

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: P828997

Luminaire Tested: **OHB-15SE-NL-UNV-L940-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828997
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-15SE-NL-UNV-L940-CD
Description: 15000 LUMEN OHB SE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

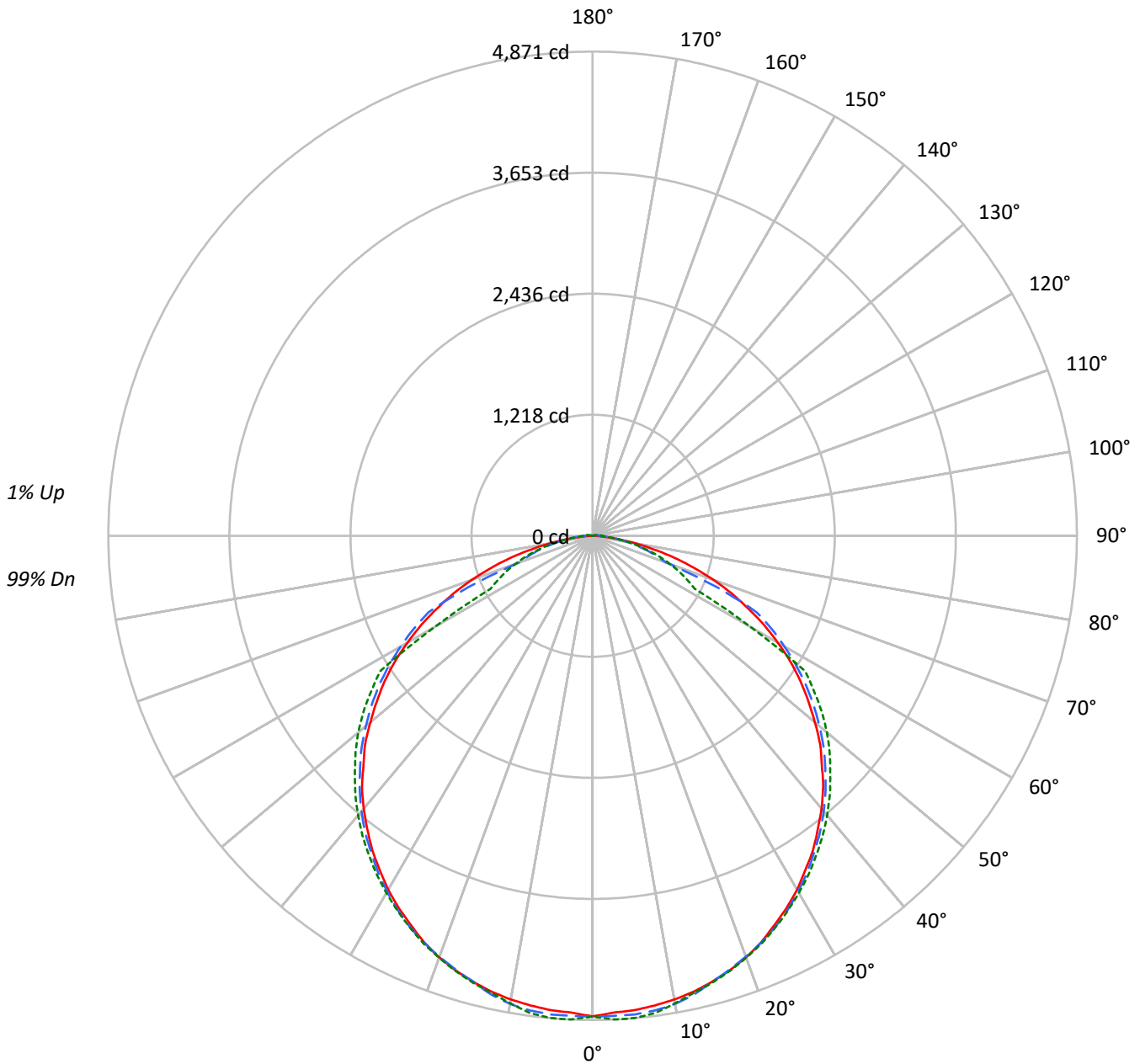
Lumens per Lamp: N/A
Luminaire Lumens: 13576.0 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 0.88' x L: 1.93' x H: 0')
CIE Type: Direct

Input Watts (W): 97.1
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°	30767	30767	30767
5°	30597	30874	31107
10°	30606	30897	30858
15°	30600	30595	30662
20°	30559	30513	30587
25°	30350	30505	30529
30°	30210	30365	30484
35°	30014	30178	30462
40°	29754	30037	30480
45°	29325	29768	30418
50°	28883	29472	30446
55°	28330	29066	30111
60°	27382	28353	23441
65°	25907	27414	15777
70°	23962	14552	15311
75°	20899	13829	14623
80°	16071	12686	13400
85°	8111	12820	13127



