

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: P830299

Luminaire Tested: **OHBL-30SE-W-UNV-L830-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830299
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-30SE-W-UNV-L830-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

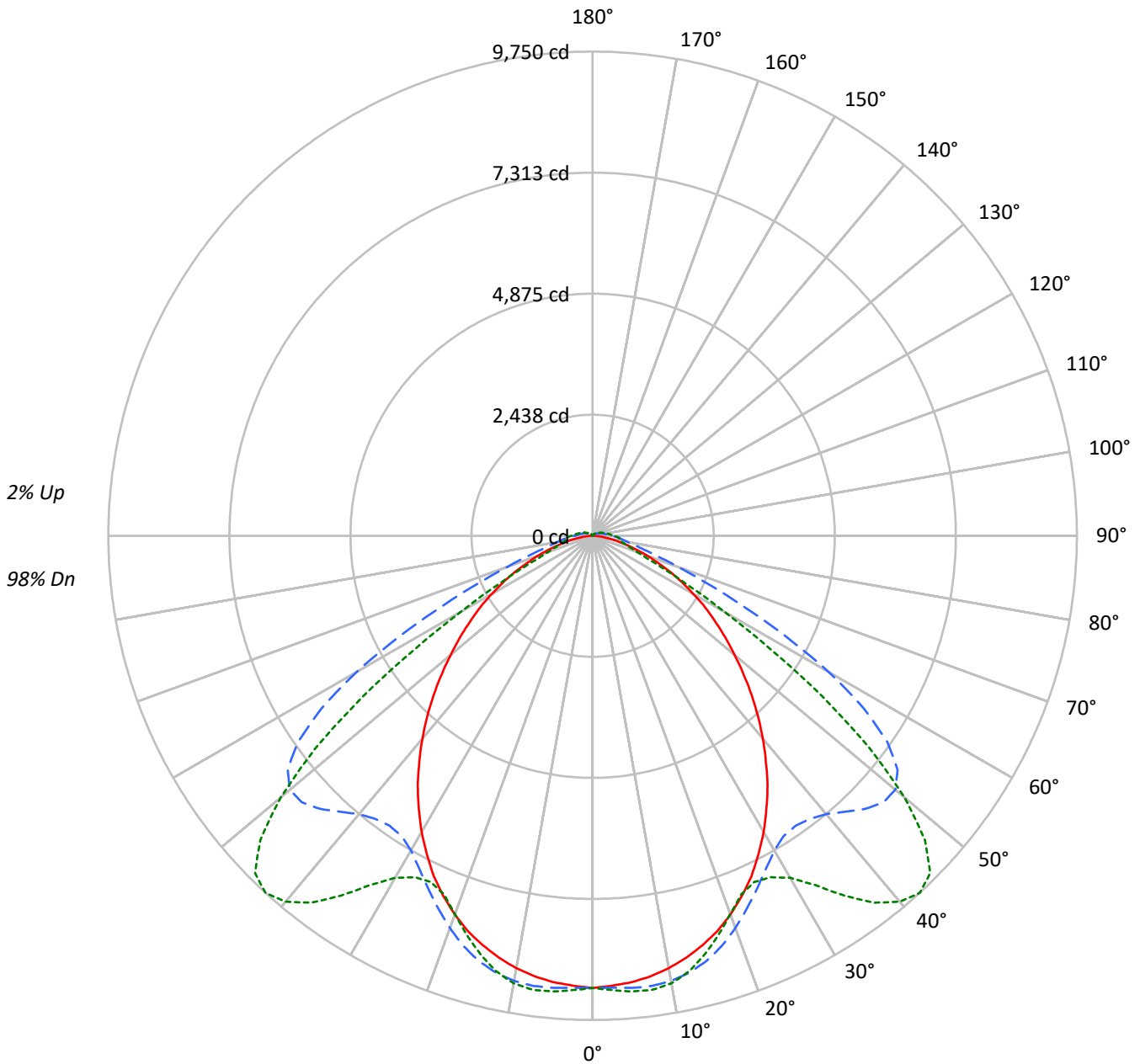
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27268.0 lumens
Efficiency: N/A
Efficacy: 156.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 174
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	98			
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	83			
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	70			
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	59			
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	50			
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	43			
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	38			
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	33			
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29			
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	26			
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15555	15555	15555
5°	15410	15533	15656
10°	15216	15509	15598
15°	14920	15253	15023
20°	14513	14728	14214
25°	13969	14094	13854
30°	13245	13622	14823
35°	12419	13873	17237
40°	11461	15025	19788
45°	10459	17043	21102
50°	9415	18846	19457
55°	8433	18821	14703
60°	7433	15923	8867
65°	6377	10994	5276
70°	5181	7106	3718
75°	3942	5091	3323
80°	2830	4471	3526
85°	1921	4909	4905



