

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: P828845

Luminaire Tested: **OHB-12SE-NL-UNV-L740-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828845
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-12SE-NL-UNV-L740-CD
Description: 12000 LUMEN OHB SE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

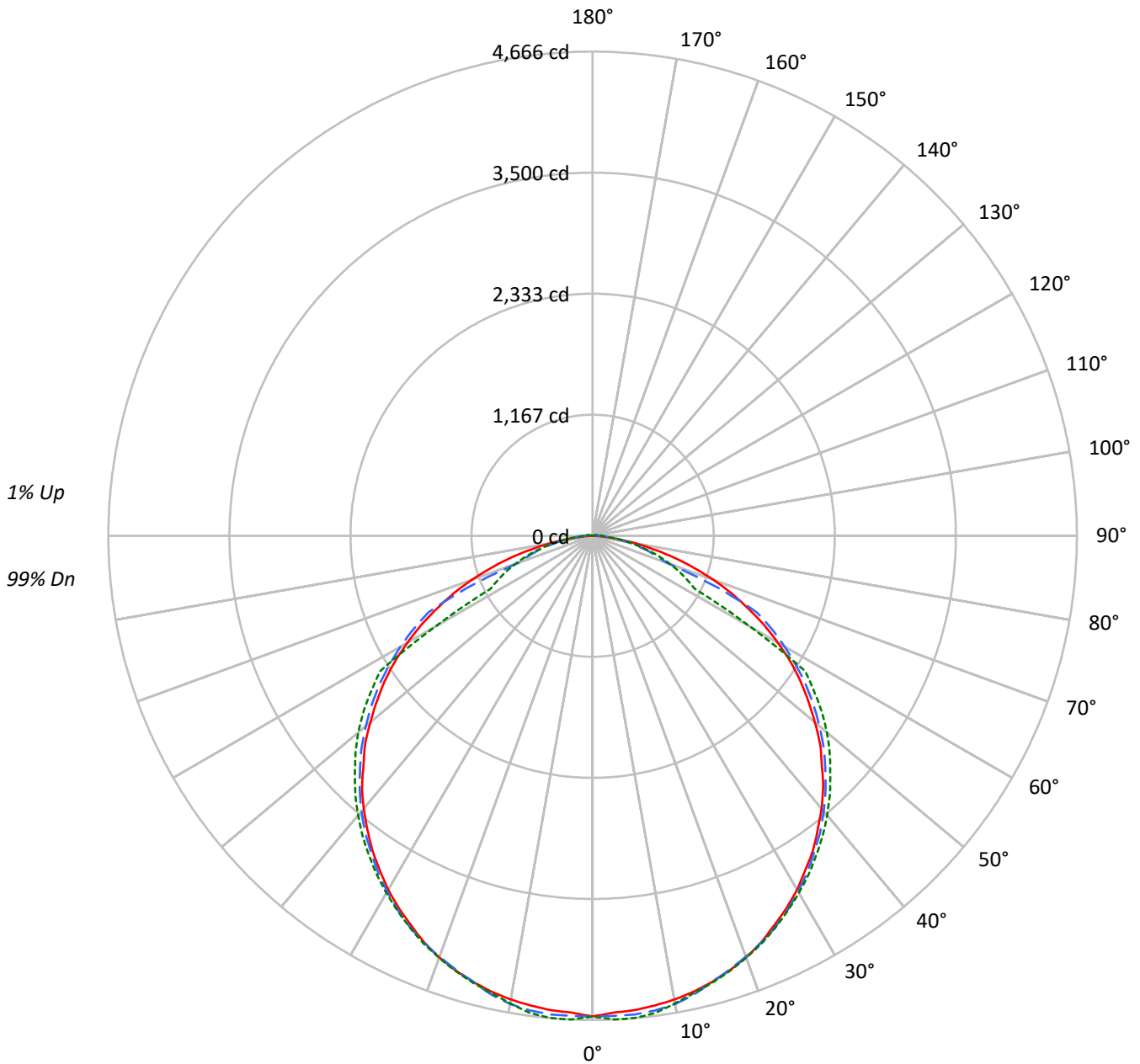
Lumens per Lamp: N/A
Luminaire Lumens: 13005.0 lumens
Efficiency: N/A
Efficacy: 171.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 0.88' x L: 1.93' x H: 0')
CIE Type: Direct

Input Watts (W): 76
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°	29473	29473	29473
5°	29310	29575	29798
10°	29318	29597	29561
15°	29314	29309	29372
20°	29274	29230	29301
25°	29073	29222	29245
30°	28939	29088	29202
35°	28751	28909	29180
40°	28503	28773	29199
45°	28092	28516	29138
50°	27668	28233	29165
55°	27139	27843	28844
60°	26230	27161	22456
65°	24817	26261	15113
70°	22953	13940	14667
75°	20022	13249	14006
80°	15397	12151	12836
85°	7768	12280	12579



