

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: P829374

Luminaire Tested: **OHB-30SE-A-UNV-L750-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829374
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: OHB-30SE-A-UNV-L750-CD
Description: 30000 LUMEN OHB SE LED LUMINAIRE WITH 70CRI, 5000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

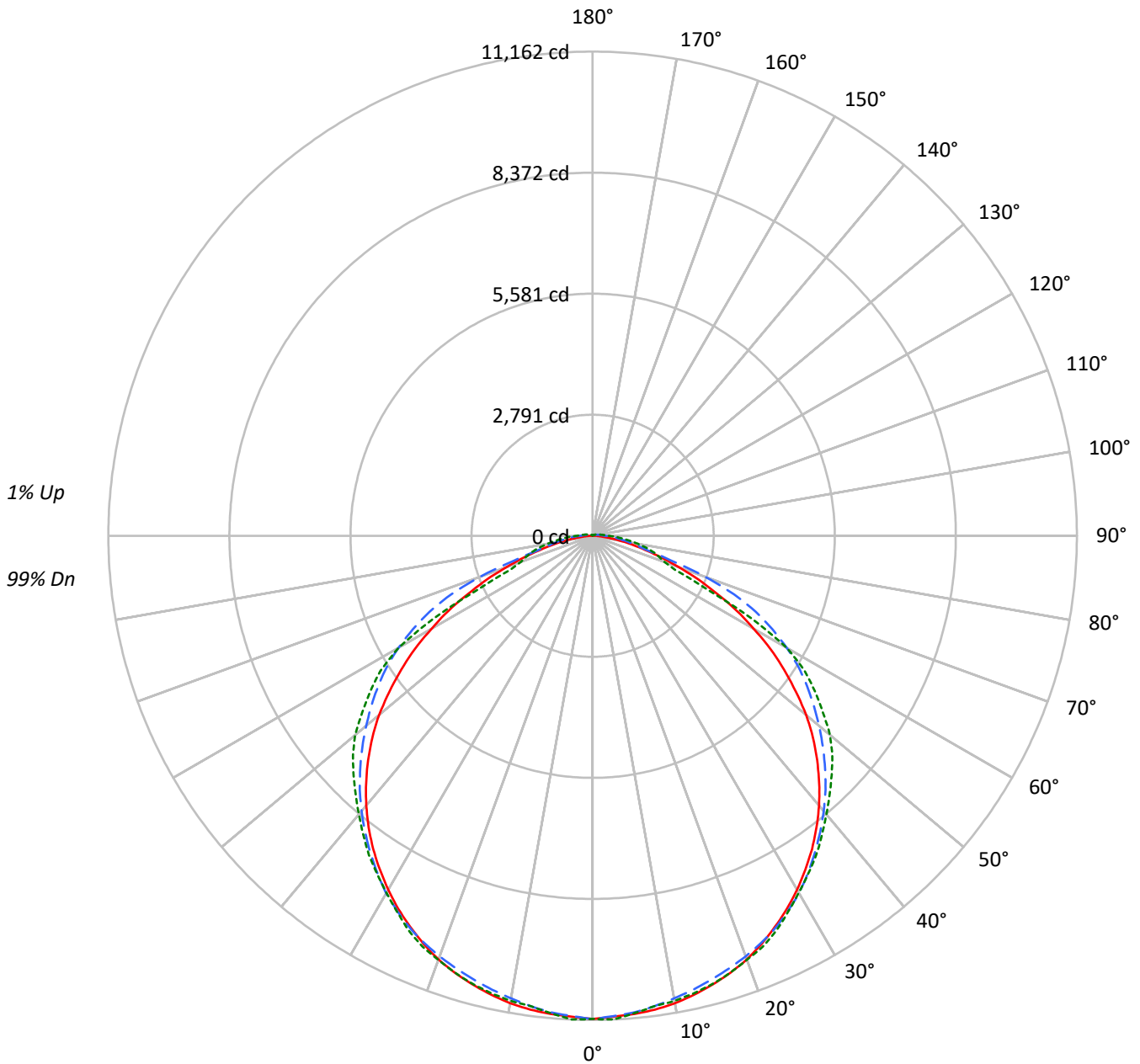
Lumens per Lamp: N/A
Luminaire Lumens: 31485.0 lumens
Efficiency: N/A
Efficacy: 174.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1.93' x H: 0.17')
CIE Type: Direct

