

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: P829637

Luminaire Tested: **OHB-9SE-NL-UNV-L740-CD**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P829637
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-9SE-NL-UNV-L740-CD
Description: 9000 LUMEN OHB SE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

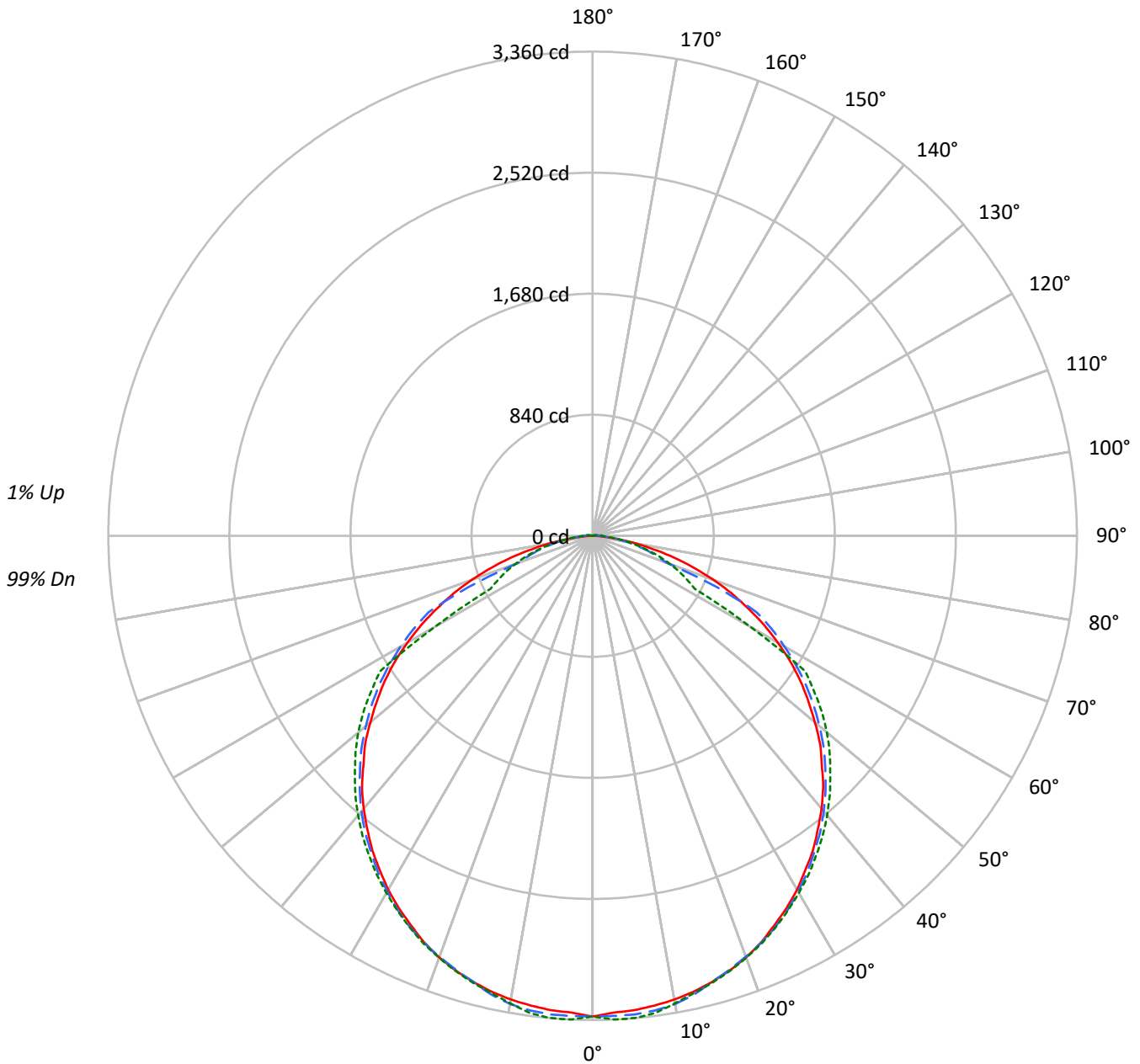
Lumens per Lamp: N/A
Luminaire Lumens: 9365.0 lumens
Efficiency: N/A
Efficacy: 173.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 0.88' x L: 1.93' x H: 0')
CIE Type: Direct

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									
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	111	111	111	106	106	106	102	102	102					99															
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86					84															
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73					71															
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62					60															
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53					51															
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46					44															
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41					39															
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36					34															
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32					30															
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29					27															
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26					25															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21224	21224	21224
5°	21107	21298	21458
10°	21113	21313	21287
15°	21109	21105	21151
20°	21080	21048	21100
25°	20936	21042	21059
30°	20839	20946	21029
35°	20704	20817	21013
40°	20525	20720	21026
45°	20230	20535	20983
50°	19925	20330	21003
55°	19543	20050	20771
60°	18889	19558	16171
65°	17871	18910	10882
70°	16530	10039	10561
75°	14416	9539	10087
80°	11088	8750	9245
85°	5600	8841	9060



