

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: P830217

Luminaire Tested: **OHBL-30HE-NL-UNV-L840-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830217
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30HE-NL-UNV-L840-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 4000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

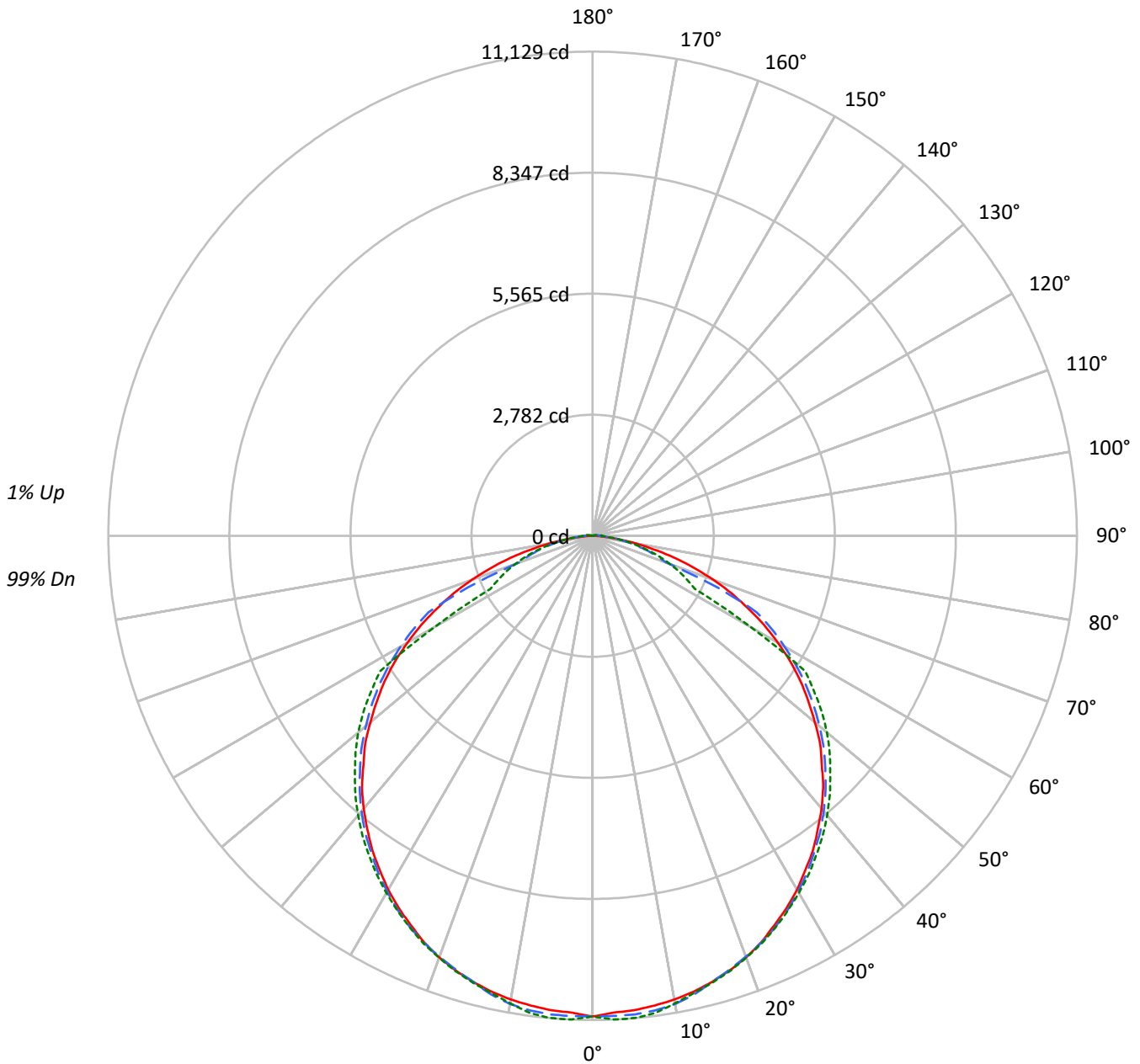
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31019.0 lumens
Efficiency: N/A
Efficacy: 189.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.8' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 163.8
Input Voltage (V): NR
Input Current (Ain): 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	111	111	111	106	106	106	102	102	102					99															
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86					84															
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73					71															
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62					60															
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53					51															
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46					44															
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41					39															
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36					34															
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32					30															
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29					27															
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26					25															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17472	17472	17472
5°	17376	17533	17665
10°	17381	17546	17524
15°	17378	17375	17413
20°	17354	17328	17370
25°	17235	17323	17337
30°	17156	17244	17312
35°	17044	17138	17299
40°	16897	17057	17310
45°	16654	16905	17274
50°	16403	16737	17290
55°	16089	16506	17099
60°	15550	16102	13312
65°	14712	15567	8959
70°	13607	8264	8695
75°	11869	7853	8303
80°	9127	7204	7610
85°	4607	7282	7456



