

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: P830269

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

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830269
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-L940-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

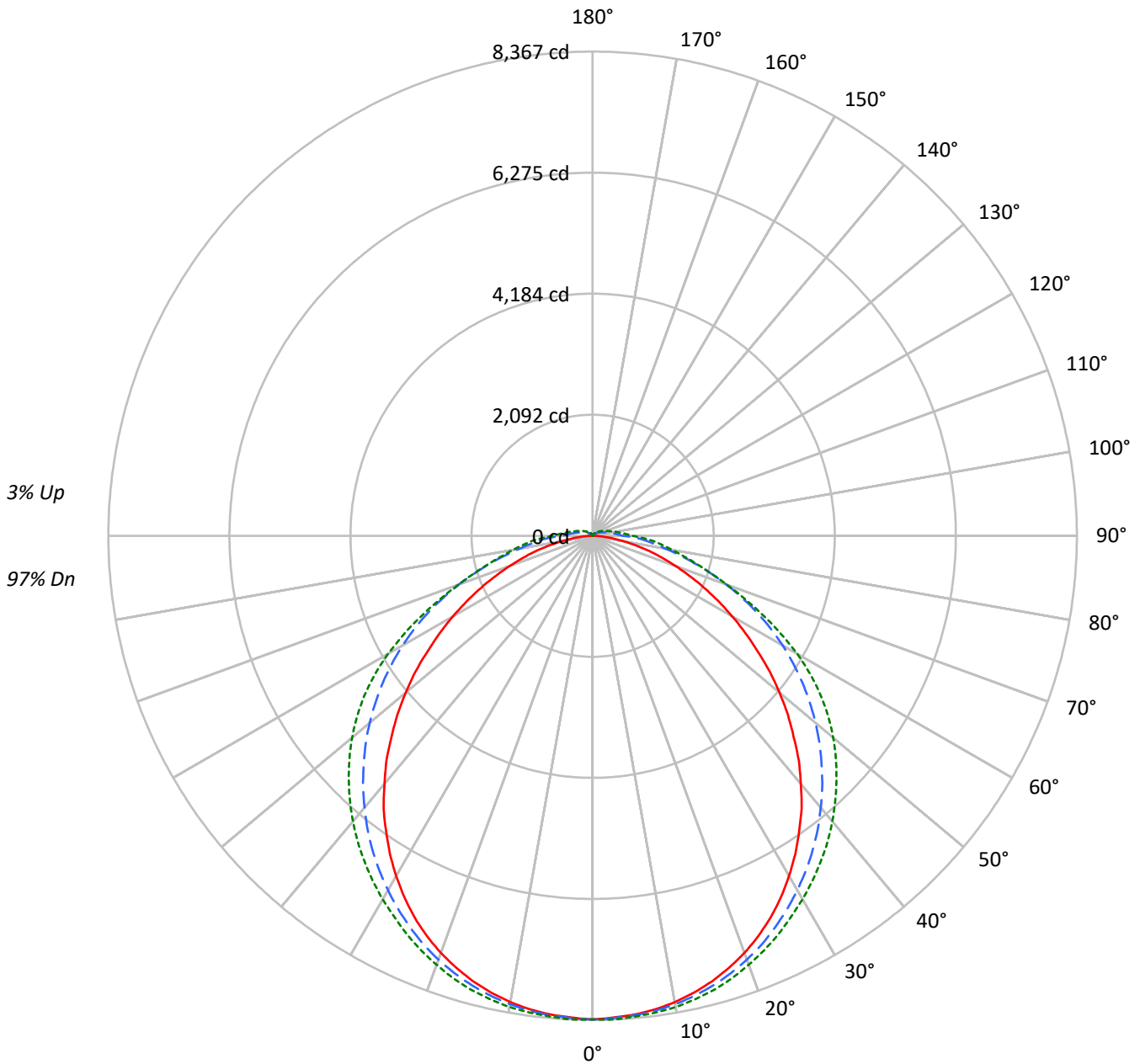
Lumens per Lamp: N/A
Luminaire Lumens: 25017.0 lumens
Efficiency: N/A
Efficacy: 143.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 174
Input Voltage (V): NR
Input Current (A_{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	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°	14277	14277	14277
5°	14186	14135	14176
10°	14086	14004	14093
15°	13929	13849	13986
20°	13720	13660	13835
25°	13441	13426	13681
30°	13055	13173	13526
35°	12587	12904	13390
40°	12026	12593	13255
45°	11364	12256	13086
50°	10639	11915	12881
55°	9748	11497	12543
60°	8836	11007	11883
65°	7841	10381	10811
70°	6762	9586	9649
75°	5669	8666	8848
80°	4298	7983	8718
85°	2720	8223	9615



