

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: P830281

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830281
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30SE-N-UNV-L940-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

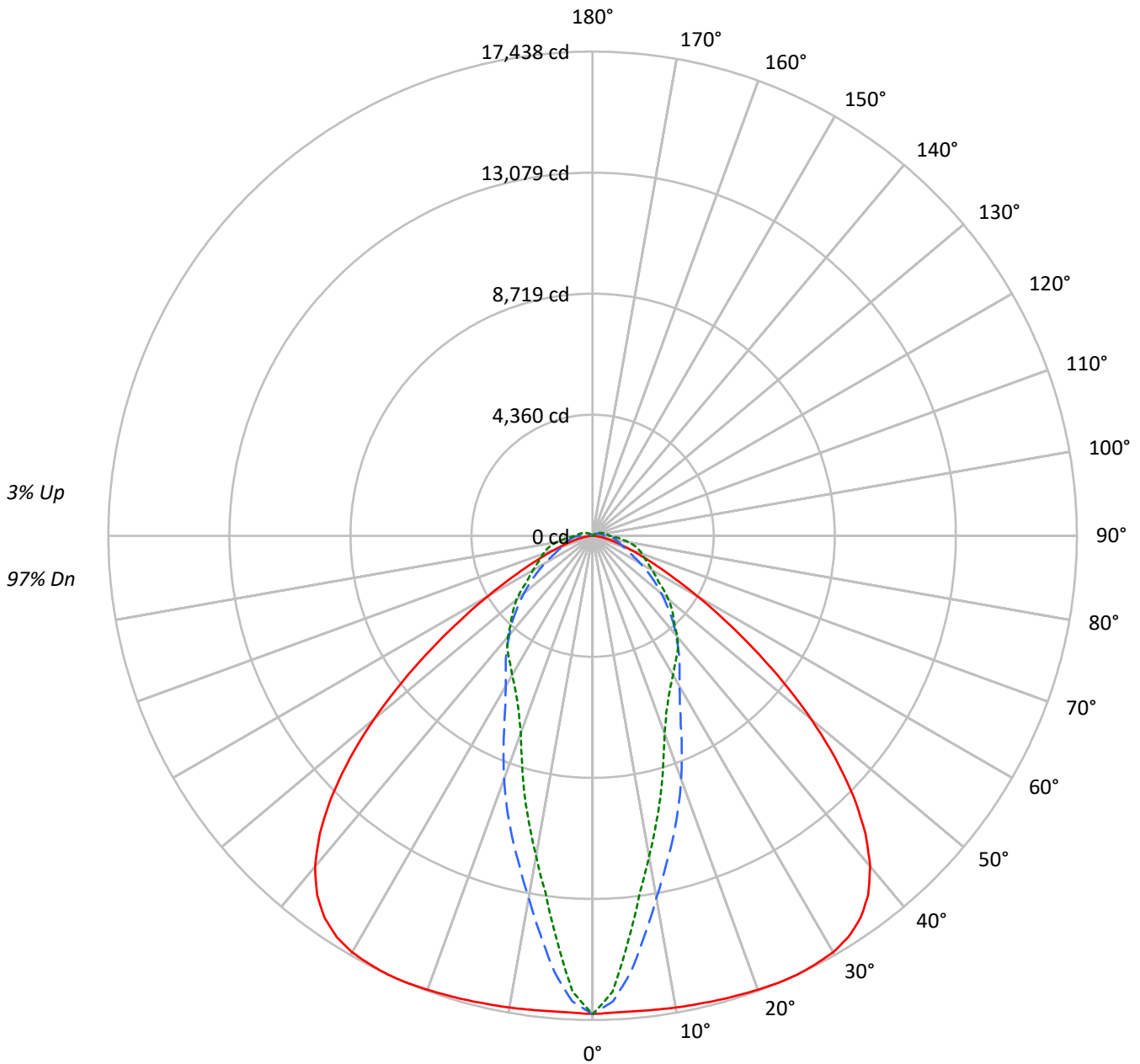
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25424.0 lumens
Efficiency: N/A
Efficacy: 146.1 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	97																	
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	82																	
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	71																	
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	62																	
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	54																	
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	48																	
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	43																	
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	39																	
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	35																	
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	32																	
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	30																	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	29422	29422	29422
5°	29362	26794	24912
10°	29693	22569	19975
15°	30273	19302	16395
20°	31124	16321	13261
25°	32200	13509	11619
30°	33313	11638	10794
35°	34007	10606	10284
40°	33424	9580	9756
45°	30749	8658	9033
50°	25943	7649	8478
55°	19713	6700	7544
60°	13814	5746	7222
65°	9292	4948	7071
70°	6346	4644	7418
75°	4404	4789	7926
80°	3032	5304	8159
85°	1773	6635	8559



