

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: P830305

Luminaire Tested: **OHBL-30SE-W-UNV-L940-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830305
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30SE-W-UNV-L940-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

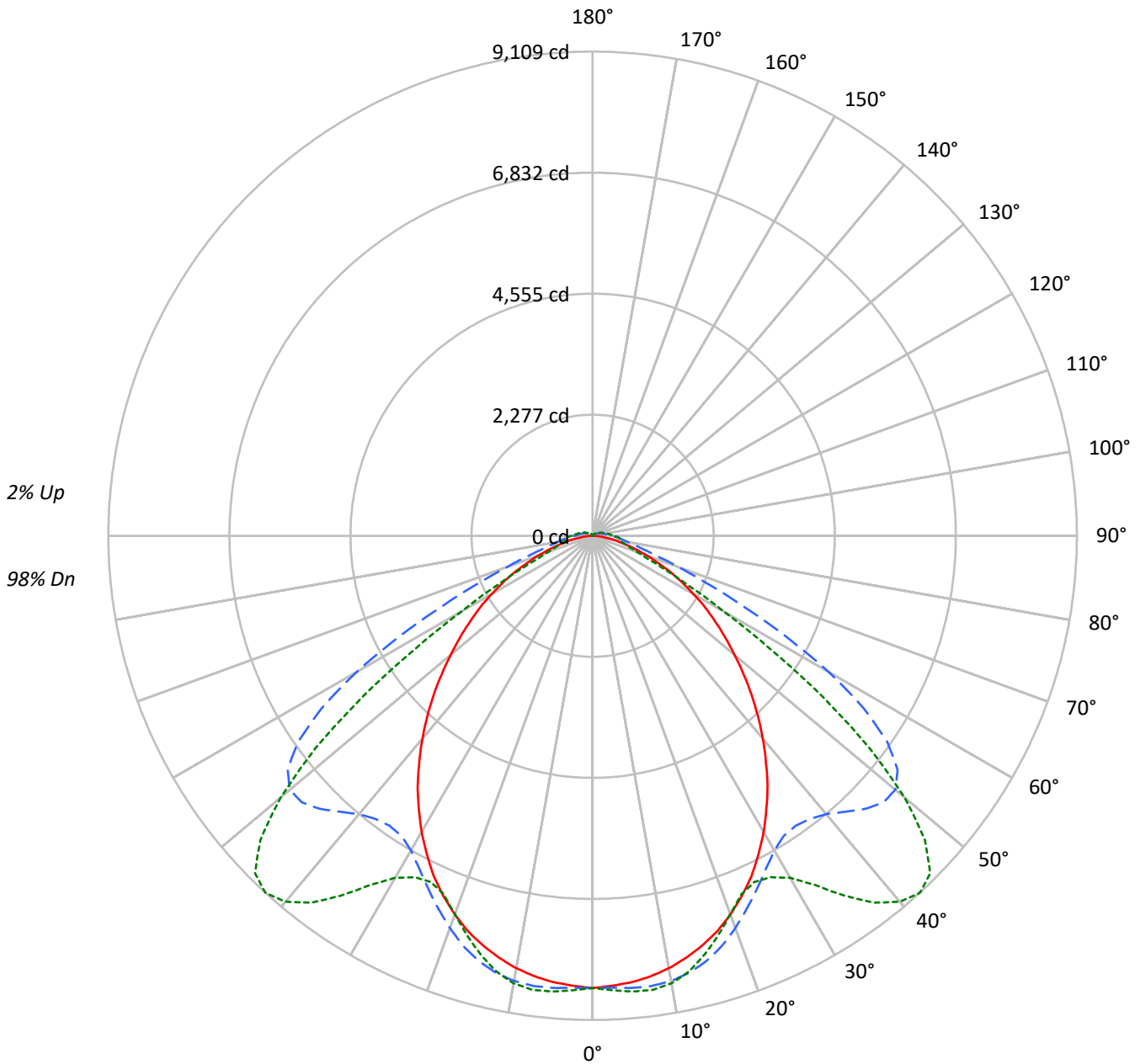
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25477.0 lumens
Efficiency: N/A
Efficacy: 146.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
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_{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	110	110	110	105	105	105	100	100	100	98																			
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	83																			
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	70																			
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	59																			
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	50																			
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	43																			
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	38																			
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	33																			
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29																			
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14533	14533	14533
5°	14398	14513	14627
10°	14217	14491	14573
15°	13940	14251	14037
20°	13560	13761	13281
25°	13051	13168	12944
30°	12375	12727	13849
35°	11603	12962	16105
40°	10708	14038	18488
45°	9772	15924	19716
50°	8796	17608	18179
55°	7879	17585	13738
60°	6945	14877	8285
65°	5958	10272	4930
70°	4841	6640	3474
75°	3683	4757	3105
80°	2643	4177	3295
85°	1794	4587	4583



