

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: P829436

Luminaire Tested: **OHB-30SE-W-UNV-L835-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829436
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: OHB-30SE-W-UNV-L835-CD
Description: 30000 LUMEN OHB SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

Summary

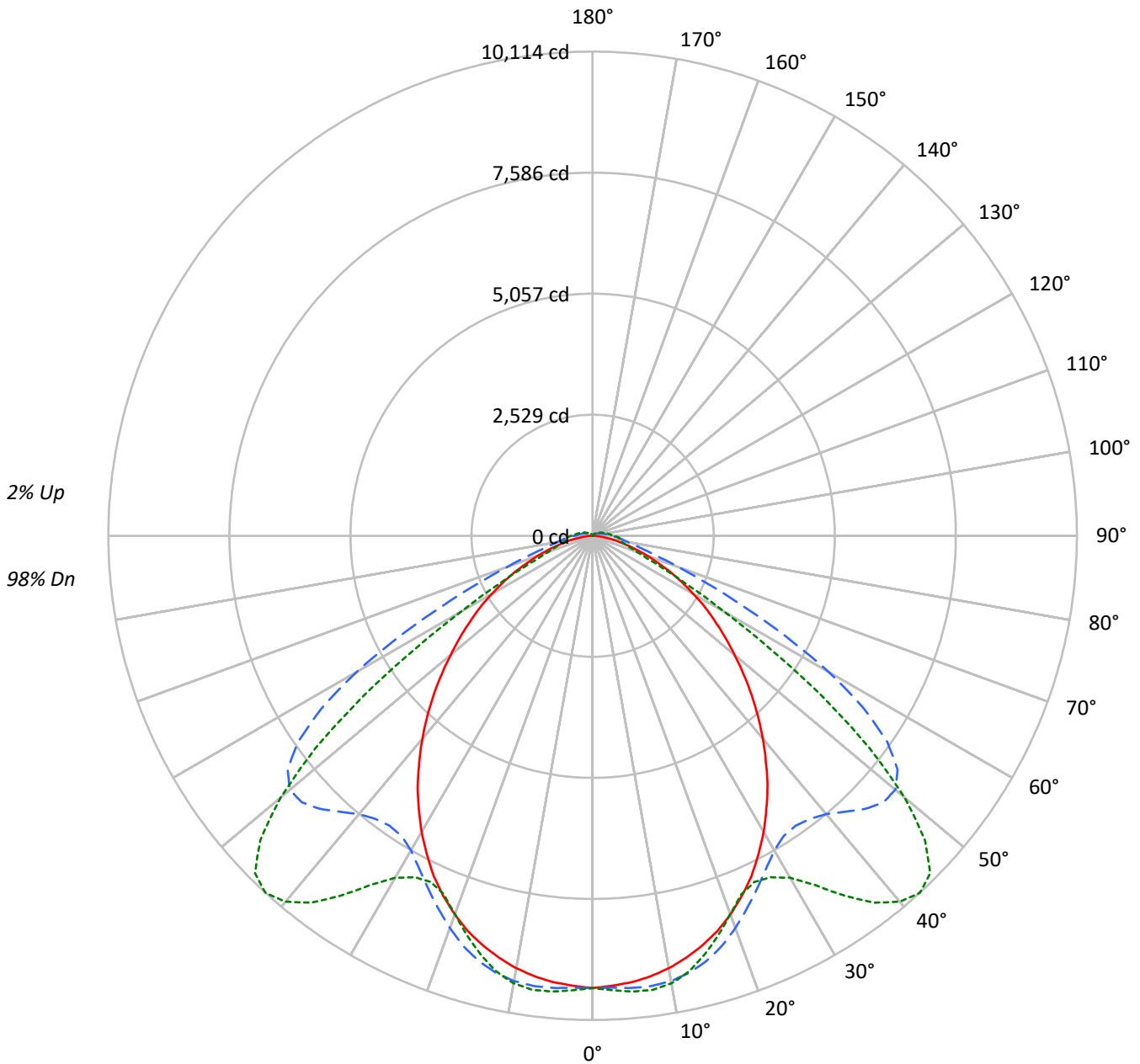
Lumens per Lamp: N/A
Luminaire Lumens: 28288.0 lumens
Efficiency: N/A
Efficacy: 156.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1.93' x H: 0.17')
CIE Type: Direct

Input Watts (W): 181
Input Voltage (V): NR
Input Current (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				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°	31560	31560	31560
5°	31152	31435	31765
10°	30648	31306	31648
15°	29938	30709	30482
20°	29009	29574	28840
25°	27807	28221	28110
30°	26251	27196	30075
35°	24497	27611	34973
40°	22488	29799	40149
45°	20399	33670	42816
50°	18232	37064	39478
55°	16193	36821	29833
60°	14124	30949	17991
65°	11952	21195	10706
70°	9529	13551	7543
75°	7046	9561	6743
80°	4819	8193	7156
85°	2952	8607	9952