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1049.6	3.4
10°-20°	3005.3	9.7
20°-30°	4572.9	14.7
30°-40°	5560.0	17.9
40°-50°	5846.1	18.8
50°-60°	5338.1	17.2
60°-70°	3422.0	11.0
70°-80°	1616.5	5.2
80°-90°	448.3	1.4
90°-100°	118.7	0.4
100°-110°	32.5	0.1
110°-120°	9.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	8627.8	27.8
0°-40°	14187.8	45.7
0°-60°	25372.0	81.8
0°-90°	30858.8	99.5
90°-120°	160.2	0.5
90°-150°	160.2	0.5
90°-180°	160.0	0.5
0°-180°	31019.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11048	11048	11048	11048	11048	
5°	10945	10988	11044	11104	11128	###
15°	10614	10693	10612	10627	10635	2996
25°	9877	9893	9928	9943	9935	4558
35°	8828	8776	8877	8986	8960	5517
45°	7446	7433	7559	7737	7723	5755
55°	5835	5791	5986	6186	6202	5204
65°	3932	3932	4160	2386	2394	3898
75°	1942	1979	1285	1353	1359	2048
85°	254	322	401	434	411	375
90°	0	109	178	211	208	11
95°	6	56	128	173	173	3
105°	10	21	31	31	29	10
115°	10	14	19	14	2	7
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11048.2	11048.2	11048.2	11048.2	<i>11048.2</i>
2.5°	<i>10970.6</i>	<i>11007.5</i>	<i>11048.2</i>	<i>11100.5</i>	<i>11129.4</i>
5°	10945.3	10988.0	11044.3	11104.4	<i>11127.6</i>
7.5°	10891.2	10951.1	11005.5	11048.2	<i>11061.7</i>
10°	10823.2	10895.1	10926.0	10922.1	<i>10912.5</i>
12.5°	10732.1	10807.8	10798.2	10753.4	<i>10761.2</i>
15°	10613.9	10693.3	10612.0	10627.4	<i>10635.2</i>
17.5°	10474.3	10551.9	10456.9	10487.8	<i>10489.9</i>
20°	10311.5	10369.6	10295.9	10321.2	<i>10321.2</i>
22.5°	10115.7	10156.4	10125.4	10142.8	<i>10146.7</i>
25°	9877.2	9892.6	9927.5	9943.1	<i>9935.3</i>
27.5°	9648.6	9629.1	9697.0	9733.8	<i>9714.3</i>
30°	9394.5	9363.5	9442.9	9503.1	<i>9479.9</i>
32.5°	9103.7	9084.4	9175.5	9247.1	<i>9233.6</i>
35°	8828.4	8776.1	8876.9	8985.5	<i>8960.2</i>
37.5°	8502.7	8471.7	8586.0	8700.6	<i>8687.0</i>
40°	8184.8	8132.4	8262.4	8398.0	<i>8384.5</i>
42.5°	7843.7	7781.5	7923.1	8086.1	<i>8070.5</i>
45°	7446.1	7432.6	7558.6	7736.9	<i>7723.4</i>
47.5°	7093.5	7025.6	7201.9	7374.5	<i>7390.1</i>
50°	6666.8	6641.8	6802.7	7012.0	<i>7027.4</i>
52.5°	6250.1	6232.7	6401.2	6612.6	<i>6639.7</i>
55°	5835.1	5790.6	5986.4	6186.1	<i>6201.7</i>
57.5°	5391.4	5344.8	5544.5	5761.7	<i>5794.5</i>
60°	4916.2	4871.7	5090.7	5292.5	<i>4208.8</i>
62.5°	4441.3	4410.3	4639.2	3286.0	<i>2648.3</i>
65°	3931.5	3931.5	4160.1	2386.4	<i>2394.2</i>
67.5°	3454.7	3423.7	3101.9	2144.0	<i>2144.0</i>
70°	2942.8	2954.5	1787.3	1878.6	<i>1880.5</i>
72.5°	2429.1	2471.8	1543.2	1616.7	<i>1620.6</i>
75°	1942.4	1979.4	1285.2	1353.2	<i>1358.9</i>
77.5°	1426.9	1097.2	1033.2	1085.7	<i>1087.6</i>
80°	1002.2	692.1	791.0	841.3	<i>835.6</i>
82.5°	585.4	484.6	579.6	616.6	<i>614.5</i>
85°	253.9	321.8	401.3	434.3	<i>410.9</i>
87.5°	81.3	199.7	250.0	269.5	<i>267.4</i>
90°	0.0	108.6	178.4	211.2	<i>207.5</i>
92.5°	0.0	85.2	155.2	194.0	<i>195.8</i>
95°	5.7	56.2	128.1	172.6	<i>172.6</i>
97.5°	3.9	40.6	91.1	135.7	<i>139.6</i>
100°	3.9	32.8	60.1	96.9	<i>98.9</i>
102.5°	9.6	27.1	36.7	62.0	<i>64.0</i>
105°	9.6	21.3	31.0	31.0	<i>29.1</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	11.7	15.6	21.3	15.6	1.8
115°	9.6	13.5	19.3	13.5	1.8
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
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°	9.6	19.3	27.1	17.4	5.7
110°	11.7	17.4	23.2	15.6	1.8



(END OF REPORT)