

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: P830440

Luminaire Tested: **OHBL-36SE-W-UNV-L735-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830440
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-36SE-W-UNV-L735-CD
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

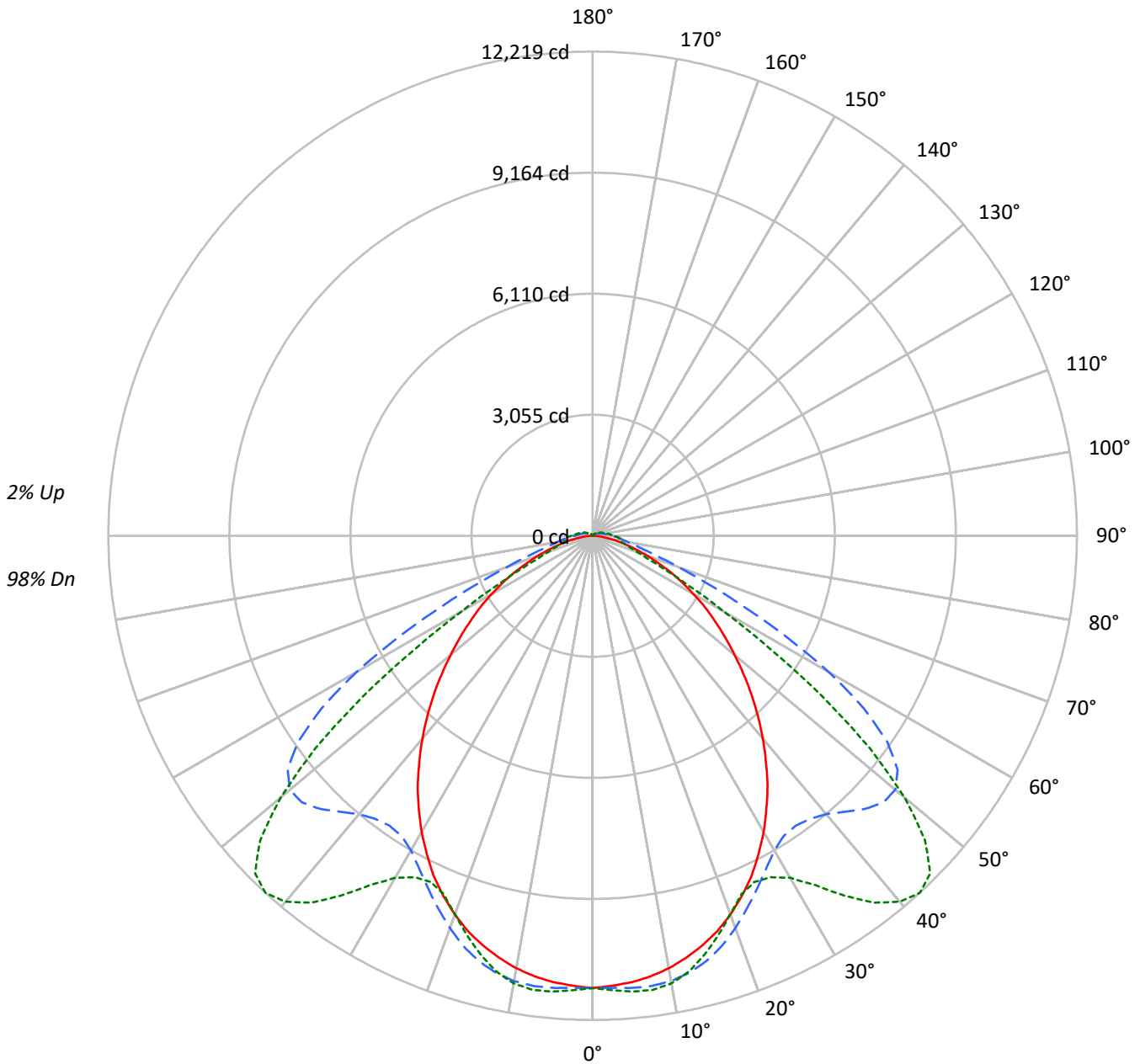
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34176.0 lumens
Efficiency: N/A
Efficacy: 162.0 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): 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: P830440
CATALOG NUMBER: OHBL-36SE-W-UNV-L735-CD

