

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: P829440

Luminaire Tested: **OHB-30SE-W-UNV-L935-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829440  
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-L935-CD  
Description: 30000 LUMEN OHB SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND WIDE LENS  
Light Source: -  
Ballast/Driver: -

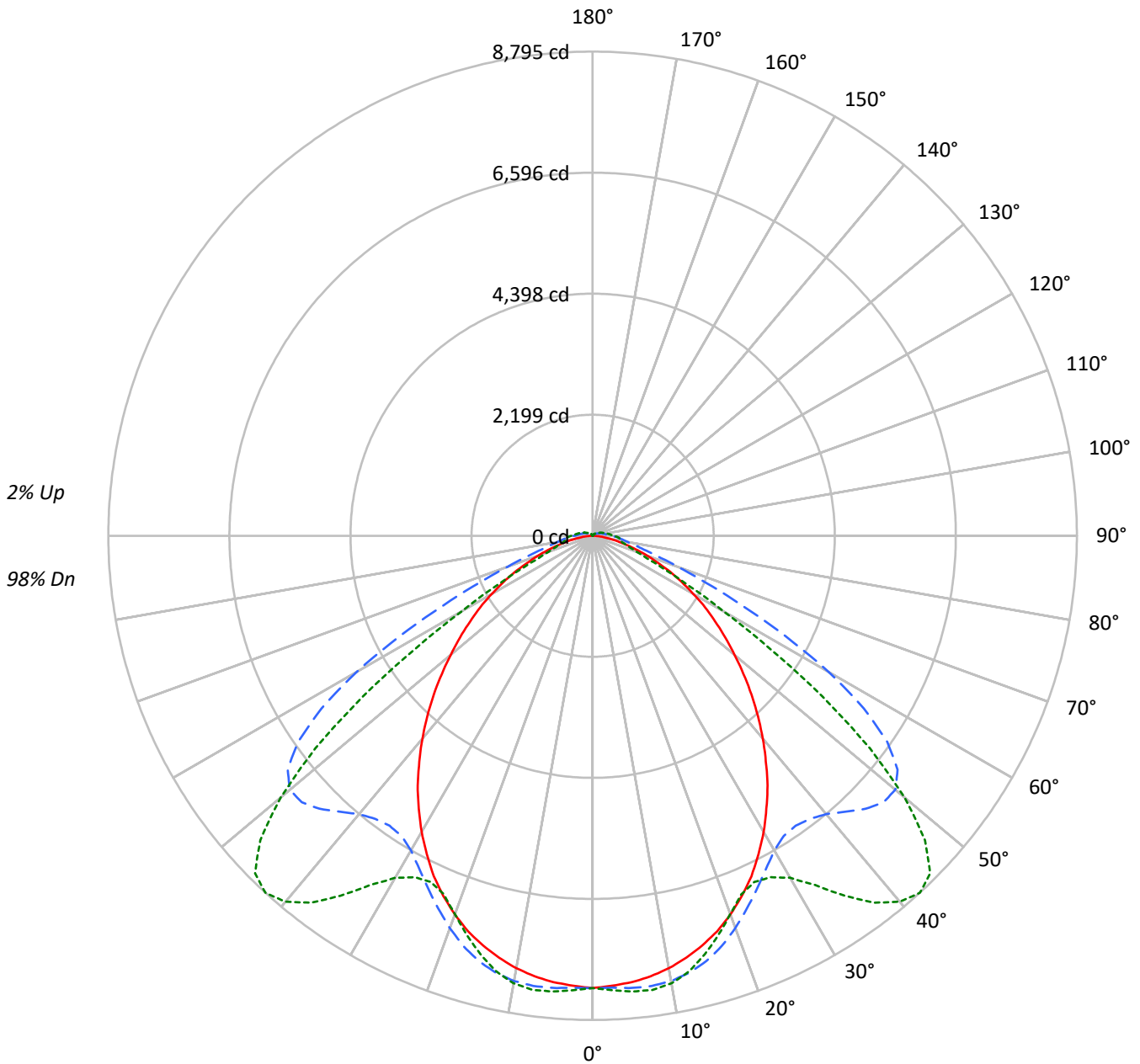
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24598.9 lumens  
Efficiency: N/A  
Efficacy: 135.9 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 (A<sub>in</sub>): 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: P829440

CATALOG NUMBER: OHB-30SE-W-UNV-L935-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P829440

CATALOG NUMBER: OHB-30SE-W-UNV-L935-CD

**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	105	105	105	100	100	100					98															
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85					83															
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72					70															
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61					59															
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52					50															
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45					43															
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40					38															
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35					33															
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31					29															
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28					26															
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25					24															

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	27444	27444	27444
5°	27089	27335	27623
10°	26651	27224	27521
15°	26033	26704	26507
20°	25226	25717	25079
25°	24181	24541	24444
30°	22828	23650	26153
35°	21302	24010	30412
40°	19555	25913	34913
45°	17739	29279	37232
50°	15854	32230	34330
55°	14081	32019	25943
60°	12282	26913	15645
65°	10393	18430	9310
70°	8286	11784	6559
75°	6127	8314	5864
80°	4191	7125	6222
85°	2565	7484	8654



