

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: P830372

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830372
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36HE-W-UNV-L835-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

Summary

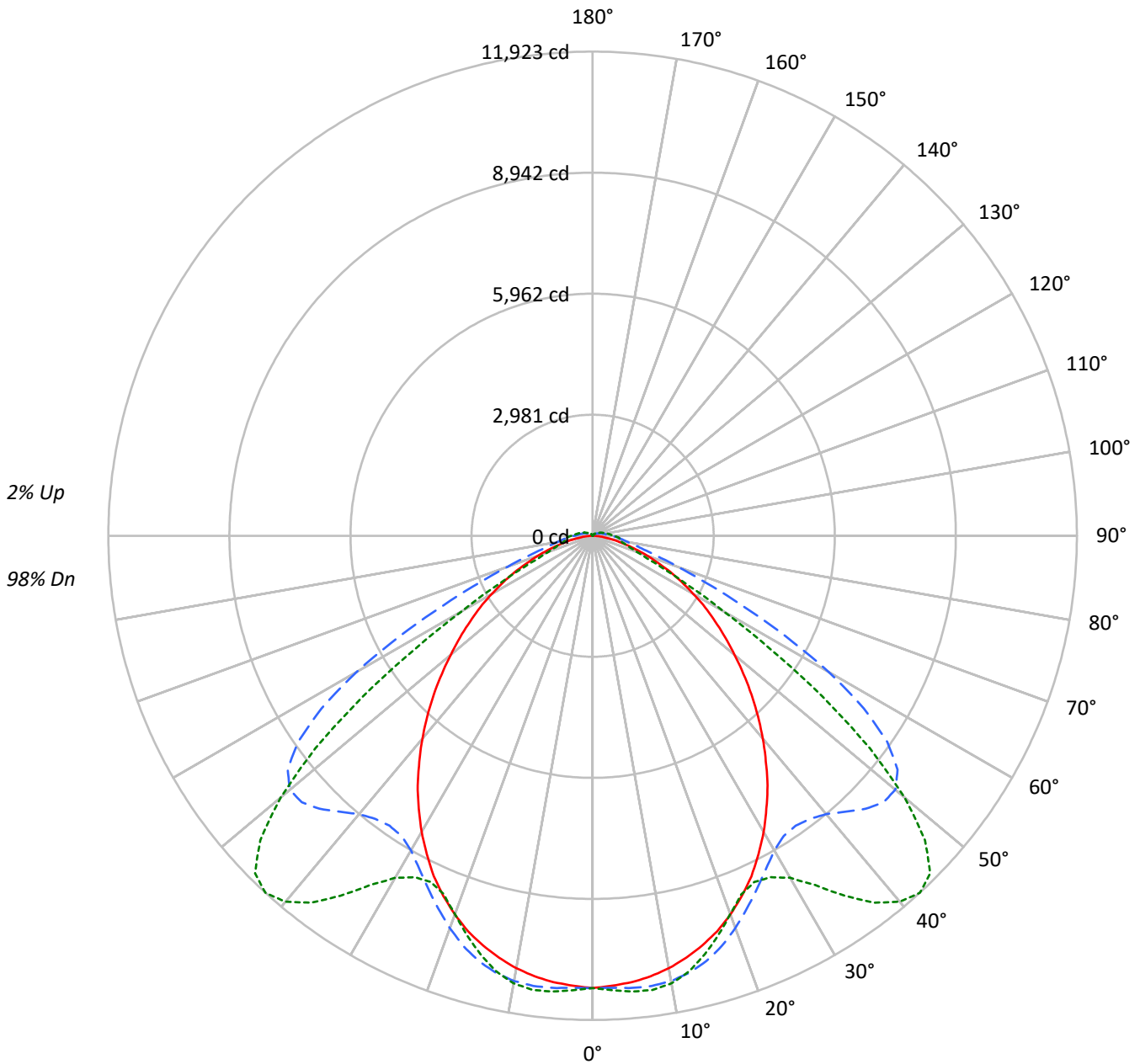
Lumens per Lamp: N/A
Luminaire Lumens: 33348.0 lumens
Efficiency: N/A
Efficacy: 157.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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				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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	100	100	100	98
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	85	85	85	83
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	72	72	72	70
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	61	61	61	59
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	52	52	52	50
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	45	45	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	40	40	40	38
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	35	35	35	33
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	31	31	31	29
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	28	28	28	26
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	25	25	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17614	17614	17614
5°	17450	17597	17740
10°	17231	17578	17686
15°	16895	17296	17045
20°	16434	16709	16138
25°	15818	15997	15740
30°	14998	15469	16853
35°	14063	15764	19614
40°	12979	17083	22537
45°	11844	19392	24058
50°	10661	21460	22208
55°	9549	21453	16805
60°	8417	18171	10152
65°	7221	12565	6054
70°	5867	8138	4278
75°	4463	5848	3841
80°	3204	5160	4103
85°	2174	5717	5782



