

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: P829501

Luminaire Tested: **OHB-36SE-NL-UNV-L940-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829501
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-36SE-NL-UNV-L940-CD
Description: 36000 LUMEN OHB SE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

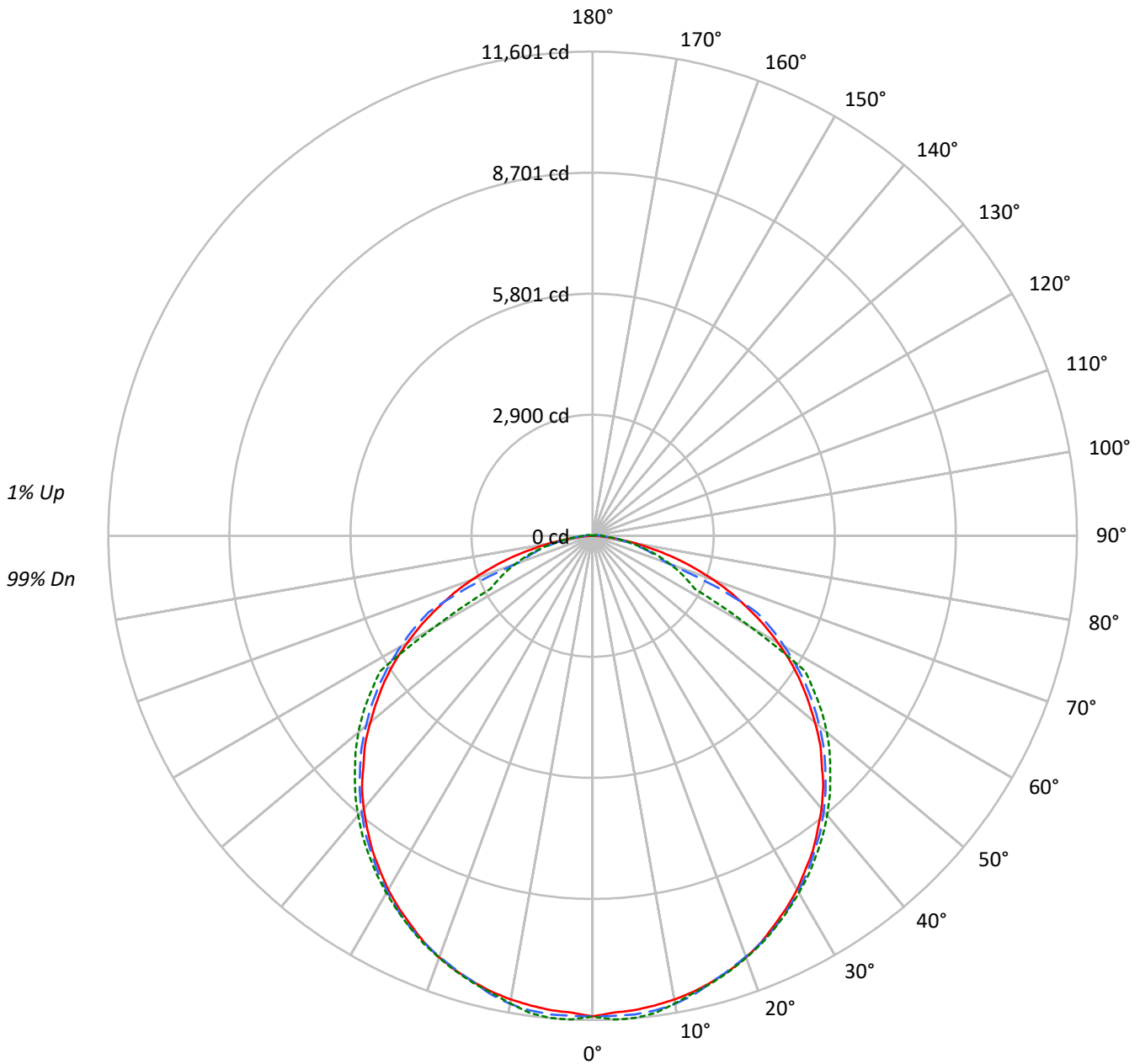
Lumens per Lamp: N/A
Luminaire Lumens: 32333.0 lumens
Efficiency: N/A
Efficacy: 143.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.8' x L: 1.93' x H: 0')
CIE Type: Direct

Input Watts (W): 226
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									
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°	35621	35621	35621
5°	35424	35744	36014
10°	35434	35770	35726
15°	35427	35421	35499
20°	35379	35326	35412
25°	35138	35316	35344
30°	34975	35155	35293
35°	34748	34939	35267
40°	34448	34775	35289
45°	33951	34464	35216
50°	33439	34121	35248
55°	32800	33650	34860
60°	31701	32826	27139
65°	29993	31737	18265
70°	27741	16848	17726
75°	24197	16010	16928
80°	18609	14686	15515
85°	9390	14845	15200



