

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: P829389

Luminaire Tested: **OHB-30SE-MCL-UNV-L840-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829389
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-MCL-UNV-L840-CD
Description: 30000 LUMEN OHB SE LED LUMINAIRE WITH 80CRI, 4000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

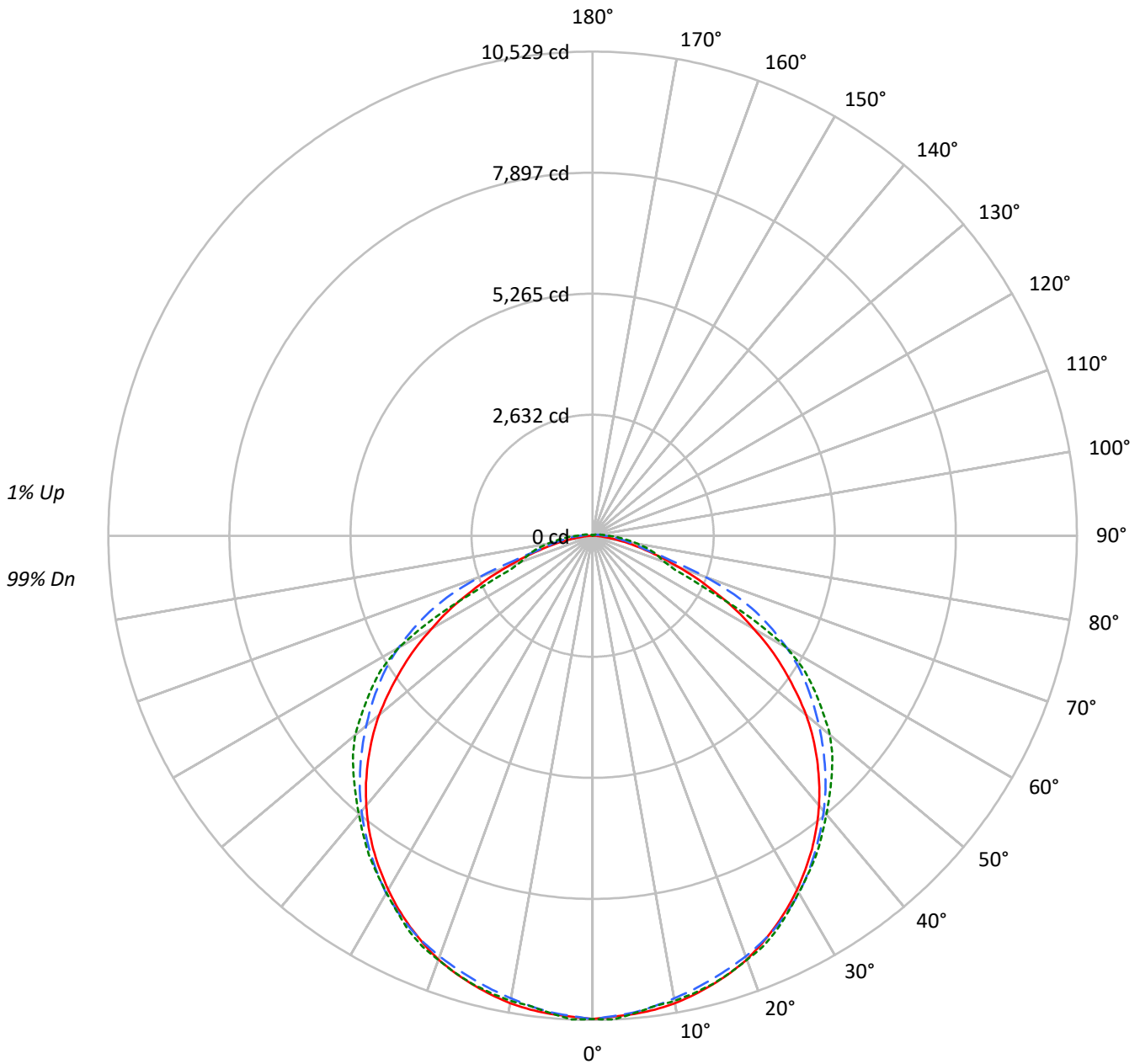
Lumens per Lamp: N/A
Luminaire Lumens: 29700.0 lumens
Efficiency: N/A
Efficacy: 164.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1.93' x H: 0.17')
CIE Type: Direct

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°	35102	35102	35102
5°	34744	34487	34642
10°	34490	33862	34236
15°	34143	33371	33984
20°	33793	33022	33661
25°	33250	32670	33339
30°	32665	32173	32684
35°	31986	31445	32311
40°	31140	30690	31809
45°	30020	29829	31569
50°	28555	28855	31282
55°	26338	27878	30073
60°	23502	26508	27756
65°	19886	24124	17552
70°	15717	18590	12688
75°	11453	10834	12823
80°	7597	8750	12159
85°	3901	7601	11249