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1064.3	3.2
10°-20°	3013.9	9.0
20°-30°	4410.3	13.2
30°-40°	5727.6	17.2
40°-50°	6994.2	21.0
50°-60°	6159.5	18.5
60°-70°	3209.7	9.6
70°-80°	1376.4	4.1
80°-90°	661.0	2.0
90°-100°	310.6	0.9
100°-110°	193.0	0.6
110°-120°	114.1	0.3
120°-130°	62.0	0.2
130°-140°	31.1	0.1
140°-150°	15.0	0.0
150°-160°	5.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	8488.4	25.5
0°-40°	14216.1	42.6
0°-60°	27369.7	82.1
0°-90°	32616.9	97.8
90°-120°	617.7	1.9
90°-150°	725.8	2.2
90°-180°	731.0	2.2
0°-180°	33348.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11138	11138	11138	11138	11138	
5°	11034	11118	11178	11277	11265	###
15°	10441	10734	10837	10756	10669	2940
25°	9251	9746	9580	9400	9410	4246
35°	7509	8302	8718	10167	10818	4680
45°	5529	6956	9508	11512	11753	4263
55°	3681	6094	8855	7764	6901	3304
65°	2112	4222	4054	2254	1939	2090
75°	851	1975	1302	892	846	928
85°	180	704	663	649	656	201
90°	2	255	437	500	512	13
95°	5	149	348	408	420	4
105°	10	84	226	272	276	10
115°	14	48	139	171	175	15
125°	17	24	82	106	108	14
135°	14	14	38	65	67	11
145°	19	14	17	31	36	11
155°	19	19	14	14	14	6
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°	11137.6	11137.6	11137.6	11137.6	<i>11137.6</i>
2.5°	11089.6	11137.6	11140.0	11207.3	<i>11200.1</i>
5°	11034.3	11118.4	11178.5	11277.0	<i>11265.0</i>
7.5°	10943.0	11075.1	11180.9	11289.0	<i>11279.4</i>
10°	10813.2	10993.4	11132.8	11221.7	<i>11192.9</i>
12.5°	10645.0	10882.9	11019.9	11039.1	<i>10983.8</i>
15°	10440.8	10733.9	10837.3	10755.6	<i>10669.0</i>
17.5°	10210.1	10553.7	10589.8	10411.9	<i>10303.8</i>
20°	9921.7	10313.4	10277.4	10032.3	<i>9912.1</i>
22.5°	9602.1	10049.1	9933.8	9676.6	<i>9561.3</i>
25°	9251.3	9746.3	9580.5	9400.3	<i>9409.9</i>
27.5°	8840.4	9402.7	9241.7	9323.4	<i>9477.2</i>
30°	8422.3	9042.3	8943.7	9419.5	<i>9722.3</i>
32.5°	7963.3	8672.2	8761.1	9700.7	<i>10195.7</i>
35°	7509.2	8302.2	8717.9	10166.8	<i>10818.0</i>
37.5°	7007.0	7927.3	8787.5	10705.1	<i>11387.5</i>
40°	6519.2	7562.0	8946.1	11188.1	<i>11764.8</i>
42.5°	<i>6021.8</i>	<i>7235.2</i>	<i>9212.9</i>	<i>11474.0</i>	<i>11923.4</i>
45°	5529.2	6956.5	9508.4	11512.5	<i>11752.8</i>
47.5°	5036.6	6721.0	9712.7	11207.3	<i>11096.8</i>
50°	4560.8	6512.0	9727.1	10474.4	<i>10022.7</i>
52.5°	4116.2	6319.7	9462.8	9306.6	<i>8604.9</i>
55°	3681.3	6093.9	8854.8	7763.9	<i>6901.2</i>
57.5°	3284.8	5781.5	7917.7	6105.9	<i>5163.9</i>
60°	2864.3	5358.6	6706.6	4467.1	<i>3724.6</i>
62.5°	2477.4	4832.3	5348.9	3109.4	<i>2676.9</i>
65°	2112.2	4222.0	4053.8	2254.0	<i>1939.2</i>
67.5°	1725.3	3590.0	2991.7	1643.6	<i>1441.8</i>
70°	1422.5	3003.7	2227.5	1278.4	<i>1160.6</i>
72.5°	1112.6	2446.2	1665.2	1038.1	<i>973.2</i>
75°	850.6	1975.2	1302.4	891.5	<i>845.8</i>
77.5°	627.2	1561.9	1047.7	788.2	<i>744.9</i>
80°	439.7	1230.3	877.1	704.1	<i>687.2</i>
82.5°	295.6	951.6	747.3	670.4	<i>672.8</i>
85°	180.2	704.1	663.2	648.8	<i>656.0</i>
87.5°	86.5	499.8	569.5	591.1	<i>598.3</i>
90°	2.4	254.7	437.3	499.8	<i>511.8</i>
92.5°	0.0	194.6	384.5	446.9	<i>459.0</i>
95°	4.8	149.0	348.4	408.5	<i>420.5</i>
97.5°	4.8	122.5	312.4	374.9	<i>382.1</i>
100°	7.2	105.7	278.7	338.8	<i>346.0</i>
102.5°	7.2	93.7	249.9	302.8	<i>307.6</i>
105°	9.6	84.1	225.9	271.5	<i>276.3</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	14.4	57.7	158.6	192.2	197.0
115°	14.4	48.1	139.4	170.6	175.4
117.5°	16.8	43.3	122.5	151.4	153.8
120°	16.8	36.0	105.7	134.6	137.0
122.5°	16.8	28.8	93.7	120.1	122.5
125°	16.8	24.0	81.7	105.7	108.1
127.5°	14.4	16.8	69.7	93.7	96.1
130°	14.4	14.4	57.7	81.7	86.5
132.5°	14.4	14.4	48.1	72.1	76.9
135°	14.4	14.4	38.4	64.9	67.3
137.5°	14.4	14.4	31.2	55.3	60.1
140°	14.4	14.4	24.0	48.1	50.5
142.5°	16.8	14.4	21.6	40.8	43.3
145°	19.2	14.4	16.8	31.2	36.0
147.5°	19.2	16.8	16.8	26.4	28.8
150°	19.2	19.2	14.4	19.2	24.0
152.5°	19.2	19.2	14.4	14.4	19.2
155°	19.2	19.2	14.4	14.4	14.4
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



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







107.5°	12.0	74.5	201.8	242.7	247.5
110°	12.0	64.9	177.8	216.3	221.1



(END OF REPORT)