.81	2251.11	1266.71	1218.72
70.5	2162.33	2208.84	2118.15	1206.32	1162.51
71.0	2083.19	2132.02	1959.87	1153.66	1107.56
71.5	2003.24	2050.95	1763.21	1103.15	1043.13
72.0	1928.64	1970.67	1550.73	1045.68	967.29
72.5	1850.50	1893.39	1344.14	987.02	870.23
73.0	1772.02	1813.50	1155.23	915.72	700.91
73.5	1697.02	1734.49	1017.28	835.40	486.18
74.0	1617.05	1656.20	932.02	698.59	274.46
74.5	1543.91	1578.98	872.01	520.55	160.38
75.0	1464.90	1501.05	813.73	317.45	108.76
75.5	1392.56	1426.48	765.77	170.30	81.20
76.0	1314.26	1350.54	712.26	107.34	61.80
76.5	1242.18	1276.80	652.00	78.78	43.84
77.0	1170.99	1205.83	583.93	60.15	31.19
77.5	1097.07	1132.03	485.01	41.34	26.11
78.0	1026.70	1057.18	365.27	29.59	24.75
78.5	956.33	965.47	225.02	26.37	23.74
79.0	888.90	863.41	114.09	25.14	22.64
79.5	821.01	762.42	73.05	23.95	21.32
80.0	756.05	649.49	53.02	22.78	20.19
80.5	690.87	521.38	37.39	21.56	19.19
81.0	629.36	416.93	31.76	20.51	18.44
81.5	569.72	348.25	29.73	19.61	17.82
82.0	511.93	303.38	27.96	18.91	17.39
82.5	456.00	253.33	26.10	18.27	16.83

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CANDELA TABULATION - (Cont.)

83.0	401.33	203.81	24.45	17.61	16.31
83.5	350.77	154.74	22.98	16.97	15.77
84.0	301.00	100.67	21.57	16.29	15.12
84.5	254.82	59.69	20.39	15.54	14.15
85.0	210.07	45.32	19.11	14.34	12.74
85.5	169.36	41.17	17.91	13.07	11.76
86.0	131.96	37.25	16.55	12.21	11.34
86.5	97.46	33.62	15.15	11.41	10.51
87.0	72.25	30.28	13.76	10.52	9.62
87.5	56.07	27.13	12.47	9.36	8.52
88.0	43.80	24.29	11.12	8.25	7.26
88.5	31.64	20.60	9.77	6.74	5.65
89.0	19.78	16.26	8.60	5.20	3.88
89.5	9.24	12.34	7.12	3.36	1.89
90.0	2.89	9.79	5.93	2.27	0.84
90.5	0.66	8.16	4.53	1.58	0.35
91.0	0.47	6.96	3.83	1.33	0.23
91.5	0.47	5.84	3.06	1.20	0.28
92.0	0.56	4.91	2.52	1.10	0.18
92.5	0.56	4.18	2.25	0.96	0.22
93.0	0.58	3.70	2.01	0.93	0.27
93.5	0.65	3.34	2.01	0.89	0.30
94.0	0.75	3.02	2.07	0.97	0.43
94.5	0.84	2.86	2.16	0.95	0.41
95.0	0.90	2.68	2.27	1.02	0.47
95.5	1.05	2.59	2.27	1.06	0.46
96.0	1.14	2.44	2.17	1.09	0.56
96.5	1.25	2.45	2.16	1.17	0.60
97.0	1.40	2.46	2.08	1.22	0.62
97.5	1.54	2.45	2.02	1.33	0.78
98.0	1.85	2.52	1.99	1.35	0.89
98.5	2.10	2.62	1.92	1.42	0.88
99.0	2.42	2.66	1.91	1.41	0.97
99.5	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00
100.5	0.00	0.00	0.00	0.00	0.00
101.0	0.00	0.00	0.00	0.00	0.00
101.5	0.00	0.00	0.00	0.00	0.00
102.0	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00
103.0	0.00	0.00	0.00	0.00	0.00
103.5	0.00	0.00	0.00	0.00	0.00
104.0	0.00	0.00	0.00	0.00	0.00
104.5	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00
105.5	0.00	0.00	0.00	0.00	0.00
106.0	0.00	0.00	0.00	0.00	0.00
106.5	0.00	0.00	0.00	0.00	0.00
107.0	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00
108.0	0.00	0.00	0.00	0.00	0.00
108.5	0.00	0.00	0.00	0.00	0.00
109.0	0.00	0.00	0.00	0.00	0.00
109.5	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00
110.5	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