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	902.8	3.2
10°-20°	2556.5	9.0
20°-30°	3741.1	13.2
30°-40°	4858.6	17.2
40°-50°	5932.9	21.0
50°-60°	5224.9	18.5
60°-70°	2722.7	9.6
70°-80°	1167.6	4.1
80°-90°	560.7	2.0
90°-100°	263.4	0.9
100°-110°	163.7	0.6
110°-120°	96.8	0.3
120°-130°	52.6	0.2
130°-140°	26.4	0.1
140°-150°	12.7	0.0
150°-160°	4.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7200.5	25.5
0°-40°	12059.0	42.6
0°-60°	23216.8	82.1
0°-90°	27667.9	97.8
90°-120°	524.0	1.9
90°-150°	615.7	2.2
90°-180°	620.0	2.2
0°-180°	28288.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9448	9448	9448	9448	9448	
5°	9360	9431	9482	9566	9556	888
15°	8857	9105	9193	9124	9050	2494
25°	7848	8268	8127	7974	7982	3601
35°	6370	7042	7395	8624	9177	3970
45°	4690	5901	8066	9766	9970	3616
55°	3123	5169	7511	6586	5854	2803
65°	1792	3581	3439	1912	1645	1773
75°	722	1676	1105	756	718	787
85°	153	597	563	550	556	170
90°	2	216	371	424	434	11
95°	4	126	296	346	357	3
105°	8	71	192	230	234	9
115°	12	41	118	145	149	13
125°	14	20	69	90	92	12
135°	12	12	33	55	57	9
145°	16	12	14	26	31	10
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°	9447.7	9447.7	9447.7	9447.7	9447.7
2.5°	9406.9	9447.7	9449.7	9506.8	9500.7
5°	9360.0	9431.4	9482.3	9565.9	9555.7
7.5°	9282.6	9394.7	9484.4	9576.1	9567.9
10°	9172.5	9325.4	9443.6	9519.0	9494.6
12.5°	9029.8	9231.6	9347.8	9364.1	9317.2
15°	8856.6	9105.2	9192.9	9123.6	9050.2
17.5°	8660.9	8952.4	8982.9	8832.1	8740.4
20°	8416.3	8748.5	8718.0	8510.0	8408.1
22.5°	8145.2	8524.3	8426.5	8208.4	8110.5
25°	7847.6	8267.5	8126.8	7974.0	7982.1
27.5°	7499.0	7976.0	7839.4	7908.7	8039.2
30°	7144.4	7670.2	7586.7	7990.3	8247.1
32.5°	6755.0	7356.3	7431.8	8228.8	8648.6
35°	6369.8	7042.4	7395.1	8624.2	9176.6
37.5°	5943.8	6724.5	7454.2	9080.8	9659.7
40°	5530.0	6414.6	7588.7	9490.5	9979.7
42.5°	5108.1	6137.4	7815.0	9733.0	10114.2
45°	4690.2	5901.0	8065.7	9765.7	9969.5
47.5°	4272.3	5701.2	8238.9	9506.8	9413.0
50°	3868.8	5523.9	8251.2	8885.1	8501.9
52.5°	3491.7	5360.8	8027.0	7894.5	7299.3
55°	3122.7	5169.2	7511.3	6585.9	5854.1
57.5°	2786.4	4904.2	6716.3	5179.4	4380.4
60°	2429.7	4545.5	5689.0	3789.3	3159.4
62.5°	2101.5	4099.1	4537.3	2637.6	2270.7
65°	1791.7	3581.4	3438.7	1912.0	1644.9
67.5°	1463.5	3045.3	2537.7	1394.2	1223.0
70°	1206.7	2547.9	1889.5	1084.4	984.5
72.5°	943.7	2075.0	1412.6	880.6	825.5
75°	721.6	1675.5	1104.8	756.2	717.5
77.5°	532.0	1324.9	888.7	668.6	631.9
80°	373.0	1043.6	744.0	597.2	583.0
82.5°	250.7	807.2	633.9	568.7	570.7
85°	152.9	597.2	562.6	550.4	556.5
87.5°	73.4	424.0	483.1	501.4	507.5
90°	2.0	216.1	371.0	424.0	434.2
92.5°	0.0	165.1	326.1	379.1	389.3
95°	4.1	126.4	295.6	346.5	356.7
97.5°	4.1	104.0	265.0	318.0	324.1
100°	6.1	89.7	236.4	287.4	293.5
102.5°	6.1	79.5	212.0	256.8	260.9
105°	8.2	71.3	191.6	230.3	234.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	12.2	48.9	134.5	163.1	167.1
115°	12.2	40.8	118.2	144.7	148.8
117.5°	14.3	36.7	104.0	128.4	130.5
120°	14.3	30.6	89.7	114.1	116.2
122.5°	14.3	24.5	79.5	101.9	104.0
125°	14.3	20.4	69.3	89.7	91.7
127.5°	12.2	14.3	59.1	79.5	81.5
130°	12.2	12.2	48.9	69.3	73.4
132.5°	12.2	12.2	40.8	61.2	65.2
135°	12.2	12.2	32.6	55.0	57.1
137.5°	12.2	12.2	26.5	46.9	51.0
140°	12.2	12.2	20.4	40.8	42.8
142.5°	14.3	12.2	18.3	34.7	36.7
145°	16.3	12.2	14.3	26.5	30.6
147.5°	16.3	14.3	14.3	22.4	24.5
150°	16.3	16.3	12.2	16.3	20.4
152.5°	16.3	16.3	12.2	12.2	16.3
155°	16.3	16.3	12.2	12.2	12.2
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°	10.2	63.2	171.2	205.9	209.9
110°	10.2	55.0	150.8	183.5	187.5



(END OF REPORT)