Luminous Intensity Polar Plot





TEST NUMBER: P830440

CATALOG NUMBER: OHBL-36SE-W-UNV-L735-CD

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°	18051	18051	18051
5°	17883	18034	18180
10°	17659	18015	18125
15°	17314	17725	17468
20°	16842	17123	16538
25°	16211	16394	16131
30°	15371	15853	17272
35°	14412	16155	20101
40°	13301	17508	23096
45°	12138	19873	24655
50°	10926	21993	22759
55°	9786	21986	17223
60°	8626	18622	10404
65°	7400	12877	6204
70°	6013	8341	4384
75°	4574	5993	3936
80°	3284	5287	4205
85°	2229	5860	5926



TEST NUMBER: P830440

CATALOG NUMBER: OHBL-36SE-W-UNV-L735-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1090.8	3.2
10°-20°	3088.7	9.0
20°-30°	4519.8	13.2
30°-40°	5869.8	17.2
40°-50°	7167.8	21.0
50°-60°	6312.4	18.5
60°-70°	3289.4	9.6
70°-80°	1410.6	4.1
80°-90°	677.4	2.0
90°-100°	318.3	0.9
100°-110°	197.8	0.6
110°-120°	117.0	0.3
120°-130°	63.6	0.2
130°-140°	31.9	0.1
140°-150°	15.3	0.0
150°-160°	5.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	8699.2	25.5
0°-40°	14569.0	42.6
0°-60°	28049.3	82.1
0°-90°	33426.7	97.8
90°-120°	633.1	1.9
90°-150°	743.9	2.2
90°-180°	749.0	2.2
0°-180°	34176.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11414	11414	11414	11414	11414	
5°	11308	11394	11456	11557	11545	###
15°	10700	11000	11106	11023	10934	3013
25°	9481	9988	9818	9634	9644	4351
35°	7696	8508	8934	10419	11087	4797
45°	5666	7129	9744	11798	12045	4369
55°	3773	6245	9075	7957	7073	3386
65°	2165	4327	4154	2310	1987	2142
75°	872	2024	1335	914	867	951
85°	185	722	680	665	672	206
90°	2	261	448	512	524	13
95°	5	153	357	419	431	4
105°	10	86	232	278	283	10
115°	15	49	143	175	180	15
125°	17	25	84	108	111	15
135°	15	15	39	66	69	11
145°	20	15	17	32	37	12
155°	20	20	15	15	15	6
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P830440