111.0	0.00	0.00	0.00	0.00	0.00
111.5	0.00	0.00	0.00	0.00	0.00
112.0	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00
113.0	0.00	0.00	0.00	0.00	0.00
113.5	0.00	0.00	0.00	0.00	0.00
114.0	0.00	0.00	0.00	0.00	0.00
114.5	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00
115.5	0.00	0.00	0.00	0.00	0.00
116.0	0.00	0.00	0.00	0.00	0.00
116.5	0.00	0.00	0.00	0.00	0.00
117.0	0.00	0.00	0.00	0.00	0.00
117.5	0.00	0.00	0.00	0.00	0.00
118.0	0.00	0.00	0.00	0.00	0.00
118.5	0.00	0.00	0.00	0.00	0.00
119.0	0.00	0.00	0.00	0.00	0.00
119.5	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00
120.5	0.00	0.00	0.00	0.00	0.00
121.0	0.00	0.00	0.00	0.00	0.00
121.5	0.00	0.00	0.00	0.00	0.00
122.0	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00
123.0	0.00	0.00	0.00	0.00	0.00
123.5	0.00	0.00	0.00	0.00	0.00
124.0	0.00	0.00	0.00	0.00	0.00
124.5	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00
125.5	0.00	0.00	0.00	0.00	0.00
126.0	0.00	0.00	0.00	0.00	0.00
126.5	0.00	0.00	0.00	0.00	0.00
127.0	0.00	0.00	0.00	0.00	0.00
127.5	0.00	0.00	0.00	0.00	0.00
128.0	0.00	0.00	0.00	0.00	0.00
128.5	0.00	0.00	0.00	0.00	0.00
129.0	0.00	0.00	0.00	0.00	0.00
129.5	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00
130.5	0.00	0.00	0.00	0.00	0.00
131.0	0.00	0.00	0.00	0.00	0.00
131.5	0.00	0.00	0.00	0.00	0.00
132.0	0.00	0.00	0.00	0.00	0.00
132.5	0.00	0.00	0.00	0.00	0.00
133.0	0.00	0.00	0.00	0.00	0.00
133.5	0.00	0.00	0.00	0.00	0.00
134.0	0.00	0.00	0.00	0.00	0.00
134.5	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00
135.5	0.00	0.00	0.00	0.00	0.00
136.0	0.00	0.00	0.00	0.00	0.00
136.5	0.00	0.00	0.00	0.00	0.00
137.0	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00
138.0	0.00	0.00	0.00	0.00	0.00
138.5	0.00	0.00	0.00	0.00	0.00

CANDELA TABULATION - (Cont.)

