

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: P830291

Luminaire Tested: **OHBL-30SE-NL-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830291
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: OHBL-30SE-NL-UNV-L930-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

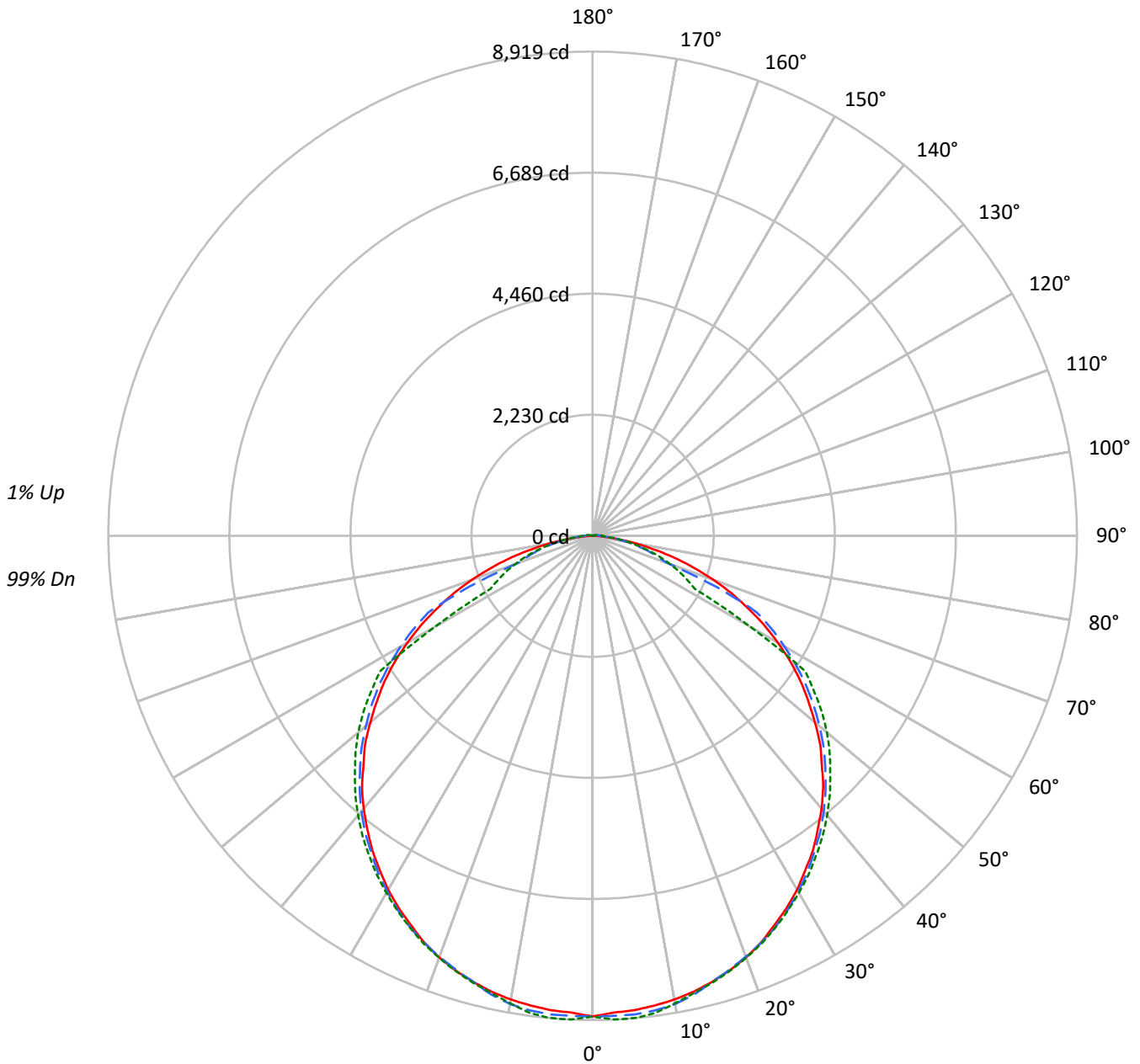
Lumens per Lamp: N/A
Luminaire Lumens: 24859.0 lumens
Efficiency: N/A
Efficacy: 142.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.67' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 174
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°	15123	15123	15123
5°	15039	15175	15290
10°	15043	15186	15167
15°	15041	15038	15071
20°	15020	14998	15034
25°	14918	14994	15005
30°	14849	14925	14984
35°	14752	14833	14972
40°	14625	14764	14982
45°	14414	14632	14951
50°	14197	14486	14965
55°	13925	14286	14800
60°	13459	13937	11522
65°	12733	13474	7754
70°	11777	7153	7526
75°	10273	6797	7187
80°	7900	6235	6586
85°	3988	6302	6453



