

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: P829382

Luminaire Tested: **OHB-30SE-A-UNV-L950-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829382
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-30SE-A-UNV-L950-CD
Description: 30000 LUMEN OHB SE LED LUMINAIRE WITH 90CRI, 5000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

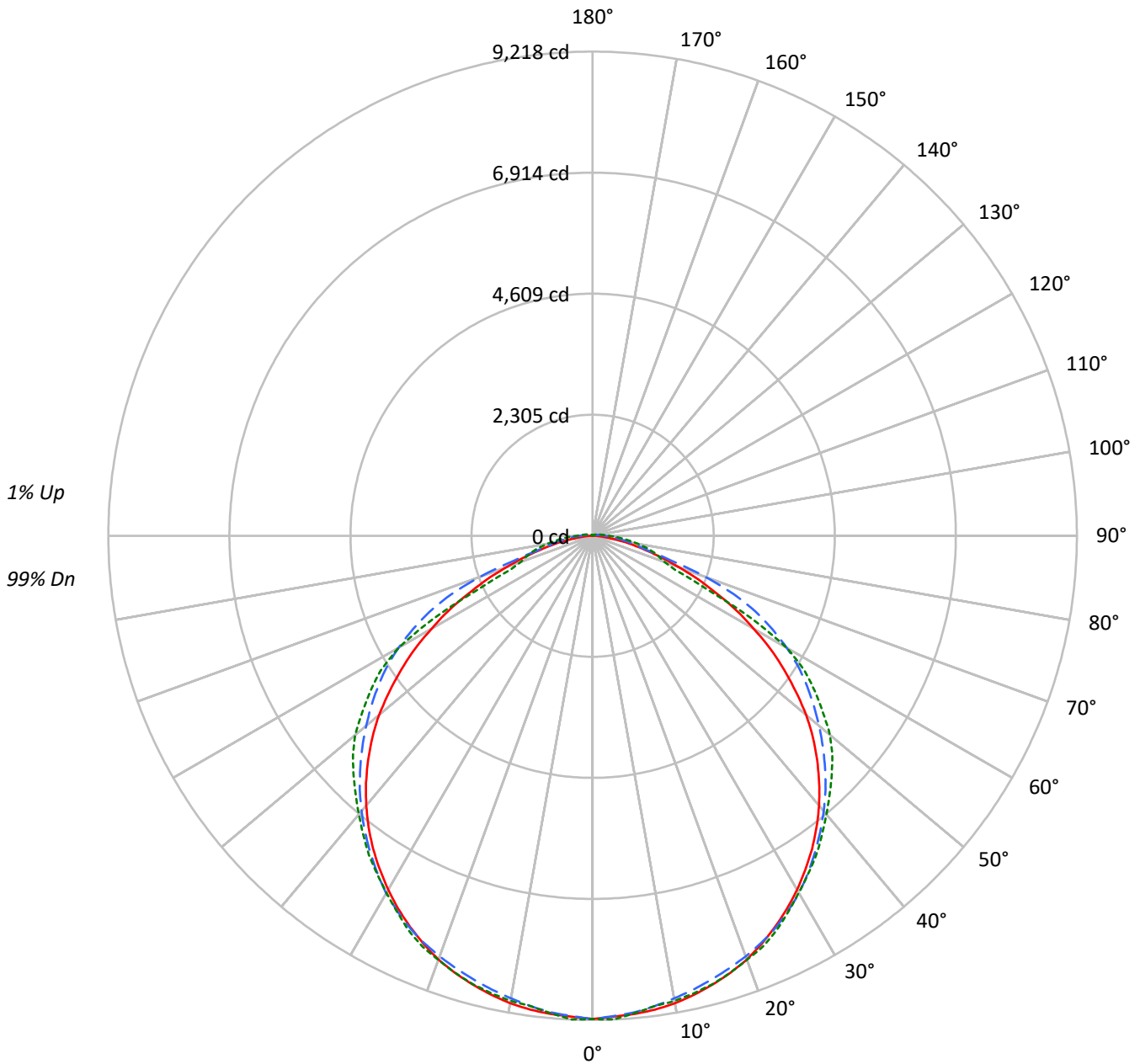
Lumens per Lamp: N/A
Luminaire Lumens: 26002.0 lumens
Efficiency: N/A
Efficacy: 143.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1.93' x H: 0.17')
CIE Type: Direct