139.0	0.00	0.00	0.00	0.00	0.00
139.5	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00
140.5	0.00	0.00	0.00	0.00	0.00
141.0	0.00	0.00	0.00	0.00	0.00
141.5	0.00	0.00	0.00	0.00	0.00
142.0	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00
143.0	0.00	0.00	0.00	0.00	0.00
143.5	0.00	0.00	0.00	0.00	0.00
144.0	0.00	0.00	0.00	0.00	0.00
144.5	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00
145.5	0.00	0.00	0.00	0.00	0.00
146.0	0.00	0.00	0.00	0.00	0.00
146.5	0.00	0.00	0.00	0.00	0.00
147.0	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00
148.0	0.00	0.00	0.00	0.00	0.00
148.5	0.00	0.00	0.00	0.00	0.00
149.0	0.00	0.00	0.00	0.00	0.00
149.5	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00
150.5	0.00	0.00	0.00	0.00	0.00
151.0	0.00	0.00	0.00	0.00	0.00
151.5	0.00	0.00	0.00	0.00	0.00
152.0	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00
153.0	0.00	0.00	0.00	0.00	0.00
153.5	0.00	0.00	0.00	0.00	0.00
154.0	0.00	0.00	0.00	0.00	0.00
154.5	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00
155.5	0.00	0.00	0.00	0.00	0.00
156.0	0.00	0.00	0.00	0.00	0.00
156.5	0.00	0.00	0.00	0.00	0.00
157.0	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00
158.0	0.00	0.00	0.00	0.00	0.00
158.5	0.00	0.00	0.00	0.00	0.00
159.0	0.00	0.00	0.00	0.00	0.00
159.5	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00
160.5	0.00	0.00	0.00	0.00	0.00
161.0	0.00	0.00	0.00	0.00	0.00
161.5	0.00	0.00	0.00	0.00	0.00
162.0	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00
163.0	0.00	0.00	0.00	0.00	0.00
163.5	0.00	0.00	0.00	0.00	0.00
164.0	0.00	0.00	0.00	0.00	0.00
164.5	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00
165.5	0.00	0.00	0.00	0.00	0.00
166.0	0.00	0.00	0.00	0.00	0.00
166.5	0.00	0.00	0.00	0.00	0.00

CANDELA TABULATION - (Cont.)

167.0	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00
168.0	0.00	0.00	0.00	0.00	0.00
168.5	0.00	0.00	0.00	0.00	0.00
169.0	0.00	0.00	0.00	0.00	0.00
169.5	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00
170.5	0.00	0.00	0.00	0.00	0.00
171.0	0.00	0.00	0.00	0.00	0.00
171.5	0.00	0.00	0.00	0.00	0.00
172.0	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00
173.0	0.00	0.00	0.00	0.00	0.00
173.5	0.00	0.00	0.00	0.00	0.00
174.0	0.00	0.00	0.00	0.00	0.00
174.5	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00
175.5	0.00	0.00	0.00	0.00	0.00
176.0	0.00	0.00	0.00	0.00	0.00
176.5	0.00	0.00	0.00	0.00	0.00
177.0	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00
178.0	0.00	0.00	0.00	0.00	0.00
178.5	0.00	0.00	0.00	0.00	0.00
179.0	0.00	0.00	0.00	0.00	0.00
179.5	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HBIA24-LED175DMV35- LLIA000974-003.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3084.95	N.A.	13.20
0-30	6625.62	N.A.	28.20
0-40	10927.7	N.A.	46.60
0-60	19474.36	N.A.	83.00
0-80	23367.4	N.A.	99.60
0-90	23455.29	N.A.	100.00
10-90	22665.48	N.A.	96.60
20-40	7842.76	N.A.	33.40
20-50	12327.01	N.A.	52.60
40-70	11423.36	N.A.	48.70
60-80	3893.04	N.A.	16.60
70-80	1016.34	N.A.	4.30
80-90	87.90	N.A.	0.40
90-110	2.10	N.A.	0.00
90-120	2.10	N.A.	0.00
90-130	2.10	N.A.	0.00
90-150	2.10	N.A.	0.00
90-180	2.10	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	23457.4	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

