

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: P829628

Luminaire Tested: **OHB-9SE-N-UNV-L835-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-9SE-N-UNV-L835-CD
Description: 9000 LUMEN OHB SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

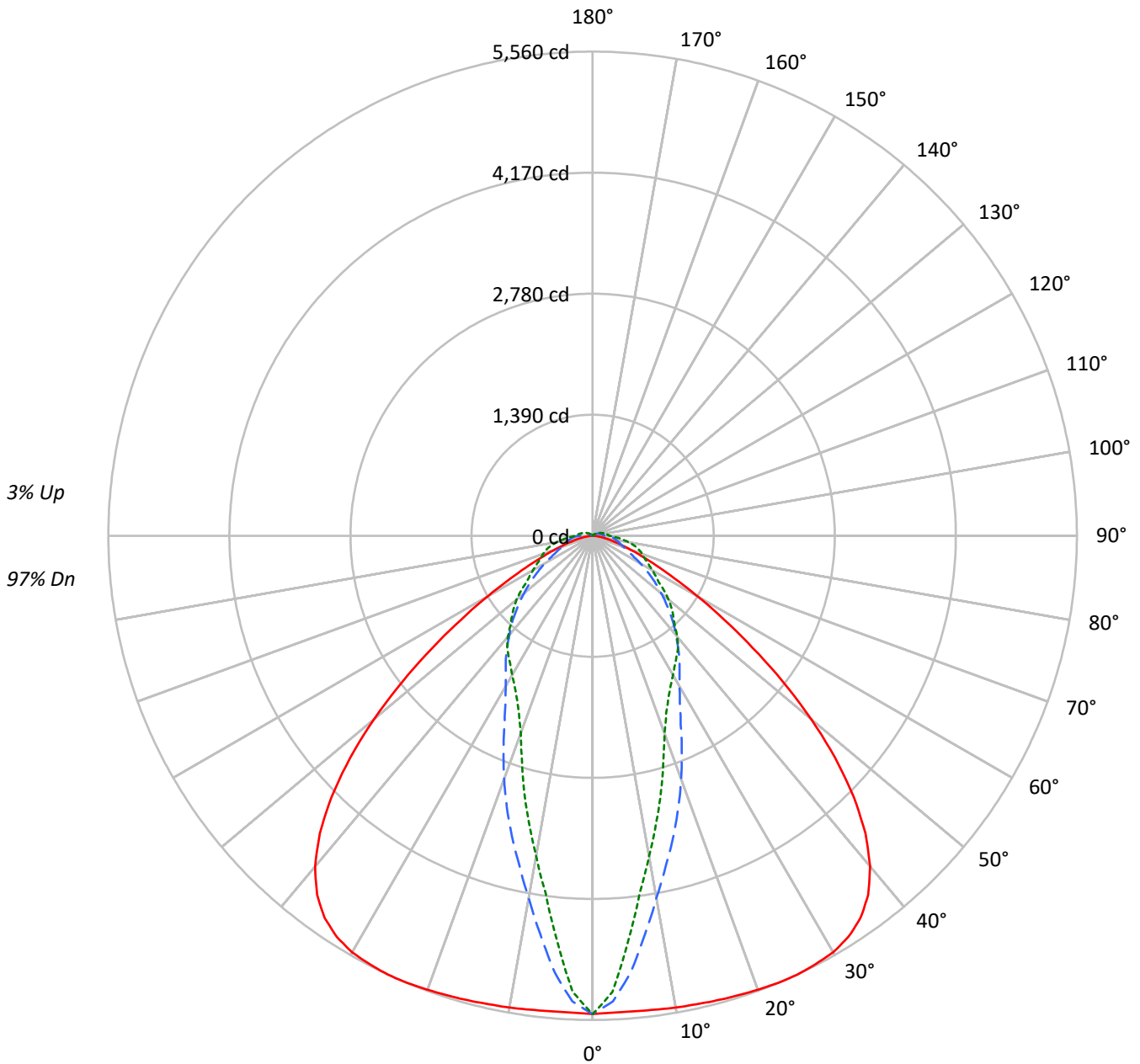
Lumens per Lamp: N/A
Luminaire Lumens: 8106.0 lumens
Efficiency: N/A
Efficacy: 150.1 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 1.93' x H: 0.17')
CIE Type: Direct

Input Watts (W): 54
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				
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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	85	82
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	73	71
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	64	62
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	56	54
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	50	48
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	45	43
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	41	39
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	37	35
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	34	32
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	34946	34946	34946
5°	34748	31568	29359
10°	35011	26379	23360
15°	35561	22379	19025
20°	36418	18768	15266
25°	37524	15403	13266
30°	38652	13151	12217
35°	39268	11870	11532
40°	38392	10610	10829
45°	35106	9477	9913
50°	29411	8261	9185
55°	22159	7124	8050
60°	15366	5996	7568
65°	10196	5045	7241
70°	6832	4592	7372
75°	4609	4538	7556
80°	3022	4712	7300
85°	1596	5271	6858



