

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: P830396

Luminaire Tested: **OHBL-36SE-MCL-UNV-L835-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830396
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36SE-MCL-UNV-L835-CD
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

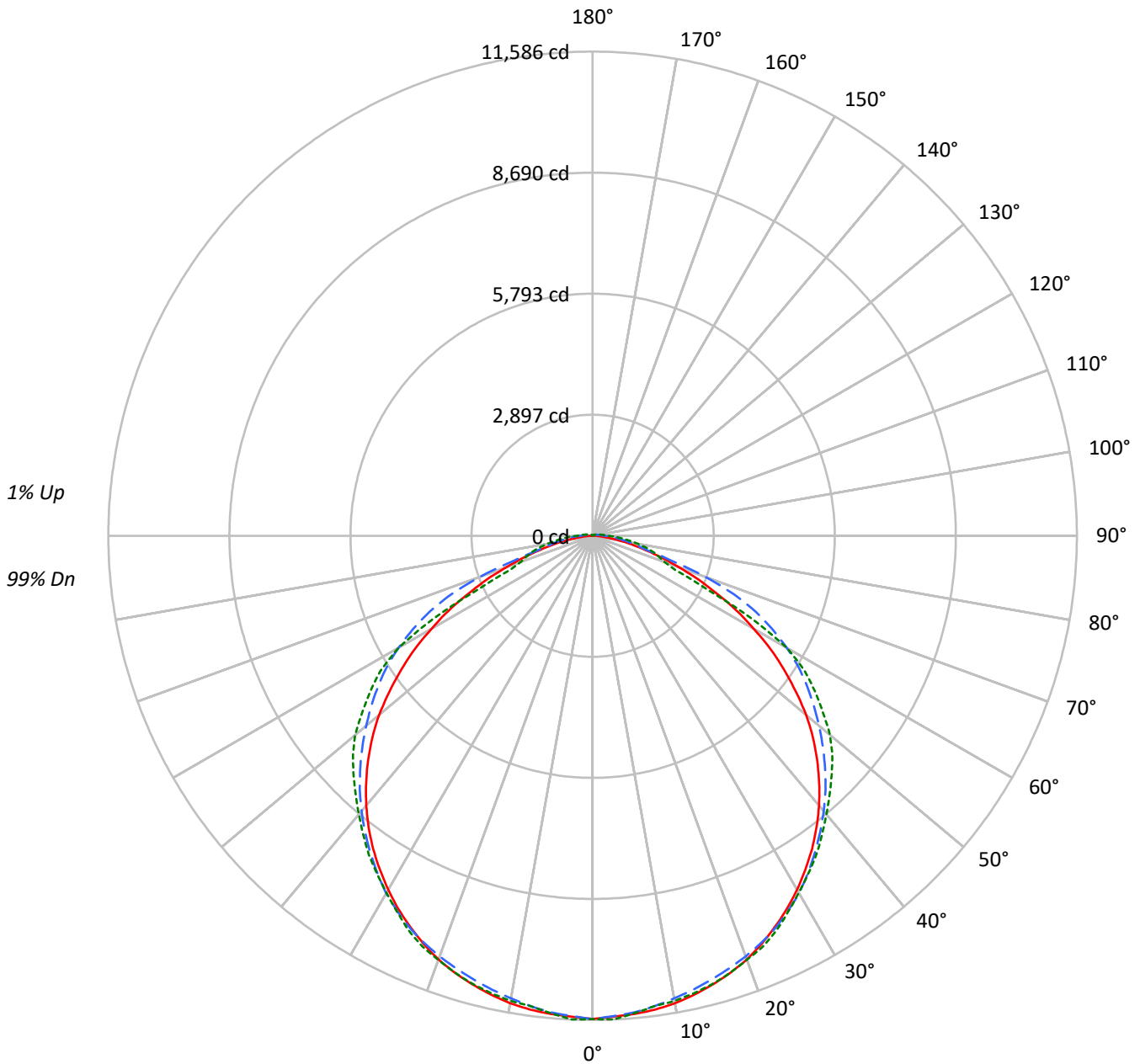
Lumens per Lamp: N/A
Luminaire Lumens: 32681.0 lumens
Efficiency: N/A
Efficacy: 154.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 211
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