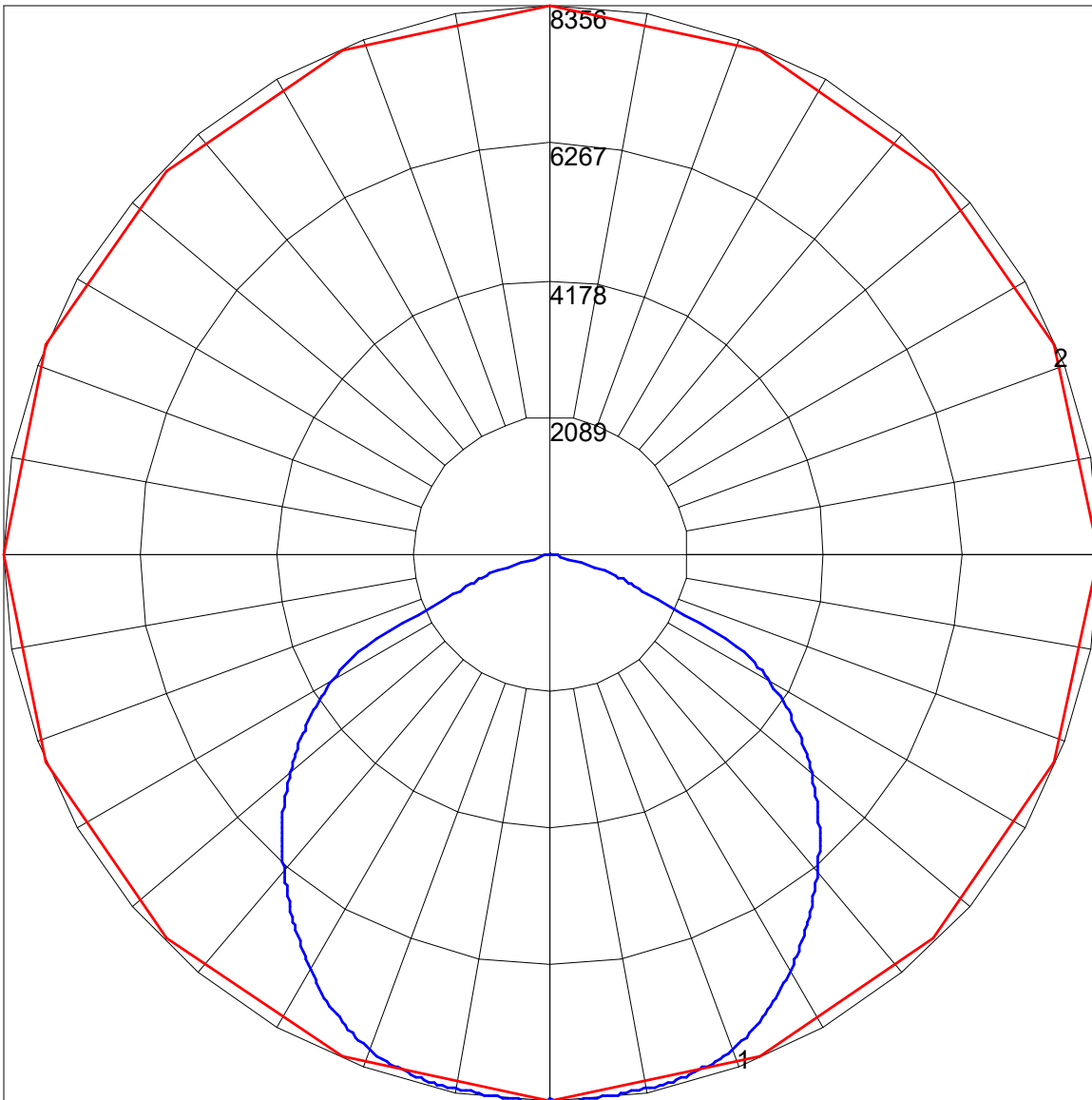
Zone	Lumens
0-10	789.82
10-20	2295.13
20-30	3540.67
30-40	4302.09
40-50	4484.25
50-60	4062.41
60-70	2876.7
70-80	1016.34
80-90	87.90
90-100	2.10
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86
2	100	92	86	80	98	90	85	79	87	82	78	84	80	76	81	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65	74	69	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 8355.98 Located At Horizontal Angle = 90, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)