Input Watts (W): 181
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	106	106	106	101	101	101				99																
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86				83																
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72				70																
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61				59																
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53				51																
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46				44																
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40				38																
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36				34																
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32				30																
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29				27																
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26				24																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30731	30731	30731
5°	30418	30193	30329
10°	30196	29646	29973
15°	29892	29216	29753
20°	29586	28911	29470
25°	29110	28602	29188
30°	28597	28167	28615
35°	28003	27529	28288
40°	27262	26869	27849
45°	26282	26115	27638
50°	25000	25263	27387
55°	23059	24407	26328
60°	20575	23207	24300
65°	17410	21120	15367
70°	13759	16275	11109
75°	10027	9485	11227
80°	6651	7661	10646
85°	3415	6655	9848



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	867.4	3.3
10°-20°	2487.4	9.6
20°-30°	3799.0	14.6
30°-40°	4609.5	17.7
40°-50°	4831.2	18.6
50°-60°	4377.8	16.8
60°-70°	2935.1	11.3
70°-80°	1318.0	5.1
80°-90°	478.3	1.8
90°-100°	144.0	0.6
100°-110°	67.9	0.3
110°-120°	34.0	0.1
120°-130°	18.8	0.1
130°-140°	12.9	0.0
140°-150°	8.7	0.0
150°-160°	6.4	0.0
160°-170°	4.1	0.0
170°-180°	1.3	0.0
0°-30°	7153.8	27.5
0°-40°	11763.3	45.2
0°-60°	20972.3	80.7
0°-90°	25703.7	98.9
90°-120°	246.0	0.9
90°-150°	286.3	1.1
90°-180°	298.0	1.1
0°-180°	26002.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9200	9200	9200	9200	9200	
5°	9140	9172	9108	9136	9124	869
15°	8843	8808	8746	8823	8834	2497
25°	8215	8179	8236	8312	8288	3787
35°	7281	7299	7373	7452	7422	4551
45°	6043	6141	6256	6416	6435	4655
55°	4447	4661	4979	5178	5166	3969
65°	2610	3018	3426	2892	2361	2600
75°	1027	1490	1096	1121	1194	1122
85°	177	339	435	525	551	216
90°	1	113	225	282	295	11
95°	1	70	154	188	193	2
105°	5	31	76	92	96	6
115°	11	16	39	49	52	10
125°	9	11	24	28	29	9
135°	12	13	15	21	23	10
145°	12	13	13	15	16	8
155°	13	15	15	15	13	6
165°	15	15	15	15	15	4
175°	15	15	13	12	12	1
180°	13	13	13	13	13	