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	870.3	3.2
10°-20°	2464.4	9.0
20°-30°	3606.2	13.2
30°-40°	4683.4	17.2
40°-50°	5719.0	21.0
50°-60°	5036.5	18.5
60°-70°	2624.5	9.6
70°-80°	1125.5	4.1
80°-90°	540.5	2.0
90°-100°	253.9	0.9
100°-110°	157.8	0.6
110°-120°	93.3	0.3
120°-130°	50.7	0.2
130°-140°	25.5	0.1
140°-150°	12.2	0.0
150°-160°	4.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	6940.8	25.5
0°-40°	11624.2	42.6
0°-60°	22379.6	82.1
0°-90°	26670.2	97.8
90°-120°	505.1	1.9
90°-150°	593.5	2.2
90°-180°	598.0	2.2
0°-180°	27268.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9107	9107	9107	9107	9107	
5°	9022	9091	9140	9221	9211	856
15°	8537	8777	8861	8795	8724	2404
25°	7565	7969	7834	7686	7694	3471
35°	6140	6788	7128	8313	8846	3827
45°	4521	5688	7775	9414	9610	3486
55°	3010	4983	7240	6348	5643	2702
65°	1727	3452	3315	1843	1586	1709
75°	696	1615	1065	729	692	758
85°	147	576	542	530	536	164
90°	2	208	358	409	418	10
95°	4	122	285	334	344	3
105°	8	69	185	222	226	8
115°	12	39	114	140	143	12
125°	14	20	67	86	88	12
135°	12	12	31	53	55	9
145°	16	12	14	26	30	9
155°	16	16	12	12	12	5
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°	9107.0	9107.0	9107.0	9107.0	<i>9107.0</i>
2.5°	9067.7	9107.0	9109.0	9164.0	<i>9158.1</i>
5°	9022.5	9091.3	9140.4	9221.0	<i>9211.2</i>
7.5°	8947.9	9055.9	9142.4	9230.8	<i>9222.9</i>
10°	8841.8	8989.1	9103.1	9175.8	<i>9152.2</i>
12.5°	8704.2	8898.7	9010.7	9026.5	<i>8981.3</i>
15°	8537.2	8776.9	8861.4	8794.6	<i>8723.9</i>
17.5°	8348.6	8629.6	8659.0	8513.6	<i>8425.2</i>
20°	8112.8	8433.1	8403.6	8203.2	<i>8104.9</i>
22.5°	7851.5	8216.9	8122.6	7912.4	<i>7818.1</i>
25°	7564.6	7969.4	7833.8	7686.4	<i>7694.3</i>
27.5°	7228.6	7688.4	7556.8	7623.6	<i>7749.3</i>
30°	6886.7	7393.7	7313.1	7702.2	<i>7949.7</i>
32.5°	6511.5	7091.1	7163.8	7932.0	<i>8336.8</i>
35°	6140.1	6788.5	7128.4	8313.2	<i>8845.7</i>
37.5°	5729.5	6482.0	7185.4	8753.3	<i>9311.4</i>
40°	5330.6	6183.3	7315.1	9148.3	<i>9619.8</i>
42.5°	<i>4923.9</i>	<i>5916.1</i>	<i>7533.2</i>	<i>9382.1</i>	<i>9749.5</i>
45°	4521.1	5688.2	7774.9	9413.5	<i>9610.0</i>
47.5°	4118.3	5495.6	7941.9	9164.0	<i>9073.6</i>
50°	3729.3	5324.7	7953.7	8564.7	<i>8195.3</i>
52.5°	3365.8	5167.5	7737.5	7609.8	<i>7036.1</i>
55°	3010.1	4982.8	7240.4	6348.4	<i>5643.0</i>
57.5°	2685.9	4727.4	6474.1	4992.6	<i>4222.4</i>
60°	2342.1	4381.6	5483.9	3652.6	<i>3045.5</i>
62.5°	2025.7	3951.3	4373.7	2542.5	<i>2188.8</i>
65°	1727.1	3452.2	3314.7	1843.0	<i>1585.6</i>
67.5°	1410.8	2935.5	2446.2	1343.9	<i>1178.9</i>
70°	1163.2	2456.0	1821.4	1045.3	<i>949.0</i>
72.5°	909.7	2000.2	1361.6	848.8	<i>795.8</i>
75°	695.6	1615.1	1064.9	729.0	<i>691.6</i>
77.5°	512.8	1277.1	856.7	644.5	<i>609.1</i>
80°	359.6	1006.0	717.2	575.7	<i>561.9</i>
82.5°	241.7	778.1	611.1	548.2	<i>550.2</i>
85°	147.4	575.7	542.3	530.5	<i>536.4</i>
87.5°	70.7	408.7	465.7	483.3	<i>489.2</i>
90°	2.0	208.3	357.6	408.7	<i>418.5</i>
92.5°	0.0	159.2	314.4	365.5	<i>375.3</i>
95°	3.9	121.8	284.9	334.0	<i>343.8</i>
97.5°	3.9	100.2	255.4	306.5	<i>312.4</i>
100°	5.9	86.5	227.9	277.0	<i>282.9</i>
102.5°	5.9	76.6	204.3	247.6	<i>251.5</i>
105°	7.9	68.8	184.7	222.0	<i>226.0</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	11.8	47.2	129.7	157.2	161.1
115°	11.8	39.3	114.0	139.5	143.4
117.5°	13.8	35.4	100.2	123.8	125.7
120°	13.8	29.5	86.5	110.0	112.0
122.5°	13.8	23.6	76.6	98.2	100.2
125°	13.8	19.6	66.8	86.5	88.4
127.5°	11.8	13.8	57.0	76.6	78.6
130°	11.8	11.8	47.2	66.8	70.7
132.5°	11.8	11.8	39.3	58.9	62.9
135°	11.8	11.8	31.4	53.1	55.0
137.5°	11.8	11.8	25.5	45.2	49.1
140°	11.8	11.8	19.6	39.3	41.3
142.5°	13.8	11.8	17.7	33.4	35.4
145°	15.7	11.8	13.8	25.5	29.5
147.5°	15.7	13.8	13.8	21.6	23.6
150°	15.7	15.7	11.8	15.7	19.6
152.5°	15.7	15.7	11.8	11.8	15.7
155°	15.7	15.7	11.8	11.8	11.8
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°	9.8	60.9	165.0	198.4	202.4
110°	9.8	53.1	145.4	176.8	180.8



(END OF REPORT)