

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: P829632

Luminaire Tested: **OHB-9SE-N-UNV-L935-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829632
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-L935-CD
Description: 9000 LUMEN OHB SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

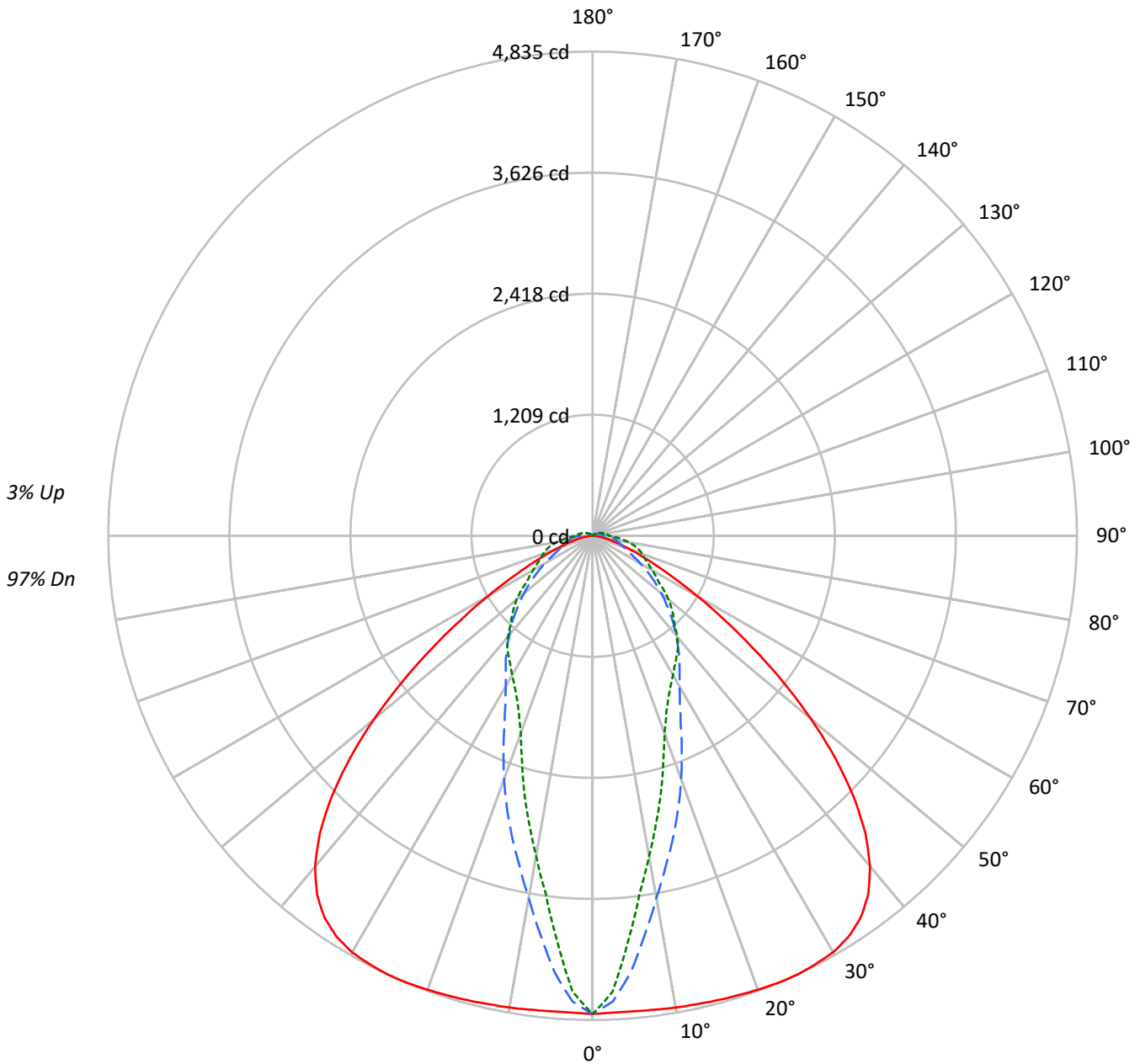
Lumens per Lamp: N/A
Luminaire Lumens: 7049.0 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 1.93' x H: 0.17')
CIE Type: Direct

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

TEST NUMBER: P829632

CATALOG NUMBER: OHB-9SE-N-UNV-L935-CD

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°	30390	30390	30390
5°	30217	27452	25531
10°	30446	22939	20314
15°	30924	19461	16543
20°	31669	16320	13275
25°	32631	13394	11537
30°	33611	11436	10624
35°	34147	10323	10028
40°	33385	9227	9417
45°	30528	8241	8620
50°	25576	7184	7987
55°	19270	6196	7001
60°	13363	5215	6581
65°	8867	4387	6297
70°	5941	3993	6411
75°	4008	3946	6571
80°	2628	4097	6349
85°	1386	4583	5964