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1094.1	3.4
10°-20°	3132.7	9.7
20°-30°	4766.6	14.7
30°-40°	5795.5	17.9
40°-50°	6093.7	18.8
50°-60°	5564.3	17.2
60°-70°	3567.0	11.0
70°-80°	1685.0	5.2
80°-90°	467.2	1.4
90°-100°	123.7	0.4
100°-110°	33.9	0.1
110°-120°	9.4	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°	8993.3	27.8
0°-40°	14788.8	45.7
0°-60°	26446.8	81.8
0°-90°	32166.0	99.5
90°-120°	167.0	0.5
90°-150°	167.0	0.5
90°-180°	167.0	0.5
0°-180°	32333.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11516	11516	11516	11516	11516	
5°	11409	11454	11512	11575	11599	###
15°	11064	11146	11062	11078	11086	3123
25°	10296	10312	10348	10364	10356	4751
35°	9202	9148	9253	9366	9340	5751
45°	7762	7747	7879	8065	8051	5999
55°	6082	6036	6240	6448	6464	5424
65°	4098	4098	4336	2488	2496	4063
75°	2025	2063	1340	1410	1416	2134
85°	265	336	418	453	428	391
90°	0	113	186	220	216	12
95°	6	59	134	180	180	3
105°	10	22	32	32	30	10
115°	10	14	20	14	2	7
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11516.2	11516.2	11516.2	11516.2	11516.2
2.5°	11435.3	11473.8	11516.2	11570.7	11600.9
5°	11409.0	11453.5	11512.1	11574.8	11599.0
7.5°	11352.5	11415.0	11471.7	11516.2	11530.3
10°	11281.7	11356.6	11388.9	11384.8	11374.8
12.5°	11186.7	11265.7	11255.6	11209.0	11217.1
15°	11063.5	11146.3	11061.6	11077.6	11085.7
17.5°	10918.0	10998.9	10899.8	10932.1	10934.3
20°	10748.4	10808.9	10732.1	10758.4	10758.4
22.5°	10544.3	10586.6	10554.3	10572.5	10576.6
25°	10295.7	10311.7	10348.1	10364.3	10356.2
27.5°	10057.3	10037.0	10107.8	10146.1	10125.8
30°	9792.5	9760.2	9843.0	9905.6	9881.5
32.5°	9489.3	9469.2	9564.2	9638.9	9624.7
35°	9202.4	9147.9	9252.9	9366.1	9339.8
37.5°	8862.9	8830.6	8949.8	9069.1	9055.0
40°	8531.5	8476.9	8612.4	8753.8	8739.7
42.5°	8175.9	8111.1	8258.7	8428.6	8412.3
45°	7761.5	7747.4	7878.8	8064.7	8050.6
47.5°	7394.0	7323.2	7506.9	7686.9	7703.1
50°	6949.2	6923.1	7090.8	7309.1	7325.1
52.5°	6514.9	6496.7	6672.4	6892.7	6921.0
55°	6082.3	6035.9	6240.0	6448.2	6464.4
57.5°	5619.8	5571.2	5779.4	6005.7	6040.0
60°	5124.5	5078.1	5306.4	5516.7	4387.1
62.5°	4629.5	4597.1	4835.7	3425.2	2760.5
65°	4098.0	4098.0	4336.4	2487.5	2495.6
67.5°	3601.0	3568.7	3233.3	2234.8	2234.8
70°	3067.5	3079.7	1863.0	1958.2	1960.1
72.5°	2532.0	2576.5	1608.6	1685.2	1689.3
75°	2024.7	2063.2	1339.7	1410.5	1416.5
77.5°	1487.3	1143.7	1077.0	1131.7	1133.7
80°	1044.7	721.4	824.5	876.9	871.0
82.5°	610.2	505.1	604.2	642.7	640.5
85°	264.6	335.5	418.3	452.7	428.3
87.5°	84.7	208.2	260.6	280.9	278.8
90°	0.0	113.2	185.9	220.1	216.3
92.5°	0.0	88.8	161.7	202.2	204.1
95°	6.0	58.6	133.5	179.9	179.9
97.5°	4.1	42.4	95.0	141.4	145.5
100°	4.1	34.2	62.7	101.0	103.1
102.5°	10.1	28.2	38.3	64.6	66.7
105°	10.1	22.2	32.3	32.3	30.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	12.2	16.3	22.2	16.3	1.9
115°	10.1	14.1	20.1	14.1	1.9
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°	10.1	20.1	28.2	18.2	6.0
110°	12.2	18.2	24.2	16.3	1.9



(END OF REPORT)