

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: P830264

Luminaire Tested: **OHBL-30SE-MFL-UNV-L835-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830264  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-30SE-MFL-UNV-L835-CD  
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND MEDIUM FROSTED LENS  
Light Source: -  
Ballast/Driver: -

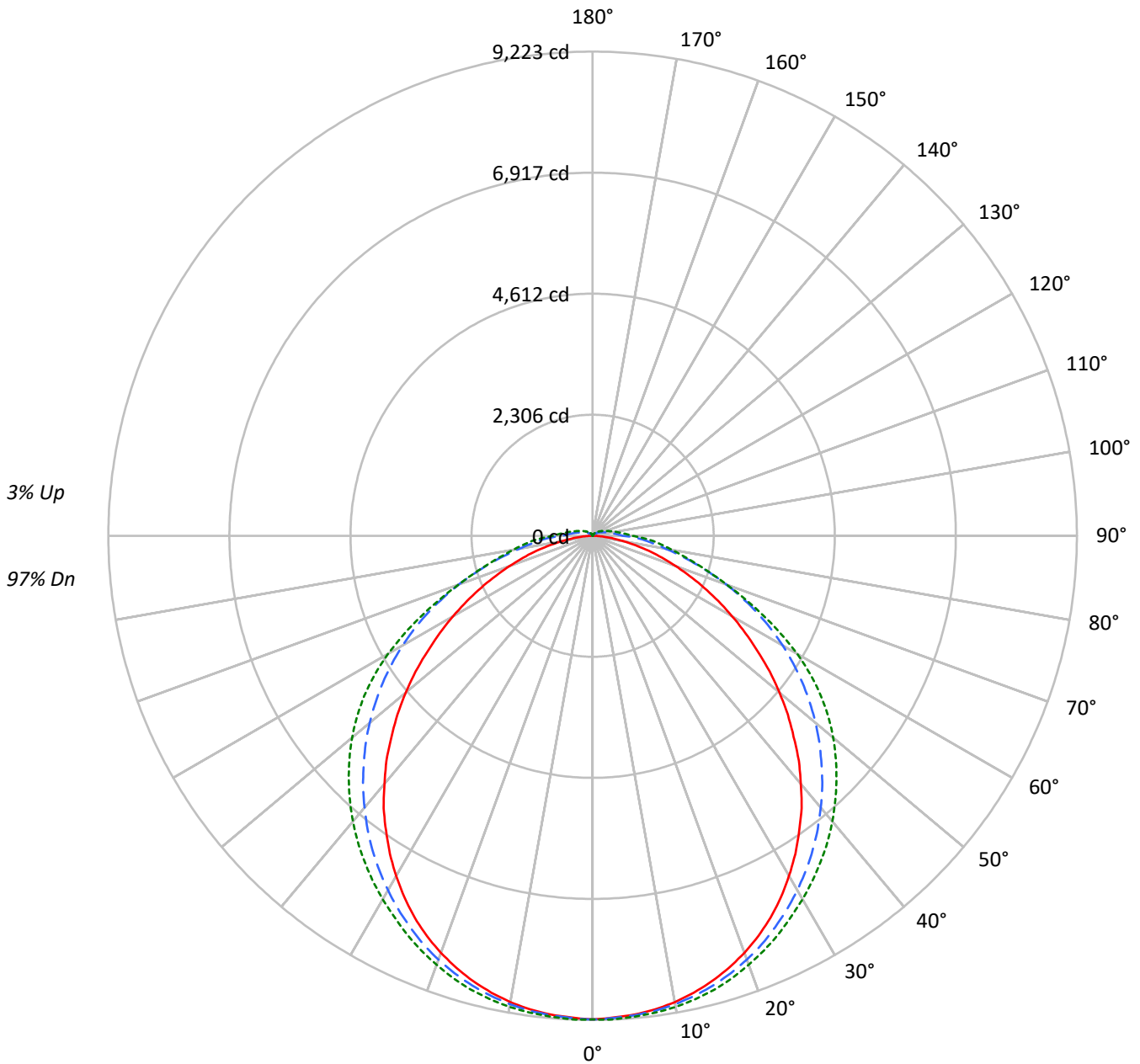
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27575.0 lumens  
Efficiency: N/A  
Efficacy: 158.5 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 174  
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

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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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	97																	
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	82	82	80																	
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	66																	
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	56																	
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	47																	
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	41																	
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	36																	
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	32																	
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	28																	
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	25																	
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	23																	

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

	0°	45°	90°
0°	15737	15737	15737
5°	15636	15581	15625
10°	15527	15436	15534
15°	15353	15265	15416
20°	15123	15057	15249
25°	14815	14799	15079
30°	14390	14520	14909
35°	13874	14223	14759
40°	13255	13881	14611
45°	12525	13509	14424
50°	11727	13133	14198
55°	10745	12673	13825
60°	9740	12132	13098
65°	8642	11443	11916
70°	7453	10566	10635
75°	6249	9552	9752
80°	4738	8799	9609
85°	2997	9064	10598