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.3	5.7
10°-20°	1087.6	13.4
20°-30°	1363.3	16.8
30°-40°	1446.6	17.8
40°-50°	1308.0	16.1
50°-60°	948.4	11.7
60°-70°	595.1	7.3
70°-80°	393.9	4.9
80°-90°	226.9	2.8
90°-100°	109.9	1.4
100°-110°	75.9	0.9
110°-120°	46.8	0.6
120°-130°	22.7	0.3
130°-140°	10.4	0.1
140°-150°	5.7	0.1
150°-160°	2.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2913.3	35.9
0°-40°	4359.9	53.8
0°-60°	6616.2	81.6
0°-90°	7832.1	96.6
90°-120°	232.6	2.9
90°-150°	271.4	3.3
90°-180°	274.0	3.4
0°-180°	8106.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5492	5492	5492	5492	5492	
5°	5481	5341	5027	4794	4673	524
15°	5523	4502	3575	3180	3036	1566
25°	5560	3481	2394	2125	2057	2568
35°	5360	2314	1738	1683	1683	3332
45°	4238	1466	1259	1290	1312	3228
55°	2244	908	822	891	923	2027
65°	802	527	476	610	677	835
75°	248	284	319	496	526	276
85°	43	118	234	325	298	52
90°	0	49	135	191	192	3
95°	2	34	119	162	169	2
105°	4	23	87	115	118	4
115°	6	16	58	73	75	6
125°	6	8	30	38	37	5
135°	5	6	13	20	20	4
145°	6	7	8	12	12	4
155°	6	8	8	9	8	2
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°	5492.2	5492.2	5492.2	5492.2	5492.2
2.5°	5480.7	5449.4	5351.6	5292.0	5241.9
5°	5481.3	5340.7	5027.0	4793.9	4673.1
7.5°	5489.1	5176.5	4611.5	4271.2	4138.4
10°	5501.1	4973.2	4223.6	3860.8	3736.9
12.5°	5510.0	4744.2	3882.3	3509.6	3373.7
15°	5523.1	4501.7	3575.4	3179.7	3035.5
17.5°	5535.1	4273.3	3272.2	2858.8	2698.3
20°	5547.1	4027.1	2969.1	2543.0	2410.8
22.5°	5558.6	3767.3	2673.2	2297.9	2207.5
25°	5559.7	3480.8	2394.1	2124.9	2057.4
27.5°	5546.1	3183.9	2167.7	1980.1	1938.3
30°	5522.6	2895.9	1992.1	1875.5	1845.7
32.5°	5464.0	2602.1	1856.2	1774.6	1757.4
35°	5360.5	2314.1	1737.5	1683.2	1682.6
37.5°	5197.4	2058.5	1608.9	1599.5	1611.0
40°	4956.5	1834.8	1487.1	1512.2	1512.2
42.5°	4635.0	1640.3	1376.9	1402.5	1395.7
45°	4237.7	1465.7	1259.2	1289.6	1311.5
47.5°	3777.2	1312.0	1139.0	1197.6	1227.9
50°	3276.4	1165.7	1029.2	1104.0	1138.5
52.5°	2751.6	1030.3	922.1	1007.8	1035.5
55°	2243.5	908.5	821.7	891.2	923.1
57.5°	1783.5	792.4	723.4	789.3	855.2
60°	1387.8	692.6	630.9	725.0	790.9
62.5°	1060.1	603.7	544.2	664.9	730.8
65°	802.4	526.9	475.7	609.5	677.4
67.5°	604.8	460.5	422.4	569.2	635.6
70°	454.2	396.2	379.5	544.2	603.7
72.5°	335.6	337.2	345.5	522.2	567.7
75°	247.8	283.8	319.4	496.1	525.9
77.5°	177.2	235.2	295.9	464.7	475.2
80°	122.8	191.8	271.3	423.4	414.5
82.5°	76.8	153.7	249.3	377.9	353.4
85°	43.4	117.6	233.7	325.1	298.5
87.5°	19.3	87.8	204.4	253.5	236.8
90°	0.0	49.1	135.4	190.8	192.4
92.5°	1.0	40.8	124.9	174.6	179.8
95°	2.1	34.5	119.2	162.0	169.4
97.5°	2.6	30.3	111.9	150.5	156.8
100°	3.1	27.2	103.0	138.5	143.7
102.5°	3.7	25.1	94.6	126.0	130.2
105°	4.2	23.0	86.8	115.0	118.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.2	17.8	65.3	82.6	85.2
115°	5.7	16.2	58.5	73.2	74.7
117.5°	6.3	14.1	51.2	64.3	64.8
120°	6.3	12.5	43.9	54.9	54.9
122.5°	6.3	10.5	36.6	45.5	45.0
125°	6.3	8.4	29.8	37.6	37.1
127.5°	5.7	6.8	24.0	31.4	30.8
130°	5.7	6.8	19.3	26.7	26.7
132.5°	5.2	6.3	15.7	23.0	23.0
135°	5.2	6.3	13.1	20.4	20.4
137.5°	5.2	6.8	11.0	17.8	17.8
140°	5.2	6.3	9.4	15.7	15.7
142.5°	5.7	6.3	8.4	13.6	13.6
145°	6.3	6.8	7.8	12.0	11.5
147.5°	6.3	7.3	7.8	10.5	9.9
150°	6.3	7.8	7.8	9.4	8.9
152.5°	6.3	7.8	7.8	8.9	8.4
155°	6.3	7.8	8.4	8.9	7.8
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°	4.2	21.4	79.5	103.0	106.6
110°	4.7	19.3	72.7	92.0	95.7



(END OF REPORT)