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.9	3.4
10°-20°	907.3	9.7
20°-30°	1380.6	14.7
30°-40°	1678.6	17.9
40°-50°	1765.0	18.8
50°-60°	1611.7	17.2
60°-70°	1033.2	11.0
70°-80°	488.0	5.2
80°-90°	135.3	1.4
90°-100°	35.8	0.4
100°-110°	9.8	0.1
110°-120°	2.7	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2604.8	27.8
0°-40°	4283.5	45.7
0°-60°	7660.1	81.8
0°-90°	9316.6	99.5
90°-120°	48.4	0.5
90°-150°	48.4	0.5
90°-180°	48.0	0.5
0°-180°	9365.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3336	3336	3336	3336	3336	
5°	3304	3317	3334	3353	3360	314
15°	3204	3228	3204	3208	3211	905
25°	2982	2987	2997	3002	3000	1376
35°	2665	2650	2680	2713	2705	1666
45°	2248	2244	2282	2336	2332	1738
55°	1762	1748	1807	1868	1872	1571
65°	1187	1187	1256	720	723	1177
75°	586	598	388	408	410	618
85°	77	97	121	131	124	113
90°	0	33	54	64	63	3
95°	2	17	39	52	52	1
105°	3	6	9	9	9	3
115°	3	4	6	4	1	2
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
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°	3335.6	3335.6	3335.6	3335.6	3335.6
2.5°	3312.1	3323.3	3335.6	3351.4	3360.1
5°	3304.5	3317.4	3334.4	3352.6	3359.6
7.5°	3288.2	3306.3	3322.7	3335.6	3339.7
10°	3267.7	3289.3	3298.7	3297.5	3294.6
12.5°	3240.1	3263.0	3260.1	3246.6	3248.9
15°	3204.5	3228.4	3203.9	3208.5	3210.9
17.5°	3162.3	3185.7	3157.0	3166.4	3167.0
20°	3113.2	3130.7	3108.5	3116.1	3116.1
22.5°	3054.1	3066.3	3057.0	3062.2	3063.4
25°	2982.1	2986.7	2997.2	3001.9	2999.6
27.5°	2913.0	2907.1	2927.6	2938.7	2932.9
30°	2836.3	2827.0	2850.9	2869.1	2862.1
32.5°	2748.5	2742.7	2770.2	2791.8	2787.7
35°	2665.4	2649.6	2680.0	2712.8	2705.2
37.5°	2567.1	2557.7	2592.2	2626.8	2622.7
40°	2471.1	2455.3	2494.5	2535.5	2531.4
42.5°	2368.1	2349.3	2392.1	2441.3	2436.6
45°	2248.1	2244.0	2282.0	2335.9	2331.8
47.5°	2141.6	2121.1	2174.3	2226.4	2231.2
50°	2012.8	2005.2	2053.8	2117.0	2121.7
52.5°	1887.0	1881.7	1932.6	1996.4	2004.6
55°	1761.7	1748.2	1807.4	1867.7	1872.4
57.5°	1627.7	1613.7	1674.0	1739.5	1749.4
60°	1484.3	1470.8	1536.9	1597.9	1270.7
62.5°	1340.9	1331.5	1400.6	992.1	799.5
65°	1187.0	1187.0	1256.0	720.5	722.8
67.5°	1043.0	1033.7	936.5	647.3	647.3
70°	888.5	892.0	539.6	567.2	567.7
72.5°	733.4	746.3	465.9	488.1	489.3
75°	586.4	597.6	388.0	408.5	410.3
77.5°	430.8	331.3	311.9	327.8	328.4
80°	302.6	208.9	238.8	254.0	252.3
82.5°	176.7	146.3	175.0	186.1	185.5
85°	76.7	97.2	121.1	131.1	124.1
87.5°	24.5	60.3	75.5	81.4	80.7
90°	0.0	32.8	53.8	63.8	62.6
92.5°	0.0	25.7	46.8	58.6	59.1
95°	1.7	17.0	38.7	52.1	52.1
97.5°	1.2	12.3	27.5	41.0	42.1
100°	1.2	9.9	18.2	29.2	29.9
102.5°	2.9	8.2	11.1	18.7	19.3
105°	2.9	6.4	9.4	9.4	8.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.5	4.7	6.4	4.7	0.6
115°	2.9	4.1	5.8	4.1	0.6
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
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°	2.9	5.8	8.2	5.3	1.7
110°	3.5	5.3	7.0	4.7	0.6



(END OF REPORT)