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.1	3.4
10°-20°	1260.0	9.7
20°-30°	1917.2	14.7
30°-40°	2331.1	17.9
40°-50°	2451.0	18.8
50°-60°	2238.1	17.2
60°-70°	1434.7	11.0
70°-80°	677.7	5.2
80°-90°	187.9	1.4
90°-100°	49.8	0.4
100°-110°	13.6	0.1
110°-120°	3.8	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°	3617.3	27.8
0°-40°	5948.4	45.7
0°-60°	10637.5	81.8
0°-90°	12937.8	99.5
90°-120°	67.2	0.5
90°-150°	67.2	0.5
90°-180°	67.0	0.5
0°-180°	13005.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4632	4632	4632	4632	4632	
5°	4589	4607	4630	4656	4665	436
15°	4450	4483	4449	4456	4459	1256
25°	4141	4148	4162	4169	4166	1911
35°	3701	3680	3722	3767	3757	2313
45°	3122	3116	3169	3244	3238	2413
55°	2446	2428	2510	2594	2600	2182
65°	1648	1648	1744	1000	1004	1634
75°	814	830	539	567	570	858
85°	106	135	168	182	172	157
90°	0	46	75	88	87	5
95°	2	24	54	72	72	1
105°	4	9	13	13	12	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°	4632.0	4632.0	4632.0	4632.0	4632.0
2.5°	4599.5	4615.0	4632.0	4654.0	4666.1
5°	4588.9	4606.8	4630.4	4655.6	4665.3
7.5°	4566.2	4591.3	4614.1	4632.0	4637.7
10°	4537.7	4567.9	4580.8	4579.2	4575.2
12.5°	4499.5	4531.3	4527.2	4508.5	4511.7
15°	4450.0	4483.3	4449.2	4455.6	4458.9
17.5°	4391.4	4424.0	4384.1	4397.1	4398.0
20°	4323.2	4347.6	4316.7	4327.3	4327.3
22.5°	4241.1	4258.2	4245.2	4252.5	4254.1
25°	4141.1	4147.6	4162.2	4168.7	4165.5
27.5°	4045.3	4037.1	4065.6	4081.0	4072.8
30°	3938.7	3925.7	3959.0	3984.3	3974.5
32.5°	3816.8	3808.7	3846.9	3876.9	3871.3
35°	3701.4	3679.5	3721.7	3767.2	3756.6
37.5°	3564.8	3551.8	3599.8	3647.8	3642.1
40°	3431.5	3409.6	3464.1	3521.0	3515.3
42.5°	3288.5	3262.5	3321.8	3390.2	3383.6
45°	3121.8	3116.2	3169.0	3243.8	3238.1
47.5°	2974.0	2945.5	3019.4	3091.8	3098.4
50°	2795.1	2784.6	2852.1	2939.9	2946.3
52.5°	2620.4	2613.1	2683.8	2772.4	2783.8
55°	2446.4	2427.8	2509.9	2593.6	2600.1
57.5°	2260.4	2240.9	2324.6	2415.6	2429.4
60°	2061.2	2042.5	2134.3	2218.9	1764.6
62.5°	1862.1	1849.1	1945.0	1377.7	1110.3
65°	1648.3	1648.3	1744.2	1000.5	1003.8
67.5°	1448.4	1435.4	1300.5	898.9	898.9
70°	1233.8	1238.7	749.3	787.6	788.4
72.5°	1018.4	1036.3	647.0	677.8	679.5
75°	814.4	829.9	538.9	567.3	569.7
77.5°	598.2	460.0	433.2	455.2	456.0
80°	420.2	290.2	331.6	352.7	350.3
82.5°	245.4	203.2	243.0	258.5	257.6
85°	106.4	134.9	168.2	182.1	172.3
87.5°	34.1	83.7	104.8	113.0	112.1
90°	0.0	45.5	74.8	88.5	87.0
92.5°	0.0	35.7	65.1	81.3	82.1
95°	2.4	23.6	53.7	72.4	72.4
97.5°	1.6	17.0	38.2	56.9	58.5
100°	1.6	13.8	25.2	40.6	41.5
102.5°	4.0	11.4	15.4	26.0	26.8
105°	4.0	8.9	13.0	13.0	12.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.9	6.5	8.9	6.5	0.8
115°	4.0	5.7	8.1	5.7	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°	4.0	8.1	11.4	7.3	2.4
110°	4.9	7.3	9.7	6.5	0.8



(END OF REPORT)