CATALOG NUMBER: OHBL-36SE-W-UNV-L735-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11414.2	11414.2	11414.2	11414.2	<i>11414.2</i>
2.5°	11364.9	11414.2	11416.6	11485.6	<i>11478.2</i>
5°	11308.3	11394.5	11456.0	11557.0	<i>11544.7</i>
7.5°	11214.7	11350.1	11458.5	11569.3	<i>11559.5</i>
10°	11081.7	11266.4	11409.2	11500.4	<i>11470.8</i>
12.5°	10909.3	11153.1	11293.5	11313.2	<i>11256.6</i>
15°	10700.0	11000.4	11106.3	11022.6	<i>10934.0</i>
17.5°	10463.6	10815.7	10852.7	10670.5	<i>10559.6</i>
20°	10168.1	10569.5	10532.5	10281.4	<i>10158.2</i>
22.5°	9840.6	10298.6	10180.4	9916.9	<i>9798.7</i>
25°	9481.0	9988.3	9818.4	9633.7	<i>9643.5</i>
27.5°	9059.9	9636.2	9471.2	9554.9	<i>9712.5</i>
30°	8631.4	9266.8	9165.8	9653.4	<i>9963.7</i>
32.5°	8161.1	8887.5	8978.6	9941.5	<i>10448.8</i>
35°	7695.6	8508.3	8934.3	10419.3	<i>11086.6</i>
37.5°	7180.9	8124.1	9005.7	10970.9	<i>11670.3</i>
40°	6681.0	7749.8	9168.3	11465.9	<i>12056.9</i>
42.5°	<i>6171.3</i>	<i>7414.9</i>	<i>9441.6</i>	<i>11758.9</i>	<i>12219.4</i>
45°	5666.4	7129.2	9744.5	11798.3	<i>12044.6</i>
47.5°	5161.6	6887.9	9953.8	11485.6	<i>11372.3</i>
50°	4674.0	6673.7	9968.6	10734.5	<i>10271.5</i>
52.5°	4218.4	6476.6	9697.7	9537.7	<i>8818.6</i>
55°	3772.7	6245.2	9074.7	7956.7	<i>7072.6</i>
57.5°	3366.4	5925.0	8114.3	6257.5	<i>5292.1</i>
60°	2935.4	5491.6	6873.1	4578.0	<i>3817.0</i>
62.5°	2538.9	4952.3	5481.8	3186.6	<i>2743.3</i>
65°	2164.6	4326.8	4154.4	2309.9	<i>1987.3</i>
67.5°	1768.1	3679.1	3065.9	1684.4	<i>1477.6</i>
70°	1457.9	3078.3	2282.8	1310.1	<i>1189.4</i>
72.5°	1140.2	2506.9	1706.6	1063.8	<i>997.4</i>
75°	871.8	2024.3	1334.7	913.6	<i>866.8</i>
77.5°	642.7	1600.7	1073.7	807.7	<i>763.4</i>
80°	450.7	1260.9	898.8	721.5	<i>704.3</i>
82.5°	302.9	975.2	765.9	687.1	<i>689.5</i>
85°	184.7	721.5	679.7	664.9	<i>672.3</i>
87.5°	88.7	512.2	583.6	605.8	<i>613.2</i>
90°	2.5	261.0	448.2	512.2	<i>524.5</i>
92.5°	0.0	199.5	394.0	458.0	<i>470.4</i>
95°	4.9	152.7	357.1	418.6	<i>431.0</i>
97.5°	4.9	125.6	320.1	384.2	<i>391.6</i>
100°	7.4	108.4	285.7	347.2	<i>354.6</i>
102.5°	7.4	96.0	256.1	310.3	<i>315.2</i>
105°	9.9	86.2	231.5	278.3	<i>283.2</i>



TEST NUMBER: P830440

CATALOG NUMBER: OHBL-36SE-W-UNV-L735-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	14.8	59.1	162.5	197.0	201.9
115°	14.8	49.3	142.8	174.8	179.8
117.5°	17.2	44.3	125.6	155.1	157.6
120°	17.2	36.9	108.4	137.9	140.4
122.5°	17.2	29.6	96.0	123.1	125.6
125°	17.2	24.6	83.7	108.4	110.8
127.5°	14.8	17.2	71.4	96.0	98.5
130°	14.8	14.8	59.1	83.7	88.7
132.5°	14.8	14.8	49.3	73.9	78.8
135°	14.8	14.8	39.4	66.5	69.0
137.5°	14.8	14.8	32.0	56.6	61.6
140°	14.8	14.8	24.6	49.3	51.7
142.5°	17.2	14.8	22.2	41.9	44.3
145°	19.7	14.8	17.2	32.0	36.9
147.5°	19.7	17.2	17.2	27.1	29.6
150°	19.7	19.7	14.8	19.7	24.6
152.5°	19.7	19.7	14.8	14.8	19.7
155°	19.7	19.7	14.8	14.8	14.8
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°	12.3	76.3	206.9	248.7	253.6
110°	12.3	66.5	182.2	221.6	226.6



(END OF REPORT)