

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: P830324

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830324
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-36HE-MCL-UNV-L835-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

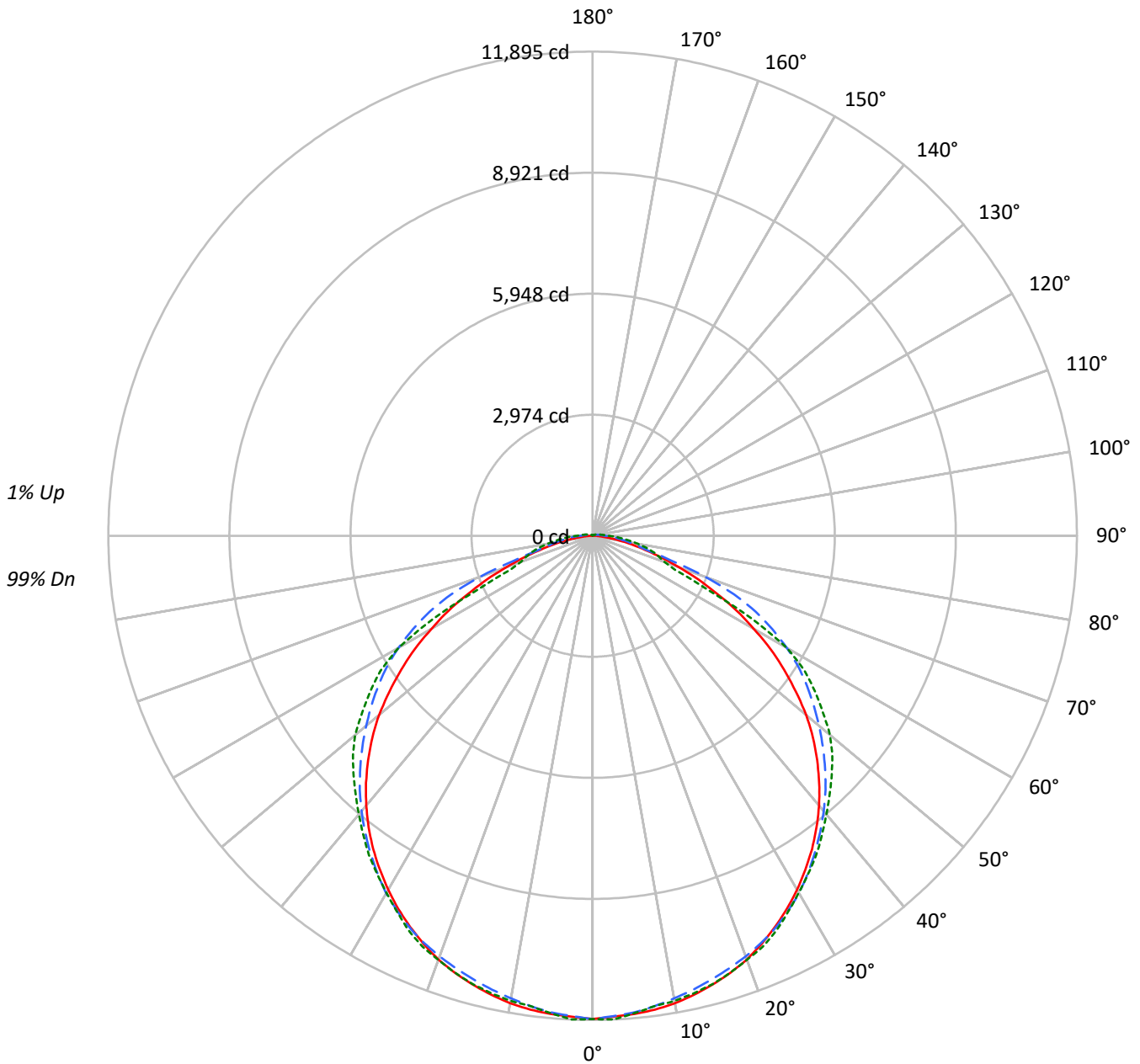
Lumens per Lamp: N/A
Luminaire Lumens: 33553.0 lumens
Efficiency: N/A
Efficacy: 158.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 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									
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°	18774	18774	18774
5°	18651	18501	18540
10°	18583	18221	18334
15°	18465	18011	18211
20°	18347	17879	18050
25°	18126	17746	17890
30°	17885	17537	17552
35°	17597	17204	17365
40°	17223	16861	17111
45°	16704	16463	16999
50°	16001	16011	16864
55°	14884	15566	16235
60°	13422	14914	15009
65°	11514	13705	9512
70°	9274	10699	6896
75°	6953	6351	6999
80°	4840	5281	6682
85°	2755	4839	6264