TEST NUMBER: P829632

CATALOG NUMBER: OHB-9SE-N-UNV-L935-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.0	5.7
10°-20°	945.8	13.4
20°-30°	1185.5	16.8
30°-40°	1258.0	17.8
40°-50°	1137.4	16.1
50°-60°	824.7	11.7
60°-70°	517.5	7.3
70°-80°	342.5	4.9
80°-90°	197.3	2.8
90°-100°	95.6	1.4
100°-110°	66.0	0.9
110°-120°	40.7	0.6
120°-130°	19.7	0.3
130°-140°	9.1	0.1
140°-150°	5.0	0.1
150°-160°	2.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2533.4	35.9
0°-40°	3791.3	53.8
0°-60°	5753.5	81.6
0°-90°	6810.8	96.6
90°-120°	202.3	2.9
90°-150°	236.0	3.3
90°-180°	238.0	3.4
0°-180°	7049.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4776	4776	4776	4776	4776	
5°	4766	4644	4372	4169	4064	456
15°	4803	3915	3109	2765	2640	1362
25°	4835	3027	2082	1848	1789	2234
35°	4662	2012	1511	1464	1463	2898
45°	3685	1275	1095	1121	1140	2807
55°	1951	790	715	775	803	1763
65°	698	458	414	530	589	726
75°	216	247	278	431	457	240
85°	38	102	203	283	260	45
90°	0	43	118	166	167	2
95°	2	30	104	141	147	2
105°	4	20	76	100	103	4
115°	5	14	51	64	65	5
125°	6	7	26	33	32	5
135°	4	6	11	18	18	4
145°	6	6	7	10	10	3
155°	6	7	7	8	7	2
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P829632

CATALOG NUMBER: OHB-9SE-N-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4776.1	4776.1	4776.1	4776.1	4776.1
2.5°	4766.1	4738.8	4653.8	4602.0	4558.3
5°	4766.5	4644.3	4371.5	4168.8	4063.8
7.5°	4773.3	4501.5	4010.1	3714.2	3598.8
10°	4783.8	4324.7	3672.9	3357.4	3249.7
12.5°	4791.5	4125.6	3376.0	3051.9	2933.7
15°	4802.9	3914.7	3109.2	2765.1	2639.6
17.5°	4813.3	3716.0	2845.6	2486.0	2346.4
20°	4823.8	3501.9	2581.9	2211.4	2096.4
22.5°	4833.8	3276.0	2324.6	1998.3	1919.6
25°	4834.7	3026.9	2081.9	1847.8	1789.2
27.5°	4822.9	2768.7	1885.1	1721.9	1685.5
30°	4802.4	2518.3	1732.3	1631.0	1605.1
32.5°	4751.5	2262.8	1614.1	1543.2	1528.2
35°	4661.5	2012.3	1511.0	1463.7	1463.2
37.5°	4519.7	1790.1	1399.1	1391.0	1401.0
40°	4310.1	1595.5	1293.2	1315.0	1315.0
42.5°	4030.6	1426.4	1197.3	1219.6	1213.7
45°	3685.1	1274.6	1095.0	1121.4	1140.5
47.5°	3284.7	1140.9	990.5	1041.4	1067.8
50°	2849.2	1013.7	895.0	960.0	990.0
52.5°	2392.8	895.9	801.8	876.4	900.5
55°	1951.0	790.0	714.6	775.0	802.8
57.5°	1551.0	689.1	629.1	686.4	743.7
60°	1206.9	602.3	548.7	630.5	687.8
62.5°	921.8	525.0	473.2	578.2	635.5
65°	697.8	458.2	413.7	530.0	589.1
67.5°	525.9	400.5	367.3	495.0	552.7
70°	395.0	344.6	330.0	473.2	525.0
72.5°	291.8	293.2	300.5	454.1	493.7
75°	215.5	246.8	277.7	431.4	457.3
77.5°	154.1	204.6	257.3	404.1	413.2
80°	106.8	166.8	235.9	368.2	360.5
82.5°	66.8	133.6	216.8	328.6	307.3
85°	37.7	102.3	203.2	282.7	259.6
87.5°	16.8	76.4	177.7	220.5	205.9
90°	0.0	42.7	117.7	165.9	167.3
92.5°	0.9	35.5	108.6	151.8	156.4
95°	1.8	30.0	103.6	140.9	147.3
97.5°	2.3	26.4	97.3	130.9	136.4
100°	2.7	23.6	89.5	120.5	125.0
102.5°	3.2	21.8	82.3	109.5	113.2
105°	3.6	20.0	75.5	100.0	102.7



TEST NUMBER: P829632

CATALOG NUMBER: OHB-9SE-N-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.5	15.5	56.8	71.8	74.1
115°	5.0	14.1	50.9	63.6	65.0
117.5°	5.5	12.3	44.5	55.9	56.4
120°	5.5	10.9	38.2	47.7	47.7
122.5°	5.5	9.1	31.8	39.5	39.1
125°	5.5	7.3	25.9	32.7	32.3
127.5°	5.0	5.9	20.9	27.3	26.8
130°	5.0	5.9	16.8	23.2	23.2
132.5°	4.5	5.5	13.6	20.0	20.0
135°	4.5	5.5	11.4	17.7	17.7
137.5°	4.5	5.9	9.5	15.5	15.5
140°	4.5	5.5	8.2	13.6	13.6
142.5°	5.0	5.5	7.3	11.8	11.8
145°	5.5	5.9	6.8	10.5	10.0
147.5°	5.5	6.4	6.8	9.1	8.6
150°	5.5	6.8	6.8	8.2	7.7
152.5°	5.5	6.8	6.8	7.7	7.3
155°	5.5	6.8	7.3	7.7	6.8
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°	3.6	18.6	69.1	89.5	92.7
110°	4.1	16.8	63.2	80.0	83.2



(END OF REPORT)