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	459.4	3.4
10°-20°	1315.3	9.7
20°-30°	2001.4	14.7
30°-40°	2433.4	17.9
40°-50°	2558.6	18.8
50°-60°	2336.3	17.2
60°-70°	1497.7	11.0
70°-80°	707.5	5.2
80°-90°	196.2	1.4
90°-100°	52.0	0.4
100°-110°	14.2	0.1
110°-120°	3.9	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°	3776.1	27.8
0°-40°	6209.5	45.7
0°-60°	11104.5	81.8
0°-90°	13505.9	99.5
90°-120°	70.1	0.5
90°-150°	70.1	0.5
90°-180°	70.0	0.5
0°-180°	13576.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4835	4835	4835	4835	4835	
5°	4790	4809	4834	4860	4870	456
15°	4645	4680	4644	4651	4655	1311
25°	4323	4330	4345	4352	4348	1995
35°	3864	3841	3885	3933	3922	2415
45°	3259	3253	3308	3386	3380	2519
55°	2554	2534	2620	2708	2714	2278
65°	1721	1721	1821	1044	1048	1706
75°	850	866	562	592	595	896
85°	111	141	176	190	180	164
90°	0	48	78	92	91	5
95°	2	25	56	76	76	1
105°	4	9	14	14	13	4
115°	4	6	8	6	1	3
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°	4835.4	4835.4	4835.4	4835.4	4835.4
2.5°	4801.5	4817.6	4835.4	4858.3	4871.0
5°	4790.4	4809.1	4833.7	4860.0	4870.2
7.5°	4766.7	4792.9	4816.7	4835.4	4841.4
10°	4737.0	4768.4	4782.0	4780.3	4776.0
12.5°	4697.1	4730.2	4726.0	4706.4	4709.8
15°	4645.3	4680.1	4644.5	4651.3	4654.7
17.5°	4584.3	4618.2	4576.6	4590.2	4591.1
20°	4513.0	4538.4	4506.2	4517.2	4517.2
22.5°	4427.3	4445.1	4431.5	4439.2	4440.9
25°	4322.9	4329.7	4345.0	4351.8	4348.4
27.5°	4222.9	4214.3	4244.1	4260.2	4251.6
30°	4111.7	4098.1	4132.9	4159.2	4149.0
32.5°	3984.4	3975.9	4015.8	4047.2	4041.2
35°	3863.9	3841.0	3885.1	3932.6	3921.6
37.5°	3721.4	3707.8	3757.8	3808.0	3802.0
40°	3582.2	3559.3	3616.2	3675.5	3669.6
42.5°	3432.9	3405.7	3467.7	3539.0	3532.2
45°	3258.9	3253.0	3308.1	3386.2	3380.3
47.5°	3104.6	3074.9	3152.0	3227.6	3234.4
50°	2917.8	2906.9	2977.3	3068.9	3075.7
52.5°	2735.5	2727.8	2801.6	2894.1	2906.0
55°	2553.8	2534.4	2620.1	2707.5	2714.3
57.5°	2359.6	2339.2	2426.6	2521.7	2536.1
60°	2151.7	2132.2	2228.0	2316.3	1842.0
62.5°	1943.8	1930.3	2030.4	1438.2	1159.1
65°	1720.7	1720.7	1820.8	1044.4	1047.9
67.5°	1512.0	1498.4	1357.6	938.4	938.4
70°	1288.0	1293.1	782.2	822.2	823.0
72.5°	1063.1	1081.8	675.4	707.6	709.3
75°	850.1	866.3	562.5	592.2	594.8
77.5°	624.5	480.2	452.2	475.2	476.0
80°	438.6	302.9	346.2	368.2	365.7
82.5°	256.2	212.1	253.7	269.8	268.9
85°	111.1	140.9	175.6	190.1	179.8
87.5°	35.6	87.4	109.4	117.9	117.0
90°	0.0	47.5	78.1	92.4	90.8
92.5°	0.0	37.3	67.9	84.9	85.7
95°	2.5	24.6	56.1	75.5	75.5
97.5°	1.7	17.8	39.9	59.4	61.1
100°	1.7	14.4	26.3	42.4	43.3
102.5°	4.2	11.9	16.1	27.1	28.0
105°	4.2	9.3	13.6	13.6	12.8



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CATALOG NUMBER: OHB-15SE-NL-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.1	6.8	9.3	6.8	0.8
115°	4.2	5.9	8.4	5.9	0.8
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°	4.2	8.4	11.9	7.6	2.5
110°	5.1	7.6	10.2	6.8	0.8



(END OF REPORT)