

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P830332

Luminaire Tested: **OHBL-36HE-MFL-UNV-L735-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830332
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36HE-MFL-UNV-L735-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

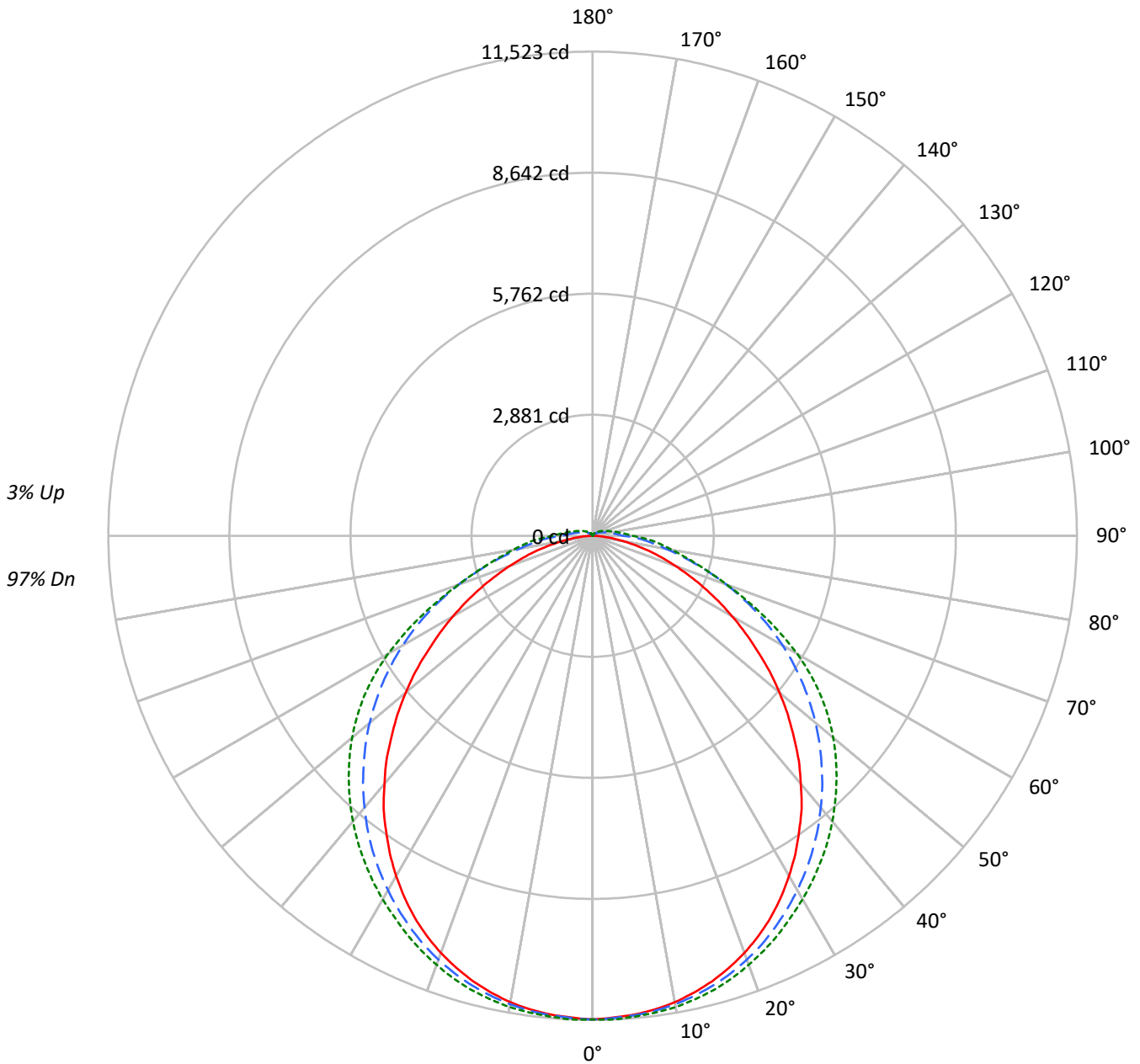
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34454.0 lumens
Efficiency: N/A
Efficacy: 162.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 212
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	50	30	10	0
RCR																					
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	86	84	82	80
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	75	72	68	66
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	67	62	58	56
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	59	54	50	47
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	53	48	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	48	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	44	38	34	32
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	37	32	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18206	18206	18206
5°	18090	18034	18089
10°	17963	17875	17994
15°	17762	17685	17870
20°	17496	17452	17688
25°	17140	17161	17504
30°	16648	16846	17318
35°	16051	16512	17159
40°	15335	16125	17001
45°	14491	15704	16800
50°	13567	15279	16556
55°	12431	14758	16144
60°	11268	14145	15321
65°	9998	13361	13968
70°	8622	12363	12504
75°	7229	11210	11514
80°	5481	10375	11423
85°	3468	10785	12765



