

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: P826577

Luminaire Tested: **OHBL-30SE-MCL-UNV-L830-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826577
REPORT IS A COMBINATION OF REPORTS P826126 AND G3-2310-221-10
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30SE-MCL-UNV-L830-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

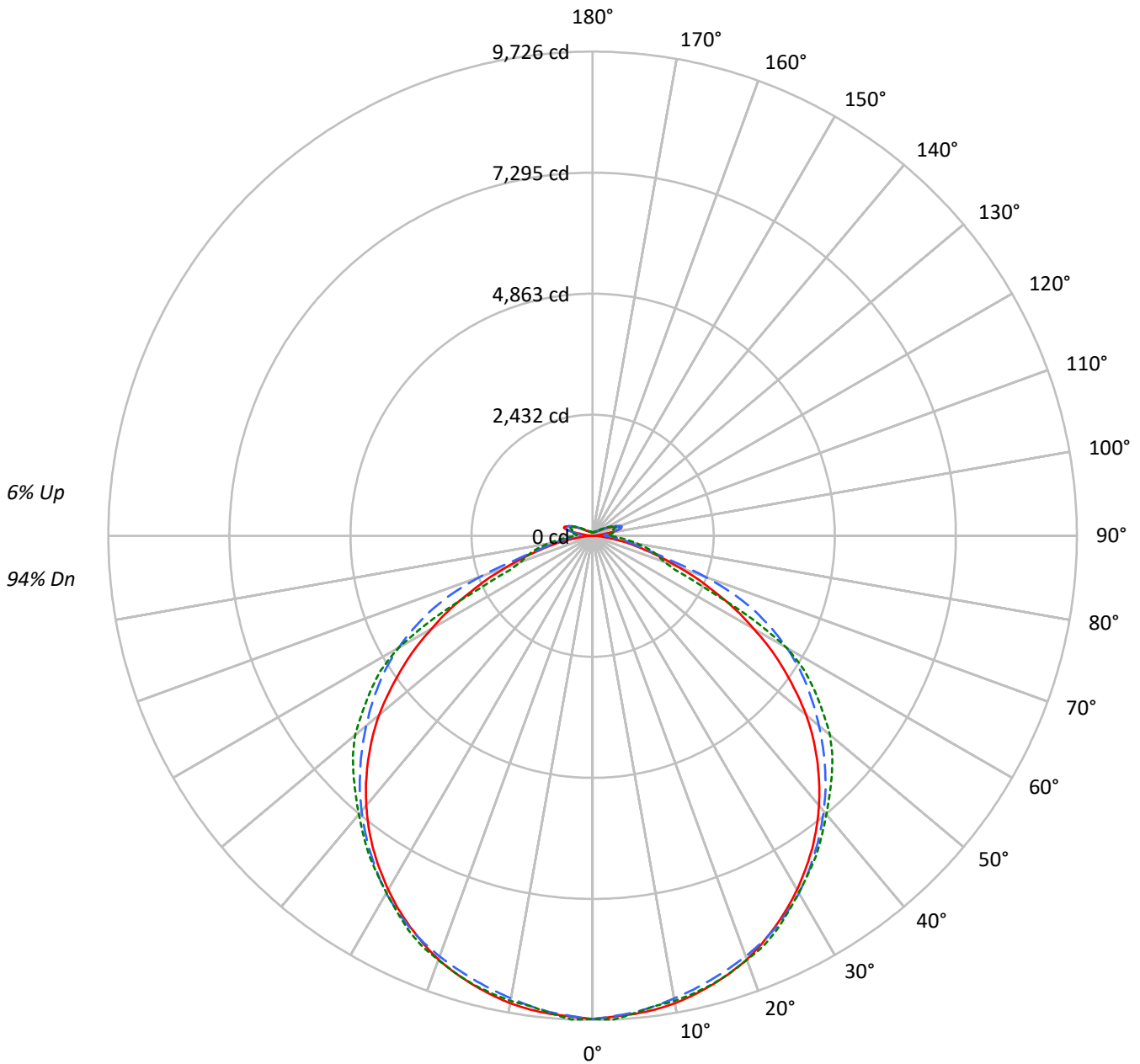
Lumens per Lamp: N/A
Luminaire Lumens: 28849.3 lumens
Efficiency: N/A
Efficacy: 156.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 184.3
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94																			
1	108	103	99	95	104	100	97	93	95	92	89	90	88	85	86	84	82	79																			
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	67																			
3	90	79	71	65	87	77	70	64	74	67	62	70	65	60	67	62	59	56																			
4	82	70	62	55	79	69	61	54	65	59	53	62	56	52	60	55	50	48																			
5	75	63	54	47	73	61	53	47	59	51	46	56	50	45	54	48	44	42																			
6	70	56	48	41	67	55	47	41	53	46	40	51	44	39	49	43	39	36																			
7	64	51	43	36	62	50	42	36	48	41	35	46	40	35	44	39	34	32																			
8	60	47	38	32	58	46	38	32	44	37	32	42	36	31	41	35	31	29																			
9	56	43	35	29	54	42	34	29	40	33	28	39	33	28	37	32	28	26																			
10	52	39	32	26	51	39	31	26	37	30	26	36	30	25	35	29	25	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16579	16579	16579
5°	16390	16331	16442
10°	16251	16076	16328
15°	16068	15884	16289
20°	15884	15760	16217
25°	15608	15635	16149
30°	15312	15442	15923
35°	14971	15141	15840
40°	14551	14829	15704
45°	14001	14469	15709
50°	13289	14060	15711
55°	12225	13656	15271
60°	10874	13069	14289
65°	9163	11991	9199
70°	7202	9342	6814
75°	5207	5529	7142
80°	3409	4575	7201
85°	1707	4155	7571