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	990.8	3.3
10°-20°	2841.1	9.6
20°-30°	4339.3	14.6
30°-40°	5265.1	17.7
40°-50°	5518.3	18.6
50°-60°	5000.4	16.8
60°-70°	3352.6	11.3
70°-80°	1505.4	5.1
80°-90°	546.3	1.8
90°-100°	164.4	0.6
100°-110°	77.6	0.3
110°-120°	38.9	0.1
120°-130°	21.5	0.1
130°-140°	14.8	0.0
140°-150°	9.9	0.0
150°-160°	7.4	0.0
160°-170°	4.7	0.0
170°-180°	1.5	0.0
0°-30°	8171.2	27.5
0°-40°	13436.3	45.2
0°-60°	23955.0	80.7
0°-90°	29359.3	98.9
90°-120°	280.9	0.9
90°-150°	327.1	1.1
90°-180°	341.0	1.1
0°-180°	29700.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10508	10508	10508	10508	10508	
5°	10440	10476	10403	10435	10421	993
15°	10101	10061	9990	10078	10090	2852
25°	9384	9342	9408	9494	9467	4325
35°	8317	8337	8422	8511	8478	5198
45°	6902	7015	7146	7328	7351	5317
55°	5079	5324	5687	5915	5901	4534
65°	2981	3447	3914	3303	2697	2970
75°	1173	1702	1252	1281	1364	1282
85°	202	387	497	600	629	247
90°	2	129	257	322	337	12
95°	2	80	176	214	220	2
105°	6	35	87	105	109	7
115°	12	18	44	56	59	11
125°	11	12	27	32	33	11
135°	14	15	17	24	26	11
145°	14	15	15	17	18	9
155°	15	17	17	17	15	7
165°	17	17	17	17	17	5
175°	17	17	15	14	14	2
180°	15	15	15	15	15	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10507.9	10507.9	10507.9	10507.9	10507.9
2.5°	10465.3	10509.4	10454.7	10514.0	10529.2
5°	10439.5	10476.0	10403.0	10435.0	10421.3
7.5°	10392.4	10404.6	10318.0	10343.8	10316.4
10°	10322.5	10316.4	10214.6	10264.8	10270.9
12.5°	10219.2	10201.0	10109.8	10185.8	10187.3
15°	10100.7	10061.2	9989.8	10077.9	10090.1
17.5°	9964.0	9912.3	9865.2	9979.1	9960.9
20°	9804.4	9743.6	9734.5	9859.1	9813.5
22.5°	9606.9	9559.8	9581.1	9699.6	9670.7
25°	9383.6	9342.5	9407.9	9494.5	9467.1
27.5°	9148.1	9123.7	9198.2	9265.0	9211.9
30°	8889.8	8876.1	8974.9	9029.5	8962.7
32.5°	8608.7	8613.2	8707.4	8781.9	8719.6
35°	8317.0	8336.7	8421.8	8511.4	8478.0
37.5°	7996.4	8040.4	8125.5	8227.3	8192.4
40°	7657.6	7721.4	7815.6	7938.6	7906.7
42.5°	7291.4	7371.9	7493.5	7630.2	7627.2
45°	6902.4	7014.9	7145.5	7327.9	7350.7
47.5°	6498.3	6624.4	6790.0	7033.1	7068.1
50°	6059.2	6217.2	6423.8	6715.6	6736.8
52.5°	5570.0	5785.7	6059.2	6338.8	6312.9
55°	5079.2	5323.8	5687.0	5914.9	5901.2
57.5°	4590.0	4865.0	5305.6	5468.2	5466.7
60°	4043.0	4390.9	4872.6	4995.7	4874.1
62.5°	3537.1	3910.8	4410.7	4321.1	3904.8
65°	2981.0	3447.4	3913.9	3303.1	2696.9
67.5°	2487.2	2973.4	3324.4	2262.3	1937.2
70°	1990.4	2526.7	2592.0	1678.9	1656.1
72.5°	1549.7	2121.0	1788.3	1437.3	1510.2
75°	1172.9	1701.7	1252.0	1280.8	1364.4
77.5°	855.4	1306.6	973.9	1122.8	1191.2
80°	588.0	925.3	794.6	943.5	990.6
82.5°	369.2	610.8	636.6	759.7	808.3
85°	202.1	387.4	496.8	600.1	629.0
87.5°	83.6	234.0	379.8	463.4	487.7
90°	1.5	129.1	256.8	322.1	337.3
92.5°	1.5	98.8	209.7	259.8	270.4
95°	1.5	80.5	176.2	214.2	220.3
97.5°	3.0	63.8	147.4	177.8	183.8
100°	4.6	53.2	123.1	148.9	153.5
102.5°	6.1	42.5	103.3	124.6	129.1
105°	6.1	34.9	86.6	104.8	109.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	10.6	21.3	51.7	65.3	68.4
115°	12.2	18.2	44.1	56.2	59.3
117.5°	12.2	15.2	38.0	47.1	50.1
120°	12.2	13.7	33.4	41.0	42.5
122.5°	12.2	12.2	28.9	36.5	38.0
125°	10.6	12.2	27.3	31.9	33.4
127.5°	12.2	12.2	24.3	28.9	30.4
130°	12.2	13.7	21.3	27.3	27.3
132.5°	13.7	15.2	19.8	25.8	25.8
135°	13.7	15.2	16.7	24.3	25.8
137.5°	15.2	15.2	15.2	22.8	24.3
140°	15.2	15.2	13.7	19.8	21.3
142.5°	13.7	15.2	13.7	18.2	19.8
145°	13.7	15.2	15.2	16.7	18.2
147.5°	15.2	15.2	15.2	15.2	16.7
150°	15.2	15.2	15.2	15.2	15.2
152.5°	15.2	15.2	15.2	15.2	15.2
155°	15.2	16.7	16.7	16.7	15.2
157.5°	15.2	16.7	16.7	16.7	16.7
160°	15.2	16.7	16.7	16.7	16.7
162.5°	16.7	16.7	16.7	16.7	16.7
165°	16.7	16.7	16.7	16.7	16.7
167.5°	16.7	18.2	16.7	16.7	16.7
170°	16.7	16.7	16.7	15.2	15.2
172.5°	16.7	16.7	16.7	15.2	15.2
175°	16.7	16.7	15.2	13.7	13.7
177.5°	18.2	16.7	15.2	13.7	12.2
180°	15.2	15.2	15.2	15.2	15.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	7.6	28.9	74.4	89.6	92.7
110°	9.1	24.3	62.3	76.0	79.0



(END OF REPORT)