TEST NUMBER: P830396

CATALOG NUMBER: OHBL-36SE-MCL-UNV-L835-CD

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	101				99																
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86				83																
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72				70																
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61				59																
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53				51																
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46				44																
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40				38																
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36				34																
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32				30																
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29				27																
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26				24																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18286	18286	18286
5°	18166	18020	18058
10°	18100	17747	17858
15°	17985	17543	17738
20°	17870	17415	17581
25°	17655	17285	17425
30°	17420	17081	17096
35°	17139	16757	16914
40°	16775	16422	16666
45°	16270	16035	16557
50°	15585	15595	16426
55°	14497	15161	15813
60°	13073	14526	14619
65°	11215	13349	9265
70°	9033	10421	6717
75°	6772	6186	6817
80°	4714	5144	6509
85°	2683	4713	6101



TEST NUMBER: P830396

CATALOG NUMBER: OHBL-36SE-MCL-UNV-L835-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1090.2	3.3
10°-20°	3126.3	9.6
20°-30°	4774.8	14.6
30°-40°	5793.5	17.7
40°-50°	6072.2	18.6
50°-60°	5502.3	16.8
60°-70°	3689.1	11.3
70°-80°	1656.6	5.1
80°-90°	601.1	1.8
90°-100°	180.9	0.6
100°-110°	85.4	0.3
110°-120°	42.8	0.1
120°-130°	23.6	0.1
130°-140°	16.2	0.0
140°-150°	10.9	0.0
150°-160°	8.1	0.0
160°-170°	5.2	0.0
170°-180°	1.7	0.0
0°-30°	8991.4	27.5
0°-40°	14784.9	45.2
0°-60°	26359.4	80.7
0°-90°	32306.2	98.9
90°-120°	309.1	0.9
90°-150°	359.8	1.1
90°-180°	375.0	1.1
0°-180°	32681.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11563	11563	11563	11563	11563	
5°	11487	11528	11447	11482	11467	###
15°	11114	11071	10992	11089	11103	3138
25°	10325	10280	10352	10447	10417	4759
35°	9152	9174	9267	9366	9329	5720
45°	7595	7719	7863	8063	8088	5851
55°	5589	5858	6258	6508	6494	4989
65°	3280	3793	4307	3635	2968	3268
75°	1291	1872	1378	1409	1501	1411
85°	222	426	547	660	692	271
90°	2	142	282	354	371	13
95°	2	89	194	236	242	2
105°	7	38	95	115	120	8
115°	13	20	48	62	65	12
125°	12	13	30	35	37	12
135°	15	17	18	27	28	12
145°	15	17	17	18	20	10
155°	17	18	18	18	17	8
165°	18	18	18	18	18	5
175°	18	18	17	15	15	2
180°	17	17	17	17	17	