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	813.1	3.2
10°-20°	2302.5	9.0
20°-30°	3369.3	13.2
30°-40°	4375.8	17.2
40°-50°	5343.4	21.0
50°-60°	4705.7	18.5
60°-70°	2452.2	9.6
70°-80°	1051.6	4.1
80°-90°	505.0	2.0
90°-100°	237.3	0.9
100°-110°	147.5	0.6
110°-120°	87.2	0.3
120°-130°	47.4	0.2
130°-140°	23.8	0.1
140°-150°	11.4	0.0
150°-160°	4.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	6484.9	25.5
0°-40°	10860.7	42.6
0°-60°	20909.7	82.1
0°-90°	24918.5	97.8
90°-120°	471.9	1.9
90°-150°	554.6	2.2
90°-180°	559.0	2.2
0°-180°	25477.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8509	8509	8509	8509	8509	
5°	8430	8494	8540	8615	8606	799
15°	7976	8200	8279	8217	8151	2246
25°	7068	7446	7319	7182	7189	3243
35°	5737	6343	6660	7767	8265	3576
45°	4224	5315	7264	8795	8979	3257
55°	2812	4656	6765	5931	5272	2524
65°	1614	3226	3097	1722	1482	1597
75°	650	1509	995	681	646	709
85°	138	538	507	496	501	153
90°	2	195	334	382	391	10
95°	4	114	266	312	321	3
105°	7	64	173	207	211	8
115°	11	37	106	130	134	11
125°	13	18	62	81	83	11
135°	11	11	29	50	51	9
145°	15	11	13	24	28	9
155°	15	15	11	11	11	5
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°	8508.9	8508.9	8508.9	8508.9	8508.9
2.5°	8472.1	8508.9	8510.7	8562.1	8556.6
5°	8429.9	8494.2	8540.1	8615.3	8606.1
7.5°	8360.2	8461.1	8541.9	8624.5	8617.2
10°	8261.0	8398.7	8505.2	8573.1	8551.1
12.5°	8132.5	8314.3	8418.9	8433.6	8391.4
15°	7976.5	8200.4	8279.4	8217.0	8150.9
17.5°	7800.2	8062.8	8090.3	7954.4	7871.8
20°	7579.9	7879.2	7851.6	7664.4	7572.6
22.5°	7335.8	7677.2	7589.1	7392.7	7304.6
25°	7067.8	7445.9	7319.3	7181.6	7188.9
27.5°	6753.8	7183.4	7060.4	7122.8	7240.3
30°	6434.4	6908.1	6832.8	7196.3	7427.6
32.5°	6083.8	6625.3	6693.3	7411.1	7789.2
35°	5736.8	6342.6	6660.2	7767.2	8264.7
37.5°	5353.1	6056.2	6713.5	8178.4	8699.8
40°	4980.5	5777.2	6834.6	8547.4	8988.0
42.5°	4600.5	5527.5	7038.4	8765.9	9109.2
45°	4224.1	5314.6	7264.2	8795.2	8978.8
47.5°	3847.8	5134.7	7420.2	8562.1	8477.6
50°	3484.3	4975.0	7431.2	8002.2	7657.0
52.5°	3144.7	4828.1	7229.3	7110.0	6573.9
55°	2812.4	4655.5	6764.9	5931.4	5272.4
57.5°	2509.5	4416.9	6048.9	4664.7	3945.1
60°	2188.3	4093.8	5123.7	3412.7	2845.5
62.5°	1892.7	3691.8	4086.5	2375.5	2045.1
65°	1613.7	3225.5	3097.0	1722.0	1481.5
67.5°	1318.1	2742.7	2285.5	1255.7	1101.5
70°	1086.8	2294.7	1701.8	976.6	886.7
72.5°	850.0	1868.8	1272.2	793.1	743.5
75°	649.9	1509.0	995.0	681.1	646.2
77.5°	479.1	1193.3	800.4	602.1	569.1
80°	335.9	939.9	670.1	537.9	525.0
82.5°	225.8	727.0	570.9	512.2	514.0
85°	137.7	537.9	506.7	495.7	501.2
87.5°	66.1	381.8	435.1	451.6	457.1
90°	1.8	194.6	334.1	381.8	391.0
92.5°	0.0	148.7	293.7	341.5	350.6
95°	3.7	113.8	266.2	312.1	321.3
97.5°	3.7	93.6	238.7	286.4	291.9
100°	5.5	80.8	213.0	258.8	264.4
102.5°	5.5	71.6	190.9	231.3	235.0
105°	7.3	64.3	172.6	207.4	211.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	11.0	44.1	121.2	146.9	150.5
115°	11.0	36.7	106.5	130.3	134.0
117.5°	12.9	33.0	93.6	115.7	117.5
120°	12.9	27.5	80.8	102.8	104.6
122.5°	12.9	22.0	71.6	91.8	93.6
125°	12.9	18.4	62.4	80.8	82.6
127.5°	11.0	12.9	53.2	71.6	73.4
130°	11.0	11.0	44.1	62.4	66.1
132.5°	11.0	11.0	36.7	55.1	58.7
135°	11.0	11.0	29.4	49.6	51.4
137.5°	11.0	11.0	23.9	42.2	45.9
140°	11.0	11.0	18.4	36.7	38.6
142.5°	12.9	11.0	16.5	31.2	33.0
145°	14.7	11.0	12.9	23.9	27.5
147.5°	14.7	12.9	12.9	20.2	22.0
150°	14.7	14.7	11.0	14.7	18.4
152.5°	14.7	14.7	11.0	11.0	14.7
155°	14.7	14.7	11.0	11.0	11.0
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°	9.2	56.9	154.2	185.4	189.1
110°	9.2	49.6	135.8	165.2	168.9



(END OF REPORT)