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1090.8	3.2
10°-20°	3129.5	9.1
20°-30°	4732.8	13.7
30°-40°	5681.7	16.5
40°-50°	5868.3	17.0
50°-60°	5279.6	15.3
60°-70°	3977.1	11.5
70°-80°	2401.5	7.0
80°-90°	1174.5	3.4
90°-100°	494.4	1.4
100°-110°	282.2	0.8
110°-120°	165.7	0.5
120°-130°	93.7	0.3
130°-140°	49.3	0.1
140°-150°	24.0	0.1
150°-160°	8.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	8953.1	26.0
0°-40°	14634.8	42.5
0°-60°	25782.8	74.8
0°-90°	33335.8	96.8
90°-120°	942.2	2.7
90°-150°	1109.2	3.2
90°-180°	1118.0	3.2
0°-180°	34454.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11512	11512	11512	11512	11512	
5°	11439	11470	11456	11501	11487	###
15°	10977	11030	11081	11174	11185	3095
25°	10025	10134	10278	10439	10464	4611
35°	8571	8771	9131	9408	9464	5358
45°	6765	7106	7700	8120	8207	5223
55°	4792	5288	6091	6551	6630	4297
65°	2924	3522	4311	4525	4474	2906
75°	1378	1978	2496	2561	2536	1470
85°	287	758	1251	1423	1448	332
90°	0	296	716	902	938	18
95°	14	200	535	682	707	12
105°	20	116	310	406	423	20
115°	22	65	192	256	268	23
125°	22	31	116	166	175	20
135°	20	25	59	101	113	16
145°	28	25	28	51	59	17
155°	28	31	28	25	28	9
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11512.2	11512.2	11512.2	<i>11512.2</i>	11512.2
2.5°	<i>11478.4</i>	<i>11506.5</i>	<i>11489.6</i>	<i>11526.3</i>	<i>11523.4</i>
5°	11438.9	11469.9	11455.8	<i>11500.9</i>	11486.8
7.5°	11371.3	11405.1	11402.3	<i>11453.0</i>	11447.4
10°	11272.7	11309.3	11320.6	<i>11388.2</i>	11388.2
12.5°	11137.5	11185.4	11213.5	<i>11295.2</i>	11298.1
15°	10976.9	11030.4	11081.1	<i>11174.1</i>	11185.4
17.5°	10782.5	10850.1	10920.5	<i>11027.6</i>	11041.7
20°	10562.7	10638.8	10734.6	<i>10847.3</i>	10864.2
22.5°	10309.1	10399.3	10523.2	<i>10655.7</i>	10675.4
25°	10024.6	10134.4	10278.1	<i>10438.7</i>	10464.1
27.5°	9700.5	9827.3	10021.7	<i>10202.1</i>	10224.6
30°	9348.4	9497.7	9740.0	<i>9954.1</i>	9990.7
32.5°	8976.5	9148.3	9447.0	<i>9686.5</i>	9737.2
35°	8570.7	8770.8	9131.4	<i>9407.5</i>	9463.9
37.5°	8170.7	8390.4	8799.0	<i>9114.5</i>	9182.1
40°	7703.0	7976.3	8444.0	<i>8793.3</i>	8875.0
42.5°	7263.4	7559.3	8089.0	<i>8469.3</i>	8548.2
45°	6764.7	7105.7	7700.1	<i>8119.9</i>	8207.3
47.5°	6297.0	6666.1	7325.4	<i>7759.3</i>	7849.5
50°	5804.0	6209.7	6925.3	<i>7379.0</i>	7471.9
52.5°	5310.9	5747.6	6511.2	<i>6981.7</i>	7069.0
55°	4792.5	5288.4	6091.4	<i>6550.6</i>	6629.5
57.5°	4310.7	4834.8	5660.3	<i>6097.0</i>	6144.9
60°	3834.6	4378.3	5220.8	<i>5603.9</i>	5620.9
62.5°	3369.7	3941.6	4770.0	<i>5074.3</i>	5051.7
65°	2924.5	3521.8	4310.7	<i>4524.9</i>	4474.1
67.5°	2496.3	3113.3	3840.2	<i>3978.3</i>	3910.6
70°	2090.6	2716.0	3383.8	<i>3454.2</i>	3392.2
72.5°	1732.7	2338.5	2921.7	<i>2980.9</i>	2935.8
75°	1377.7	1977.9	2496.3	<i>2561.1</i>	2535.7
77.5°	1045.3	1628.5	2104.6	<i>2189.2</i>	2194.8
80°	752.3	1310.1	1763.7	<i>1896.2</i>	1913.1
82.5°	495.9	1017.1	1479.2	<i>1648.2</i>	1673.6
85°	287.4	757.9	1251.0	<i>1422.8</i>	1448.2
87.5°	124.0	546.6	1005.8	<i>1160.8</i>	1191.8
90°	0.0	295.8	715.6	<i>901.6</i>	938.2
92.5°	8.5	245.1	614.2	<i>783.3</i>	814.2
95°	14.1	200.0	535.3	<i>681.8</i>	707.2
97.5°	16.9	169.0	464.9	<i>594.5</i>	619.8
100°	16.9	146.5	402.9	<i>521.2</i>	543.8
102.5°	16.9	129.6	352.2	<i>456.4</i>	476.2
105°	19.7	115.5	309.9	<i>405.7</i>	422.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	22.5	76.1	214.1	287.4	298.7
115°	22.5	64.8	191.6	256.4	267.7
117.5°	25.4	56.3	169.0	231.0	239.5
120°	25.4	47.9	149.3	205.7	216.9
122.5°	25.4	39.4	132.4	186.0	194.4
125°	22.5	31.0	115.5	166.2	174.7
127.5°	19.7	25.4	98.6	149.3	157.8
130°	19.7	22.5	84.5	132.4	140.9
132.5°	19.7	25.4	70.4	115.5	126.8
135°	19.7	25.4	59.2	101.4	112.7
137.5°	19.7	25.4	47.9	87.3	98.6
140°	22.5	25.4	39.4	73.3	84.5
142.5°	25.4	25.4	31.0	62.0	70.4
145°	28.2	25.4	28.2	50.7	59.2
147.5°	28.2	28.2	28.2	39.4	47.9
150°	28.2	31.0	28.2	31.0	39.4
152.5°	28.2	31.0	28.2	25.4	31.0
155°	28.2	31.0	28.2	25.4	28.2
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	19.7	101.4	273.3	360.6	374.7
110°	19.7	90.2	242.3	321.2	335.3



(END OF REPORT)