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	873.0	3.2
10°-20°	2504.6	9.1
20°-30°	3787.8	13.7
30°-40°	4547.3	16.5
40°-50°	4696.7	17.0
50°-60°	4225.5	15.3
60°-70°	3183.0	11.5
70°-80°	1922.0	7.0
80°-90°	940.0	3.4
90°-100°	395.7	1.4
100°-110°	225.9	0.8
110°-120°	132.6	0.5
120°-130°	75.0	0.3
130°-140°	39.5	0.1
140°-150°	19.2	0.1
150°-160°	7.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7165.5	26.0
0°-40°	11712.8	42.5
0°-60°	20635.0	74.8
0°-90°	26680.1	96.8
90°-120°	754.1	2.7
90°-150°	887.8	3.2
90°-180°	895.0	3.2
0°-180°	27575.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9214	9214	9214	9214	9214	
5°	9155	9180	9169	9205	9193	870
15°	8785	8828	8869	8943	8952	2477
25°	8023	8111	8226	8355	8375	3690
35°	6860	7020	7308	7529	7574	4288
45°	5414	5687	6163	6499	6569	4180
55°	3836	4232	4875	5243	5306	3439
65°	2341	2819	3450	3621	3581	2325
75°	1103	1583	1998	2050	2029	1176
85°	230	607	1001	1139	1159	266
90°	0	237	573	722	751	15
95°	11	160	428	546	566	10
105°	16	92	248	325	338	16
115°	18	52	153	205	214	18
125°	18	25	92	133	140	16
135°	16	20	47	81	90	12
145°	22	20	22	41	47	13
155°	22	25	22	20	22	7
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°	9213.7	9213.7	9213.7	9213.7	9213.7
2.5°	9186.6	9209.2	9195.6	9225.0	9222.7
5°	9155.1	9179.9	9168.6	9204.7	9193.4
7.5°	9100.9	9128.0	9125.7	9166.3	9161.8
10°	9022.0	9051.3	9060.3	9114.5	9114.5
12.5°	8913.8	8952.1	8974.7	9040.1	9042.3
15°	8785.2	8828.1	8868.7	8943.1	8952.1
17.5°	8629.7	8683.8	8740.1	8825.8	8837.1
20°	8453.8	8514.7	8591.3	8681.5	8695.0
22.5°	8250.8	8323.0	8422.2	8528.2	8544.0
25°	8023.1	8111.0	8226.0	8354.6	8374.8
27.5°	7763.8	7865.2	8020.8	8165.1	8183.2
30°	7481.9	7601.4	7795.3	7966.7	7996.0
32.5°	7184.2	7321.8	7560.8	7752.5	7793.1
35°	6859.5	7019.6	7308.3	7529.2	7574.3
37.5°	6539.3	6715.2	7042.2	7294.7	7348.8
40°	6165.0	6383.7	6758.1	7037.7	7103.1
42.5°	5813.2	6050.0	6473.9	6778.3	6841.5
45°	5414.1	5687.0	6162.8	6498.7	6568.6
47.5°	5039.8	5335.2	5862.8	6210.1	6282.3
50°	4645.2	4969.9	5542.6	5905.7	5980.1
52.5°	4250.6	4600.1	5211.2	5587.7	5657.6
55°	3835.7	4232.5	4875.2	5242.7	5305.9
57.5°	3450.1	3869.5	4530.2	4879.7	4918.0
60°	3069.0	3504.2	4178.4	4485.1	4498.6
62.5°	2696.9	3154.7	3817.6	4061.1	4043.1
65°	2340.6	2818.7	3450.1	3621.4	3580.8
67.5°	1997.9	2491.7	3073.5	3184.0	3129.9
70°	1673.2	2173.8	2708.2	2764.6	2714.9
72.5°	1386.8	1871.6	2338.4	2385.7	2349.6
75°	1102.7	1583.0	1997.9	2049.7	2029.4
77.5°	836.6	1303.4	1684.4	1752.1	1756.6
80°	602.1	1048.5	1411.6	1517.6	1531.1
82.5°	396.9	814.0	1183.8	1319.1	1339.4
85°	230.0	606.6	1001.2	1138.7	1159.0
87.5°	99.2	437.5	805.0	929.0	953.8
90°	0.0	236.8	572.8	721.6	750.9
92.5°	6.8	196.2	491.6	626.9	651.7
95°	11.3	160.1	428.4	545.7	566.0
97.5°	13.5	135.3	372.1	475.8	496.1
100°	13.5	117.3	322.5	417.2	435.2
102.5°	13.5	103.7	281.9	365.3	381.1
105°	15.8	92.5	248.0	324.7	338.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	18.0	60.9	171.4	230.0	239.0
115°	18.0	51.9	153.3	205.2	214.2
117.5°	20.3	45.1	135.3	184.9	191.7
120°	20.3	38.3	119.5	164.6	173.6
122.5°	20.3	31.6	106.0	148.8	155.6
125°	18.0	24.8	92.5	133.0	139.8
127.5°	15.8	20.3	78.9	119.5	126.3
130°	15.8	18.0	67.6	106.0	112.7
132.5°	15.8	20.3	56.4	92.5	101.5
135°	15.8	20.3	47.4	81.2	90.2
137.5°	15.8	20.3	38.3	69.9	78.9
140°	18.0	20.3	31.6	58.6	67.6
142.5°	20.3	20.3	24.8	49.6	56.4
145°	22.5	20.3	22.5	40.6	47.4
147.5°	22.5	22.5	22.5	31.6	38.3
150°	22.5	24.8	22.5	24.8	31.6
152.5°	22.5	24.8	22.5	20.3	24.8
155°	22.5	24.8	22.5	20.3	22.5
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°	15.8	81.2	218.7	288.6	299.9
110°	15.8	72.2	193.9	257.1	268.3



(END OF REPORT)