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1119.3	3.3
10°-20°	3209.7	9.6
20°-30°	4902.3	14.6
30°-40°	5948.1	17.7
40°-50°	6234.2	18.6
50°-60°	5649.1	16.8
60°-70°	3787.5	11.3
70°-80°	1700.8	5.1
80°-90°	617.2	1.8
90°-100°	185.8	0.6
100°-110°	87.7	0.3
110°-120°	43.9	0.1
120°-130°	24.2	0.1
130°-140°	16.7	0.0
140°-150°	11.2	0.0
150°-160°	8.3	0.0
160°-170°	5.4	0.0
170°-180°	1.7	0.0
0°-30°	9231.3	27.5
0°-40°	15179.4	45.2
0°-60°	27062.7	80.7
0°-90°	33168.2	98.9
90°-120°	317.4	0.9
90°-150°	369.5	1.1
90°-180°	385.0	1.1
0°-180°	33553.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11871	11871	11871	11871	11871	
5°	11794	11835	11753	11789	11773	###
15°	11411	11366	11286	11385	11399	3222
25°	10601	10555	10628	10726	10695	4886
35°	9396	9418	9514	9616	9578	5873
45°	7798	7925	8072	8278	8304	6007
55°	5738	6014	6425	6682	6667	5122
65°	3368	3895	4422	3732	3047	3356
75°	1325	1922	1414	1447	1541	1448
85°	228	438	561	678	711	279
90°	2	146	290	364	381	14
95°	2	91	199	242	249	2
105°	7	40	98	118	124	8
115°	14	21	50	64	67	13
125°	12	14	31	36	38	12
135°	15	17	19	28	29	12
145°	15	17	17	19	21	10
155°	17	19	19	19	17	8
165°	19	19	19	19	19	5
175°	19	19	17	15	15	2
180°	17	17	17	17	17	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11871.1	11871.1	11871.1	11871.1	<i>11871.1</i>
2.5°	<i>11823.0</i>	<i>11872.8</i>	<i>11811.0</i>	<i>11877.9</i>	<i>11895.1</i>
5°	11793.8	11835.0	11752.6	11788.7	<i>11773.2</i>
7.5°	11740.6	11754.4	11656.5	11685.7	<i>11654.8</i>
10°	11661.7	11654.8	11539.8	11596.4	<i>11603.3</i>
12.5°	11545.0	11524.4	11421.4	11507.2	<i>11508.9</i>
15°	11411.1	11366.4	11285.8	11385.3	<i>11399.1</i>
17.5°	11256.6	11198.2	11145.0	11273.7	<i>11253.2</i>
20°	11076.4	11007.7	10997.4	11138.1	<i>11086.7</i>
22.5°	10853.2	10800.0	10824.0	10957.9	<i>10925.3</i>
25°	10600.9	10554.6	10628.4	10726.2	<i>10695.3</i>
27.5°	10334.8	10307.4	10391.5	10467.0	<i>10406.9</i>
30°	10043.0	10027.6	10139.2	10201.0	<i>10125.4</i>
32.5°	9725.5	9730.6	9837.1	9921.2	<i>9850.8</i>
35°	9395.9	9418.2	9514.4	9615.6	<i>9577.9</i>
37.5°	9033.8	9083.5	9179.7	9294.7	<i>9255.2</i>
40°	8651.0	8723.1	8829.5	8968.5	<i>8932.5</i>
42.5°	8237.3	8328.3	8465.6	8620.1	<i>8616.7</i>