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	792.1	3.2
10°-20°	2272.3	9.1
20°-30°	3436.5	13.7
30°-40°	4125.5	16.5
40°-50°	4261.0	17.0
50°-60°	3833.5	15.3
60°-70°	2887.7	11.5
70°-80°	1743.7	7.0
80°-90°	852.8	3.4
90°-100°	359.0	1.4
100°-110°	204.9	0.8
110°-120°	120.3	0.5
120°-130°	68.0	0.3
130°-140°	35.8	0.1
140°-150°	17.4	0.1
150°-160°	6.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	6500.8	26.0
0°-40°	10626.3	42.5
0°-60°	18720.8	74.8
0°-90°	24205.1	96.8
90°-120°	684.2	2.7
90°-150°	805.4	3.2
90°-180°	812.0	3.2
0°-180°	25017.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8359	8359	8359	8359	8359	
5°	8306	8328	8318	8351	8341	789
15°	7970	8009	8046	8114	8122	2247
25°	7279	7359	7463	7580	7598	3348
35°	6223	6368	6630	6831	6872	3890
45°	4912	5159	5591	5896	5959	3792
55°	3480	3840	4423	4756	4814	3120
65°	2124	2557	3130	3286	3249	2110
75°	1000	1436	1812	1860	1841	1067
85°	209	550	908	1033	1052	241
90°	0	215	520	655	681	13
95°	10	145	389	495	514	9
105°	14	84	225	295	307	14
115°	16	47	139	186	194	17
125°	16	22	84	121	127	15
135°	14	18	43	74	82	11
145°	20	18	20	37	43	12
155°	20	22	20	18	20	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°	8359.0	8359.0	8359.0	8359.0	8359.0
2.5°	8334.4	8354.9	8342.6	8369.2	8367.2
5°	8305.8	8328.3	8318.1	8350.8	8340.6
7.5°	8256.7	8281.2	8279.2	8316.0	8311.9
10°	8185.1	8211.7	8219.9	8269.0	8269.0
12.5°	8086.9	8121.7	8142.1	8201.5	8203.5
15°	7970.3	8009.2	8046.0	8113.5	8121.7
17.5°	7829.1	7878.2	7929.4	8007.1	8017.3
20°	7669.6	7724.8	7794.3	7876.2	7888.5
22.5°	7485.4	7550.9	7640.9	7737.1	7751.4
25°	7278.8	7358.6	7462.9	7579.5	7598.0
27.5°	7043.6	7135.6	7276.8	7407.7	7424.1
30°	6787.8	6896.3	7072.2	7227.7	7254.3
32.5°	6517.8	6642.6	6859.4	7033.3	7070.1
35°	6223.2	6368.5	6630.3	6830.8	6871.7
37.5°	5932.7	6092.3	6388.9	6618.0	6667.1
40°	5593.1	5791.5	6131.1	6384.8	6444.1
42.5°	5274.0	5488.8	5873.4	6149.6	6206.8
45°	4911.9	5159.4	5591.1	5895.9	5959.3
47.5°	4572.3	4840.3	5319.0	5634.0	5699.5
50°	4214.3	4508.9	5028.5	5357.8	5425.4
52.5°	3856.3	4173.4	4727.8	5069.4	5132.8
55°	3479.8	3839.9	4422.9	4756.4	4813.7
57.5°	3130.0	3510.5	4109.9	4427.0	4461.8
60°	2784.3	3179.1	3790.8	4069.0	4081.3
62.5°	2446.7	2862.0	3463.5	3684.4	3668.0
65°	2123.5	2557.2	3130.0	3285.5	3248.7
67.5°	1812.5	2260.6	2788.4	2888.6	2839.5
70°	1518.0	1972.1	2457.0	2508.1	2463.1
72.5°	1258.1	1698.0	2121.5	2164.4	2131.7
75°	1000.4	1436.1	1812.5	1859.6	1841.2
77.5°	759.0	1182.4	1528.2	1589.6	1593.6
80°	546.2	951.3	1280.6	1376.8	1389.1
82.5°	360.1	738.5	1074.0	1196.8	1215.2
85°	208.7	550.3	908.3	1033.1	1051.5
87.5°	90.0	396.9	730.3	842.9	865.4
90°	0.0	214.8	519.6	654.6	681.2
92.5°	6.1	178.0	446.0	568.7	591.2
95°	10.2	145.2	388.7	495.1	513.5
97.5°	12.3	122.7	337.6	431.7	450.1
100°	12.3	106.4	292.5	378.5	394.8
102.5°	12.3	94.1	255.7	331.4	345.7
105°	14.3	83.9	225.0	294.6	306.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	16.4	55.2	155.5	208.7	216.9
115°	16.4	47.1	139.1	186.2	194.3
117.5°	18.4	40.9	122.7	167.8	173.9
120°	18.4	34.8	108.4	149.3	157.5
122.5°	18.4	28.6	96.2	135.0	141.2
125°	16.4	22.5	83.9	120.7	126.8
127.5°	14.3	18.4	71.6	108.4	114.6
130°	14.3	16.4	61.4	96.2	102.3
132.5°	14.3	18.4	51.1	83.9	92.1
135°	14.3	18.4	43.0	73.6	81.8
137.5°	14.3	18.4	34.8	63.4	71.6
140°	16.4	18.4	28.6	53.2	61.4
142.5°	18.4	18.4	22.5	45.0	51.1
145°	20.5	18.4	20.5	36.8	43.0
147.5°	20.5	20.5	20.5	28.6	34.8
150°	20.5	22.5	20.5	22.5	28.6
152.5°	20.5	22.5	20.5	18.4	22.5
155°	20.5	22.5	20.5	18.4	20.5
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°	14.3	73.6	198.4	261.9	272.1
110°	14.3	65.5	175.9	233.2	243.4



(END OF REPORT)