Input Watts (W): 181
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°	37211	37211	37211
5°	36833	36560	36724
10°	36563	35898	36293
15°	36195	35376	36027
20°	35824	35007	35684
25°	35248	34633	35343
30°	34628	34106	34649
35°	33908	33335	34253
40°	33011	32535	33721
45°	31824	31621	33466
50°	30271	30590	33162
55°	27921	29553	31881
60°	24914	28100	29424
65°	21081	25573	18607
70°	16661	19707	13451
75°	12141	11485	13594
80°	8053	9277	12891
85°	4135	8058	11925



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1050.3	3.3
10°-20°	3011.9	9.6
20°-30°	4600.1	14.6
30°-40°	5581.5	17.7
40°-50°	5849.9	18.6
50°-60°	5300.9	16.8
60°-70°	3554.1	11.3
70°-80°	1595.9	5.1
80°-90°	579.1	1.8
90°-100°	174.3	0.6
100°-110°	82.2	0.3
110°-120°	41.2	0.1
120°-130°	22.7	0.1
130°-140°	15.6	0.0
140°-150°	10.5	0.0
150°-160°	7.8	0.0
160°-170°	5.0	0.0
170°-180°	1.6	0.0
0°-30°	8662.3	27.5
0°-40°	14243.9	45.2
0°-60°	25394.7	80.7
0°-90°	31123.9	98.9
90°-120°	297.8	0.9
90°-150°	346.7	1.1
90°-180°	361.0	1.1
0°-180°	31485.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11139	11139	11139	11139	11139	
5°	11067	11106	11028	11062	11048	###
15°	10708	10666	10590	10684	10696	3023
25°	9948	9904	9973	10065	10036	4585
35°	8817	8838	8928	9023	8988	5511
45°	7317	7436	7575	7768	7792	5637
55°	5384	5644	6029	6270	6256	4806
65°	3160	3655	4149	3502	2859	3149
75°	1243	1804	1327	1358	1446	1359
85°	214	411	527	636	667	261
90°	2	137	272	342	358	13
95°	2	85	187	227	234	2
105°	6	37	92	111	116	7
115°	13	19	47	60	63	12
125°	11	13	29	34	35	11
135°	14	16	18	26	27	12
145°	14	16	16	18	19	10
155°	16	18	18	18	16	7
165°	18	18	18	18	18	5
175°	18	18	16	14	14	2
180°	16	16	16	16	16	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11139.4	11139.4	11139.4	11139.4	<i>11139.4</i>
2.5°	<i>11094.3</i>	<i>11141.0</i>	<i>11083.0</i>	<i>11145.9</i>	<i>11162.0</i>
5°	11066.9	11105.6	11028.3	11062.1	<i>11047.6</i>
7.5°	11017.0	11029.9	10938.1	10965.5	<i>10936.5</i>
10°	10942.9	10936.5	10828.6	10881.7	<i>10888.2</i>
12.5°	10833.4	10814.1	10717.4	10798.0	<i>10799.6</i>
15°	10707.8	10665.9	10590.2	10683.6	<i>10696.5</i>
17.5°	10562.8	10508.0	10458.1	10578.9	<i>10559.6</i>
20°	10393.7	10329.3	10319.6	10451.7	<i>10403.3</i>
22.5°	10184.3	10134.4	10156.9	10282.5	<i>10251.9</i>
25°	9947.5	9904.0	9973.3	10065.1	<i>10036.1</i>
27.5°	9697.9	9672.1	9751.0	9821.9	<i>9765.5</i>
30°	9424.1	9409.6	9514.2	9572.2	<i>9501.4</i>