TEST NUMBER: P829440

CATALOG NUMBER: OHB-30SE-W-UNV-L935-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	785.1	3.2
10°-20°	2223.2	9.0
20°-30°	3253.2	13.2
30°-40°	4225.0	17.2
40°-50°	5159.2	21.0
50°-60°	4543.5	18.5
60°-70°	2367.6	9.6
70°-80°	1015.3	4.1
80°-90°	487.6	2.0
90°-100°	229.1	0.9
100°-110°	142.4	0.6
110°-120°	84.2	0.3
120°-130°	45.8	0.2
130°-140°	23.0	0.1
140°-150°	11.0	0.0
150°-160°	3.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	6261.5	25.5
0°-40°	10486.4	42.6
0°-60°	20189.1	82.1
0°-90°	24059.7	97.8
90°-120°	455.6	1.9
90°-150°	535.4	2.2
90°-180°	539.0	2.2
0°-180°	24598.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8216	8216	8216	8216	8216	
5°	8139	8201	8246	8318	8310	772
15°	7702	7918	7994	7934	7870	2169
25°	6824	7189	7067	6934	6941	3132
35°	5539	6124	6431	7500	7980	3452
45°	4079	5131	7014	8492	8669	3145
55°	2716	4495	6532	5727	5091	2437
65°	1558	3114	2990	1663	1430	1541
75°	628	1457	961	658	624	684
85°	133	519	489	479	484	148
90°	2	188	323	369	378	9
95°	4	110	257	301	310	3
105°	7	62	167	200	204	7
115°	11	36	103	126	129	11
125°	12	18	60	78	80	11
135°	11	11	28	48	50	8
145°	14	11	12	23	27	8
155°	14	14	11	11	11	4
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P829440

CATALOG NUMBER: OHB-30SE-W-UNV-L935-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8215.6	8215.6	8215.6	8215.6	8215.6
2.5°	8180.2	8215.6	8217.4	8267.0	8261.7
5°	8139.4	8201.4	8245.7	8318.4	8309.6
7.5°	8072.0	8169.5	8247.5	8327.3	8320.2
10°	7976.3	8109.3	8212.1	8277.7	8256.4
12.5°	7852.3	8027.7	8128.8	8142.9	8102.2
15°	7701.6	7917.8	7994.1	7933.8	7870.0
17.5°	7531.4	7784.9	7811.5	7680.3	7600.6
20°	7318.7	7607.6	7581.1	7400.3	7311.6
22.5°	7083.0	7412.7	7327.6	7137.9	7052.8
25°	6824.2	7189.3	7067.0	6934.1	6941.2
27.5°	6521.1	6935.9	6817.1	6877.4	6990.8
30°	6212.7	6670.0	6597.3	6948.3	7171.6
32.5°	5874.1	6397.0	6462.6	7155.7	7520.8
35°	5539.1	6124.0	6430.7	7499.5	7979.9
37.5°	5168.7	5847.5	6482.1	7896.6	8400.0
40°	4808.8	5578.1	6599.1	8252.8	8678.2
42.5°	4441.9	5337.0	6795.8	8463.8	8795.2
45°	4078.6	5131.4	7013.9	8492.1	8669.4
47.5°	3715.2	4957.7	7164.5	8267.0	8185.5
50°	3364.2	4803.5	7175.1	7726.4	7393.2
52.5°	3036.3	4661.7	6980.2	6865.0	6347.4
55°	2715.5	4495.1	6531.7	5727.0	5090.7
57.5°	2423.0	4264.7	5840.4	4504.0	3809.1
60°	2112.8	3952.7	4947.1	3295.1	2747.4
62.5°	1827.5	3564.5	3945.6	2293.6	1974.6
65°	1558.0	3114.3	2990.2	1662.6	1430.4
67.5°	1272.7	2648.1	2206.8	1212.4	1063.5
70°	1049.3	2215.6	1643.1	943.0	856.1
72.5°	820.7	1804.4	1228.4	765.7	717.9
75°	627.5	1457.0	960.7	657.6	623.9
77.5°	462.6	1152.1	772.8	581.4	549.5
80°	324.4	907.5	647.0	519.3	506.9
82.5°	218.0	701.9	551.3	494.5	496.3
85°	132.9	519.3	489.2	478.6	483.9
87.5°	63.8	368.7	420.1	436.0	441.4
90°	1.8	187.9	322.6	368.7	377.5
92.5°	0.0	143.6	283.6	329.7	338.6
95°	3.5	109.9	257.0	301.3	310.2
97.5°	3.5	90.4	230.4	276.5	281.8
100°	5.3	78.0	205.6	249.9	255.2
102.5°	5.3	69.1	184.3	223.3	226.9
105°	7.1	62.0	166.6	200.3	203.8



TEST NUMBER: P829440

CATALOG NUMBER: OHB-30SE-W-UNV-L935-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	10.6	42.5	117.0	141.8	145.3
115°	10.6	35.5	102.8	125.8	129.4
117.5°	12.4	31.9	90.4	111.7	113.4
120°	12.4	26.6	78.0	99.3	101.0
122.5°	12.4	21.3	69.1	88.6	90.4
125°	12.4	17.7	60.3	78.0	79.8
127.5°	10.6	12.4	51.4	69.1	70.9
130°	10.6	10.6	42.5	60.3	63.8
132.5°	10.6	10.6	35.5	53.2	56.7
135°	10.6	10.6	28.4	47.9	49.6
137.5°	10.6	10.6	23.0	40.8	44.3
140°	10.6	10.6	17.7	35.5	37.2
142.5°	12.4	10.6	16.0	30.1	31.9
145°	14.2	10.6	12.4	23.0	26.6
147.5°	14.2	12.4	12.4	19.5	21.3
150°	14.2	14.2	10.6	14.2	17.7
152.5°	14.2	14.2	10.6	10.6	14.2
155°	14.2	14.2	10.6	10.6	10.6
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°	8.9	54.9	148.9	179.0	182.6
110°	8.9	47.9	131.2	159.5	163.1



(END OF REPORT)