45°	7797.9	7924.9	8072.5	8278.5	<i>8304.3</i>
47.5°	7341.3	7483.8	7670.9	7945.5	<i>7985.0</i>
50°	6845.3	7023.8	7257.2	7586.8	<i>7610.8</i>
52.5°	6292.6	6536.3	6845.3	7161.1	<i>7131.9</i>
55°	5738.1	6014.5	6424.7	6682.2	<i>6666.8</i>
57.5°	5185.4	5496.1	5993.9	6177.6	<i>6175.8</i>
60°	4567.5	4960.6	5504.7	5643.7	<i>5506.4</i>
62.5°	3995.9	4418.2	4982.9	4881.6	<i>4411.3</i>
65°	3367.7	3894.7	4421.6	3731.6	<i>3046.7</i>
67.5°	2809.9	3359.1	3755.6	2555.8	<i>2188.5</i>
70°	2248.6	2854.5	2928.3	1896.7	<i>1870.9</i>
72.5°	1750.8	2396.2	2020.3	1623.8	<i>1706.2</i>
75°	1325.1	1922.4	1414.4	1447.0	<i>1541.4</i>
77.5°	966.4	1476.2	1100.3	1268.5	<i>1345.7</i>
80°	664.3	1045.3	897.7	1065.9	<i>1119.1</i>
82.5°	417.1	690.0	719.2	858.2	<i>913.2</i>
85°	228.3	437.7	561.3	678.0	<i>710.6</i>
87.5°	94.4	264.3	429.1	523.5	<i>551.0</i>
90°	1.7	145.9	290.1	363.9	<i>381.1</i>
92.5°	1.7	111.6	236.9	293.5	<i>305.5</i>
95°	1.7	91.0	199.1	242.0	<i>248.9</i>
97.5°	3.4	72.1	166.5	200.8	<i>207.7</i>
100°	5.1	60.1	139.0	168.2	<i>173.4</i>
102.5°	6.9	48.1	116.7	140.8	<i>145.9</i>
105°	6.9	39.5	97.8	118.4	<i>123.6</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	12.0	24.0	58.4	73.8	77.2
115°	13.7	20.6	49.8	63.5	66.9
117.5°	13.7	17.2	42.9	53.2	56.6
120°	13.7	15.4	37.8	46.3	48.1
122.5°	13.7	13.7	32.6	41.2	42.9
125°	12.0	13.7	30.9	36.0	37.8
127.5°	13.7	13.7	27.5	32.6	34.3
130°	13.7	15.4	24.0	30.9	30.9
132.5°	15.4	17.2	22.3	29.2	29.2
135°	15.4	17.2	18.9	27.5	29.2
137.5°	17.2	17.2	17.2	25.7	27.5
140°	17.2	17.2	15.4	22.3	24.0
142.5°	15.4	17.2	15.4	20.6	22.3
145°	15.4	17.2	17.2	18.9	20.6
147.5°	17.2	17.2	17.2	17.2	18.9
150°	17.2	17.2	17.2	17.2	17.2
152.5°	17.2	17.2	17.2	17.2	17.2
155°	17.2	18.9	18.9	18.9	17.2
157.5°	17.2	18.9	18.9	18.9	18.9
160°	17.2	18.9	18.9	18.9	18.9
162.5°	18.9	18.9	18.9	18.9	18.9
165°	18.9	18.9	18.9	18.9	18.9
167.5°	18.9	20.6	18.9	18.9	18.9
170°	18.9	18.9	18.9	17.2	17.2
172.5°	18.9	18.9	18.9	17.2	17.2
175°	18.9	18.9	17.2	15.4	15.4
177.5°	20.6	18.9	17.2	15.4	13.7
180°	17.2	17.2	17.2	17.2	17.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	8.6	32.6	84.1	101.3	104.7
110°	10.3	27.5	70.4	85.8	89.3



(END OF REPORT)