32.5°	9126.1	9130.9	9230.8	9309.7	<i>9243.7</i>
35°	8816.8	8837.8	8928.0	9023.0	<i>8987.6</i>
37.5°	8477.0	8523.7	8613.9	8721.8	<i>8684.8</i>
40°	8117.8	8185.4	8285.3	8415.8	<i>8381.9</i>
42.5°	7729.6	7815.0	7943.8	8088.8	<i>8085.6</i>
45°	7317.3	7436.5	7575.0	7768.3	<i>7792.4</i>
47.5°	6888.9	7022.5	7198.1	7455.8	<i>7492.9</i>
50°	6423.4	6590.9	6809.9	7119.2	<i>7141.7</i>
52.5°	5904.7	6133.4	6423.4	6719.7	<i>6692.3</i>
55°	5384.5	5643.8	6028.8	6270.4	<i>6255.9</i>
57.5°	4865.8	5157.4	5624.5	5796.8	<i>5795.2</i>
60°	4286.0	4654.8	5165.4	5295.9	<i>5167.0</i>
62.5°	3749.6	4145.9	4675.8	4580.8	<i>4139.4</i>
65°	3160.1	3654.6	4149.1	3501.6	<i>2858.9</i>
67.5°	2636.7	3152.1	3524.2	2398.3	<i>2053.6</i>
70°	2110.0	2678.6	2747.8	1779.8	<i>1755.6</i>
72.5°	1642.9	2248.5	1895.8	1523.7	<i>1601.0</i>
75°	1243.4	1804.0	1327.2	1357.8	<i>1446.4</i>
77.5°	906.8	1385.2	1032.4	1190.3	<i>1262.8</i>
80°	623.3	980.9	842.4	1000.2	<i>1050.2</i>
82.5°	391.4	647.5	674.9	805.3	<i>856.9</i>
85°	214.2	410.7	526.7	636.2	<i>666.8</i>
87.5°	88.6	248.0	402.7	491.3	<i>517.0</i>
90°	1.6	136.9	272.2	341.5	<i>357.6</i>
92.5°	1.6	104.7	222.3	275.4	<i>286.7</i>
95°	1.6	85.4	186.8	227.1	<i>233.5</i>
97.5°	3.2	67.6	156.2	188.4	<i>194.9</i>
100°	4.8	56.4	130.5	157.8	<i>162.7</i>
102.5°	6.4	45.1	109.5	132.1	<i>136.9</i>
105°	6.4	37.0	91.8	111.1	<i>116.0</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	11.3	22.5	54.8	69.3	72.5
115°	12.9	19.3	46.7	59.6	62.8
117.5°	12.9	16.1	40.3	49.9	53.2
120°	12.9	14.5	35.4	43.5	45.1
122.5°	12.9	12.9	30.6	38.7	40.3
125°	11.3	12.9	29.0	33.8	35.4
127.5°	12.9	12.9	25.8	30.6	32.2
130°	12.9	14.5	22.5	29.0	29.0
132.5°	14.5	16.1	20.9	27.4	27.4
135°	14.5	16.1	17.7	25.8	27.4
137.5°	16.1	16.1	16.1	24.2	25.8
140°	16.1	16.1	14.5	20.9	22.5
142.5°	14.5	16.1	14.5	19.3	20.9
145°	14.5	16.1	16.1	17.7	19.3
147.5°	16.1	16.1	16.1	16.1	17.7
150°	16.1	16.1	16.1	16.1	16.1
152.5°	16.1	16.1	16.1	16.1	16.1
155°	16.1	17.7	17.7	17.7	16.1
157.5°	16.1	17.7	17.7	17.7	17.7
160°	16.1	17.7	17.7	17.7	17.7
162.5°	17.7	17.7	17.7	17.7	17.7
165°	17.7	17.7	17.7	17.7	17.7
167.5°	17.7	19.3	17.7	17.7	17.7
170°	17.7	17.7	17.7	16.1	16.1
172.5°	17.7	17.7	17.7	16.1	16.1
175°	17.7	17.7	16.1	14.5	14.5
177.5°	19.3	17.7	16.1	14.5	12.9
180°	16.1	16.1	16.1	16.1	16.1



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	8.1	30.6	78.9	95.0	98.3
110°	9.7	25.8	66.0	80.5	83.8



(END OF REPORT)