TEST NUMBER: P830396

CATALOG NUMBER: OHBL-36SE-MCL-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11562.6	11562.6	11562.6	11562.6	<i>11562.6</i>
2.5°	<i>11515.8</i>	<i>11564.2</i>	<i>11504.1</i>	<i>11569.3</i>	<i>11586.0</i>
5°	11487.3	11527.5	11447.2	11482.3	<i>11467.3</i>
7.5°	11435.5	11448.9	11353.6	11382.0	<i>11351.9</i>
10°	11358.6	11351.9	11239.9	11295.1	<i>11301.8</i>
12.5°	11244.9	11224.9	11124.5	11208.1	<i>11209.8</i>
15°	11114.5	11071.0	10992.5	11089.4	<i>11102.8</i>
17.5°	10964.0	10907.2	10855.4	10980.8	<i>10960.7</i>
20°	10788.5	10721.6	10711.6	10848.7	<i>10798.5</i>
22.5°	10571.2	10519.3	10542.7	10673.1	<i>10641.4</i>
25°	10325.4	10280.3	10352.1	10447.4	<i>10417.3</i>
27.5°	10066.3	10039.5	10121.4	10195.0	<i>10136.5</i>
30°	9782.0	9767.0	9875.7	9935.8	<i>9862.3</i>
32.5°	9472.7	9477.8	9581.4	9663.3	<i>9594.8</i>
35°	9151.7	9173.5	9267.1	9365.7	<i>9329.0</i>
37.5°	8799.0	8847.5	8941.1	9053.1	<i>9014.7</i>
40°	8426.2	8496.4	8600.0	8735.5	<i>8700.3</i>
42.5°	8023.2	8111.9	8245.6	8396.1	<i>8392.7</i>
45°	7595.2	7719.0	7862.7	8063.4	<i>8088.4</i>
47.5°	7150.5	7289.3	7471.5	7739.0	<i>7777.5</i>
50°	6667.4	6841.2	7068.6	7389.6	<i>7413.0</i>
52.5°	6129.0	6366.4	6667.4	6975.0	<i>6946.6</i>
55°	5589.0	5858.2	6257.8	6508.5	<i>6493.5</i>
57.5°	5050.7	5353.3	5838.1	6017.0	<i>6015.3</i>
60°	4448.8	4831.7	5361.6	5497.1	<i>5363.3</i>
62.5°	3892.1	4303.4	4853.4	4754.8	<i>4296.7</i>
65°	3280.2	3793.4	4306.7	3634.6	<i>2967.5</i>
67.5°	2736.8	3271.8	3658.0	2489.4	<i>2131.6</i>
70°	2190.1	2780.3	2852.2	1847.4	<i>1822.3</i>
72.5°	1705.3	2333.9	1967.8	1581.6	<i>1661.8</i>
75°	1290.7	1872.5	1377.6	1409.4	<i>1501.3</i>
77.5°	941.3	1437.8	1071.7	1235.5	<i>1310.7</i>
80°	647.0	1018.2	874.4	1038.2	<i>1090.1</i>
82.5°	406.3	672.1	700.5	835.9	<i>889.4</i>
85°	222.4	426.3	546.7	660.4	<i>692.1</i>
87.5°	92.0	257.5	418.0	509.9	<i>536.7</i>
90°	1.7	142.1	282.5	354.4	<i>371.2</i>
92.5°	1.7	108.7	230.7	285.9	<i>297.6</i>
95°	1.7	88.6	193.9	235.7	<i>242.4</i>
97.5°	3.3	70.2	162.2	195.6	<i>202.3</i>
100°	5.0	58.5	135.4	163.8	<i>168.9</i>
102.5°	6.7	46.8	113.7	137.1	<i>142.1</i>
105°	6.7	38.5	95.3	115.4	<i>120.4</i>



TEST NUMBER: P830396

CATALOG NUMBER: OHBL-36SE-MCL-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	11.7	23.4	56.8	71.9	75.2
115°	13.4	20.1	48.5	61.9	65.2
117.5°	13.4	16.7	41.8	51.8	55.2
120°	13.4	15.0	36.8	45.1	46.8
122.5°	13.4	13.4	31.8	40.1	41.8
125°	11.7	13.4	30.1	35.1	36.8
127.5°	13.4	13.4	26.7	31.8	33.4
130°	13.4	15.0	23.4	30.1	30.1
132.5°	15.0	16.7	21.7	28.4	28.4
135°	15.0	16.7	18.4	26.7	28.4
137.5°	16.7	16.7	16.7	25.1	26.7
140°	16.7	16.7	15.0	21.7	23.4
142.5°	15.0	16.7	15.0	20.1	21.7
145°	15.0	16.7	16.7	18.4	20.1
147.5°	16.7	16.7	16.7	16.7	18.4
150°	16.7	16.7	16.7	16.7	16.7
152.5°	16.7	16.7	16.7	16.7	16.7
155°	16.7	18.4	18.4	18.4	16.7
157.5°	16.7	18.4	18.4	18.4	18.4
160°	16.7	18.4	18.4	18.4	18.4
162.5°	18.4	18.4	18.4	18.4	18.4
165°	18.4	18.4	18.4	18.4	18.4
167.5°	18.4	20.1	18.4	18.4	18.4
170°	18.4	18.4	18.4	16.7	16.7
172.5°	18.4	18.4	18.4	16.7	16.7
175°	18.4	18.4	16.7	15.0	15.0
177.5°	20.1	18.4	16.7	15.0	13.4
180°	16.7	16.7	16.7	16.7	16.7



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	8.4	31.8	81.9	98.6	102.0
110°	10.0	26.7	68.5	83.6	86.9



(END OF REPORT)