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1450.1	5.7
10°-20°	3411.2	13.4
20°-30°	4275.9	16.8
30°-40°	4537.2	17.8
40°-50°	4102.4	16.1
50°-60°	2974.5	11.7
60°-70°	1866.6	7.3
70°-80°	1235.3	4.9
80°-90°	711.7	2.8
90°-100°	344.8	1.4
100°-110°	238.0	0.9
110°-120°	146.8	0.6
120°-130°	71.1	0.3
130°-140°	32.7	0.1
140°-150°	17.9	0.1
150°-160°	7.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
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0°-30°	9137.2	35.9
0°-40°	13674.5	53.8
0°-60°	20751.4	81.6
0°-90°	24564.9	96.6
90°-120°	729.6	2.9
90°-150°	851.3	3.3
90°-180°	859.0	3.4
0°-180°	25424.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17226	17226	17226	17226	17226	
5°	17192	16751	15767	15036	14657	###
15°	17323	14119	11214	9973	9520	4913
25°	17438	10917	7509	6664	6453	8056
35°	16813	7258	5450	5279	5278	10452
45°	13291	4597	3950	4045	4114	10125
55°	7037	2849	2577	2795	2895	6358
65°	2517	1653	1492	1912	2125	2619
75°	777	890	1002	1556	1649	866
85°	136	369	733	1020	936	163
90°	0	154	425	598	603	9
95°	7	108	374	508	531	6
105°	13	72	272	361	370	13
115°	18	51	184	230	234	18
125°	20	26	94	118	116	17
135°	16	20	41	64	64	13
145°	20	21	25	38	36	12
155°	20	25	26	28	25	6
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°	17226.1	17226.1	17226.1	17226.1	17226.1
2.5°	17190.0	17091.7	16785.1	16598.2	16440.8
5°	17191.7	16750.7	15767.0	15035.8	14657.0
7.5°	17216.3	16235.9	14463.6	13396.3	12979.8
10°	17254.0	15598.1	13247.1	12109.3	11720.7
12.5°	17281.9	14880.0	12176.5	11007.5	10581.3
15°	17322.8	14119.3	11214.1	9973.0	9520.5
17.5°	17360.6	13402.8	10263.2	8966.4	8463.0
20°	17398.3	12630.6	9312.3	7976.1	7561.3
22.5°	17434.3	11815.8	8384.3	7207.2	6923.6
25°	17437.6	10917.4	7508.9	6664.5	6453.0
27.5°	17395.0	9986.1	6799.0	6210.4	6079.2
30°	17321.2	9082.8	6248.1	5882.5	5789.0
32.5°	17137.6	8161.4	5821.8	5566.1	5512.0
35°	16813.0	7258.0	5449.7	5279.2	5277.5
37.5°	16301.4	6456.3	5046.3	5016.8	5052.9
40°	15545.6	5754.6	4664.3	4743.0	4743.0
42.5°	14537.4	5144.7	4318.4	4398.8	4377.4
45°	13291.3	4597.1	3949.5	4044.6	4113.5
47.5°	11847.0	4115.1	3572.4	3756.1	3851.2
50°	10276.3	3656.1	3228.2	3462.6	3570.8
52.5°	8630.3	3231.4	2892.1	3160.9	3247.8
55°	7036.7	2849.4	2577.3	2795.3	2895.3
57.5°	5593.9	2485.5	2269.1	2475.6	2682.2
60°	4352.8	2172.3	1978.9	2274.0	2480.5
62.5°	3324.9	1893.6	1706.7	2085.4	2292.0
65°	2516.6	1652.6	1491.9	1911.6	2124.8
67.5°	1896.9	1444.4	1324.7	1785.4	1993.6
70°	1424.7	1242.7	1190.3	1706.7	1893.6
72.5°	1052.6	1057.5	1083.7	1637.8	1780.5
75°	777.1	890.2	1001.7	1555.9	1649.3
77.5°	555.8	737.8	928.0	1457.5	1490.3
80°	385.3	601.7	850.9	1328.0	1300.1
82.5°	241.0	482.0	782.0	1185.4	1108.3
85°	136.1	368.9	732.9	1019.8	936.1
87.5°	60.7	275.4	641.0	795.2	742.7
90°	0.0	154.1	424.6	598.4	603.3
92.5°	3.3	127.9	391.8	547.6	564.0
95°	6.6	108.2	373.8	508.2	531.2
97.5°	8.2	95.1	350.9	472.2	491.8
100°	9.8	85.3	323.0	434.5	450.9
102.5°	11.5	78.7	296.7	395.1	408.2
105°	13.1	72.1	272.2	360.7	370.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	16.4	55.7	204.9	259.0	267.2
115°	18.0	50.8	183.6	229.5	234.4
117.5°	19.7	44.3	160.7	201.7	203.3
120°	19.7	39.3	137.7	172.1	172.1
122.5°	19.7	32.8	114.8	142.6	141.0
125°	19.7	26.2	93.5	118.0	116.4
127.5°	18.0	21.3	75.4	98.4	96.7
130°	18.0	21.3	60.7	83.6	83.6
132.5°	16.4	19.7	49.2	72.1	72.1
135°	16.4	19.7	41.0	63.9	63.9
137.5°	16.4	21.3	34.4	55.7	55.7
140°	16.4	19.7	29.5	49.2	49.2
142.5°	18.0	19.7	26.2	42.6	42.6
145°	19.7	21.3	24.6	37.7	36.1
147.5°	19.7	23.0	24.6	32.8	31.2
150°	19.7	24.6	24.6	29.5	27.9
152.5°	19.7	24.6	24.6	27.9	26.2
155°	19.7	24.6	26.2	27.9	24.6
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°	13.1	67.2	249.2	323.0	334.5
110°	14.8	60.7	227.9	288.6	300.0



(END OF REPORT)