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	915.3	3.2
10°-20°	2624.5	9.1
20°-30°	4008.5	13.9
30°-40°	4863.6	16.9
40°-50°	5097.6	17.7
50°-60°	4619.1	16.0
60°-70°	3097.0	10.7
70°-80°	1390.7	4.8
80°-90°	508.2	1.8
90°-100°	287.4	1.0
100°-110°	541.2	1.9
110°-120°	439.4	1.5
120°-130°	213.5	0.7
130°-140°	110.4	0.4
140°-150°	65.4	0.2
150°-160°	39.6	0.1
160°-170°	21.4	0.1
170°-180°	6.6	0.0
0°-30°	7548.2	26.2
0°-40°	12411.9	43.0
0°-60°	22128.6	76.7
0°-90°	27124.4	94.0
90°-120°	1268.1	4.4
90°-150°	1657.3	5.7
90°-180°	1725.0	6.0
0°-180°	28849.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9707	9707	9707	9707	9707	
5°	9644	9677	9610	9639	9627	917
15°	9331	9294	9228	9310	9321	2634
25°	8668	8630	8691	8771	8745	3996
35°	7683	7701	7780	7862	7832	4802
45°	6376	6480	6601	6769	6790	4912
55°	4692	4918	5253	5464	5451	4188
65°	2754	3184	3616	3051	2491	2744
75°	1084	1572	1156	1183	1260	1184
85°	187	358	459	554	581	228
90°	4	140	264	333	352	13
95°	28	141	262	330	357	95
105°	595	613	575	447	422	564
115°	417	423	450	460	454	420
125°	206	219	238	241	241	195
135°	129	134	138	147	149	102
145°	97	101	102	106	107	62
155°	82	84	86	86	86	38
165°	74	74	75	75	75	21
175°	68	68	67	67	67	7
180°	67	67	67	67	67	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9706.7	9706.7	9706.7	9706.7	9706.7
2.5°	9667.4	9708.1	9657.6	9712.3	9726.4
5°	9643.5	9677.2	9609.8	9639.3	9626.7
7.5°	9600.1	9611.2	9531.3	9555.1	9529.9
10°	9535.5	9529.9	9435.8	9482.2	9487.8
12.5°	9440.0	9423.2	9339.0	9409.2	9410.6
15°	9330.6	9294.1	9228.1	9309.6	9320.7
17.5°	9204.3	9156.6	9113.0	9218.3	9201.4
20°	9056.9	9000.8	8992.3	9107.4	9065.3
22.5°	8874.4	8831.0	8850.6	8960.0	8933.4
25°	8668.1	8630.3	8690.6	8770.6	8745.4
27.5°	8450.6	8428.1	8496.9	8558.7	8509.6
30°	8212.0	8199.3	8290.6	8341.1	8279.3
32.5°	7952.3	7956.5	8043.5	8112.3	8054.8
35°	7682.9	7701.1	7779.7	7862.5	7831.6
37.5°	7386.8	7427.4	7506.0	7600.0	7567.7
40°	7073.7	7132.7	7219.7	7333.3	7303.9
42.5°	6735.5	6809.9	6922.1	7048.5	7045.7
45°	6376.2	6480.0	6600.7	6769.1	6790.3