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CATALOG NUMBER: OHB-30SE-A-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9199.5	9199.5	9199.5	9199.5	9199.5
2.5°	9162.3	9200.9	9153.0	9204.9	9218.2
5°	9139.7	9171.6	9107.7	9135.7	9123.7
7.5°	9098.4	9109.1	9033.3	9055.9	9031.9
10°	9037.2	9031.9	8942.8	8986.7	8992.0
12.5°	8946.8	8930.8	8851.0	8917.5	8918.9
15°	8843.0	8808.5	8745.9	8823.1	8833.7
17.5°	8723.3	8678.1	8636.9	8736.6	8720.7
20°	8583.7	8530.4	8522.5	8631.5	8591.6
22.5°	8410.7	8369.5	8388.1	8491.9	8466.6
25°	8215.2	8179.3	8236.5	8312.3	8288.4
27.5°	8009.0	7987.7	8052.9	8111.4	8064.9
30°	7782.9	7770.9	7857.4	7905.3	7846.7
32.5°	7536.8	7540.8	7623.3	7688.4	7633.9
35°	7281.4	7298.7	7373.2	7451.7	7422.4
37.5°	7000.7	7039.3	7113.8	7202.9	7172.3
40°	6704.1	6760.0	6842.4	6950.2	6922.3
42.5°	6383.5	6454.0	6560.5	6680.2	6677.5
45°	6043.0	6141.4	6255.8	6415.5	6435.4
47.5°	5689.2	5799.6	5944.6	6157.4	6188.0
50°	5304.8	5443.1	5624.0	5879.4	5898.0
52.5°	4876.4	5065.3	5304.8	5549.5	5526.9
55°	4446.8	4661.0	4978.9	5178.4	5166.4
57.5°	4018.5	4259.2	4645.0	4787.3	4786.0
60°	3539.6	3844.2	4265.9	4373.6	4267.2
62.5°	3096.7	3423.9	3861.5	3783.0	3418.6
65°	2609.8	3018.2	3426.5	2891.8	2361.1
67.5°	2177.5	2603.2	2910.4	1980.6	1696.0
70°	1742.5	2212.1	2269.3	1469.8	1449.9
72.5°	1356.8	1856.9	1565.6	1258.4	1322.2
75°	1026.9	1489.8	1096.1	1121.3	1194.5
77.5°	748.9	1144.0	852.6	983.0	1042.9
80°	514.8	810.1	695.7	826.0	867.3
82.5°	323.2	534.7	557.3	665.1	707.7
85°	176.9	339.2	435.0	525.4	550.7
87.5°	73.2	204.8	332.5	405.7	427.0
90°	1.3	113.1	224.8	282.0	295.3
92.5°	1.3	86.5	183.6	227.5	236.8
95°	1.3	70.5	154.3	187.6	192.9
97.5°	2.7	55.9	129.0	155.6	161.0
100°	4.0	46.6	107.7	130.4	134.3
102.5°	5.3	37.2	90.5	109.1	113.1
105°	5.3	30.6	75.8	91.8	95.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	9.3	18.6	45.2	57.2	59.9
115°	10.6	16.0	38.6	49.2	51.9
117.5°	10.6	13.3	33.3	41.2	43.9
120°	10.6	12.0	29.3	35.9	37.2
122.5°	10.6	10.6	25.3	31.9	33.3
125°	9.3	10.6	23.9	27.9	29.3
127.5°	10.6	10.6	21.3	25.3	26.6
130°	10.6	12.0	18.6	23.9	23.9
132.5°	12.0	13.3	17.3	22.6	22.6
135°	12.0	13.3	14.6	21.3	22.6
137.5°	13.3	13.3	13.3	20.0	21.3
140°	13.3	13.3	12.0	17.3	18.6
142.5°	12.0	13.3	12.0	16.0	17.3
145°	12.0	13.3	13.3	14.6	16.0
147.5°	13.3	13.3	13.3	13.3	14.6
150°	13.3	13.3	13.3	13.3	13.3
152.5°	13.3	13.3	13.3	13.3	13.3
155°	13.3	14.6	14.6	14.6	13.3
157.5°	13.3	14.6	14.6	14.6	14.6
160°	13.3	14.6	14.6	14.6	14.6
162.5°	14.6	14.6	14.6	14.6	14.6
165°	14.6	14.6	14.6	14.6	14.6
167.5°	14.6	16.0	14.6	14.6	14.6
170°	14.6	14.6	14.6	13.3	13.3
172.5°	14.6	14.6	14.6	13.3	13.3
175°	14.6	14.6	13.3	12.0	12.0
177.5°	16.0	14.6	13.3	12.0	10.6
180°	13.3	13.3	13.3	13.3	13.3



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	6.7	25.3	65.2	78.5	81.1
110°	8.0	21.3	54.5	66.5	69.2



(END OF REPORT)