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	841.2	3.4
10°-20°	2408.5	9.7
20°-30°	3664.8	14.7
30°-40°	4455.8	17.9
40°-50°	4685.1	18.8
50°-60°	4278.1	17.2
60°-70°	2742.4	11.0
70°-80°	1295.5	5.2
80°-90°	359.2	1.4
90°-100°	95.1	0.4
100°-110°	26.0	0.1
110°-120°	7.2	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°	6914.4	27.8
0°-40°	11370.3	45.7
0°-60°	20333.4	81.8
0°-90°	24730.6	99.5
90°-120°	128.4	0.5
90°-150°	128.4	0.5
90°-180°	128.0	0.5
0°-180°	24859.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8854	8854	8854	8854	8854	
5°	8772	8806	8851	8899	8918	834
15°	8506	8570	8505	8517	8523	2401
25°	7916	7928	7956	7968	7962	3653
35°	7075	7033	7114	7201	7181	4422
45°	5967	5956	6058	6200	6190	4612
55°	4676	4641	4798	4958	4970	4170
65°	3151	3151	3334	1912	1919	3124
75°	1557	1586	1030	1084	1089	1641
85°	204	258	322	348	329	301
90°	0	87	143	169	166	9
95°	5	45	103	138	138	3
105°	8	17	25	25	23	8
115°	8	11	16	11	2	5
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	0



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CATALOG NUMBER: OHBL-30SE-NL-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8854.1	8854.1	8854.1	8854.1	8854.1
2.5°	8792.0	8821.6	8854.1	8896.1	8919.3
5°	8771.7	8805.9	8851.0	8899.2	8917.8
7.5°	8728.3	8776.3	8819.9	8854.1	8865.0
10°	8673.9	8731.4	8756.3	8753.1	8745.4
12.5°	8600.8	8661.5	8653.8	8617.9	8624.2
15°	8506.1	8569.7	8504.6	8516.9	8523.2
17.5°	8394.2	8456.4	8380.3	8405.1	8406.7
20°	8263.8	8310.3	8251.3	8271.5	8271.5
22.5°	8106.9	8139.4	8114.6	8128.6	8131.7
25°	7915.7	7928.1	7956.0	7968.5	7962.3
27.5°	7732.5	7716.9	7771.3	7800.8	7785.1
30°	7528.9	7504.0	7567.7	7615.9	7597.3
32.5°	7295.8	7280.3	7353.4	7410.8	7399.9
35°	7075.2	7033.3	7114.0	7201.0	7180.8
37.5°	6814.2	6789.3	6881.0	6972.7	6961.9
40°	6559.4	6517.4	6621.6	6730.3	6719.4
42.5°	6286.0	6236.2	6349.7	6480.3	6467.8
45°	5967.4	5956.5	6057.5	6200.5	6189.6
47.5°	5684.8	5630.4	5771.7	5910.0	5922.5
50°	5342.8	5322.8	5451.7	5619.5	5631.8
52.5°	5008.9	4995.0	5130.0	5299.4	5321.1
55°	4676.3	4640.7	4797.6	4957.6	4970.1
57.5°	4320.7	4283.4	4443.4	4617.5	4643.8
60°	3939.9	3904.2	4079.8	4241.4	3373.0
62.5°	3559.3	3534.5	3717.9	2633.4	2122.4
65°	3150.7	3150.7	3334.0	1912.5	1918.7
67.5°	2768.6	2743.8	2485.9	1718.2	1718.2
70°	2358.4	2367.8	1432.3	1505.5	1507.0
72.5°	1946.7	1980.9	1236.8	1295.7	1298.8
75°	1556.7	1586.3	1030.0	1084.5	1089.1
77.5°	1143.5	879.3	828.0	870.1	871.6
80°	803.2	554.6	633.9	674.2	669.6
82.5°	469.1	388.4	464.5	494.1	492.5
85°	203.5	257.9	321.6	348.1	329.3
87.5°	65.1	160.0	200.3	216.0	214.3
90°	0.0	87.0	142.9	169.3	166.3
92.5°	0.0	68.3	124.4	155.4	156.9
95°	4.6	45.1	102.6	138.3	138.3
97.5°	3.1	32.6	73.0	108.7	111.9
100°	3.1	26.3	48.2	77.6	79.3
102.5°	7.7	21.7	29.4	49.7	51.3
105°	7.7	17.1	24.8	24.8	23.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	9.4	12.5	17.1	12.5	1.5
115°	7.7	10.9	15.5	10.9	1.5
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°	7.7	15.5	21.7	14.0	4.6
110°	9.4	14.0	18.6	12.5	1.5



(END OF REPORT)