47.5°	6002.8	6119.3	6272.3	6496.9	6529.2
50°	5597.2	5743.2	5934.1	6203.5	6223.2
52.5°	5145.3	5344.6	5597.2	5855.5	5831.6
55°	4692.0	4917.9	5253.4	5463.8	5451.3
57.5°	4240.0	4494.0	4901.0	5051.2	5049.8
60°	3734.8	4056.2	4501.1	4614.8	4502.5
62.5°	3267.4	3612.7	4074.4	3991.6	3607.0
65°	2753.7	3184.5	3615.5	3051.3	2491.3
67.5°	2297.5	2746.7	3070.9	2089.8	1789.5
70°	1838.6	2334.0	2394.4	1550.9	1529.8
72.5°	1431.6	1959.3	1651.9	1327.7	1395.1
75°	1083.5	1571.9	1156.5	1183.2	1260.3
77.5°	790.1	1207.0	899.7	1037.2	1100.4
80°	543.2	854.7	734.0	871.6	915.1
82.5°	341.0	564.2	588.1	701.7	746.7
85°	186.7	357.9	459.0	554.4	581.0
87.5°	77.2	216.2	350.9	428.1	450.6
90°	4.2	139.8	264.2	333.0	351.6
92.5°	10.7	117.2	236.5	299.5	318.7
95°	27.5	141.4	262.4	330.1	357.1
97.5°	157.3	232.9	326.0	382.9	405.3
100°	317.8	387.9	392.0	429.7	440.4
102.5°	509.9	526.9	455.6	438.9	437.5
105°	594.6	613.0	575.1	446.8	422.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	483.5	499.8	519.5	515.4	501.5
115°	417.0	422.6	450.1	459.5	453.9
117.5°	359.3	360.2	385.0	391.6	392.5
120°	301.6	306.7	325.9	331.0	331.5
122.5°	251.3	258.8	278.9	283.1	283.5
125°	206.2	218.8	238.3	240.7	241.2
127.5°	178.8	185.3	203.9	208.2	207.7
130°	156.4	162.5	175.0	181.6	181.6
132.5°	142.0	147.1	156.0	162.5	163.4
135°	129.0	134.1	138.3	147.1	149.4
137.5°	121.1	122.9	126.6	134.6	136.9
140°	111.8	114.6	115.9	122.5	124.8
142.5°	103.8	107.1	107.6	113.6	115.0
145°	97.3	100.6	102.5	105.7	107.1
147.5°	94.1	95.9	97.8	97.8	100.1
150°	89.4	91.3	92.2	93.1	93.1
152.5°	85.7	86.6	88.5	88.5	89.4
155°	82.0	84.3	86.2	86.2	85.7
157.5°	79.2	81.5	82.4	83.4	83.4
160°	76.4	78.7	79.7	79.7	80.6
162.5°	75.9	76.9	76.9	77.8	77.8
165°	74.1	74.1	75.0	75.0	75.0
167.5°	72.2	73.6	73.1	73.1	74.1
170°	70.4	71.3	71.3	69.9	70.8
172.5°	69.4	69.4	70.4	69.0	69.0
175°	68.5	68.5	67.1	66.6	66.6
177.5°	69.0	68.5	67.1	65.7	64.3
180°	67.1	67.1	67.1	67.1	67.1



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	596.0	616.7	615.0	503.4	438.3
110°	551.8	570.5	581.4	546.6	491.7



(END OF REPORT)