

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: P826578

Luminaire Tested: **OHBL-30SE-MCL-UNV-L830-CD-UPL30**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826578
REPORT IS A COMBINATION OF REPORTS P826282 AND G3-2310-221-4
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-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

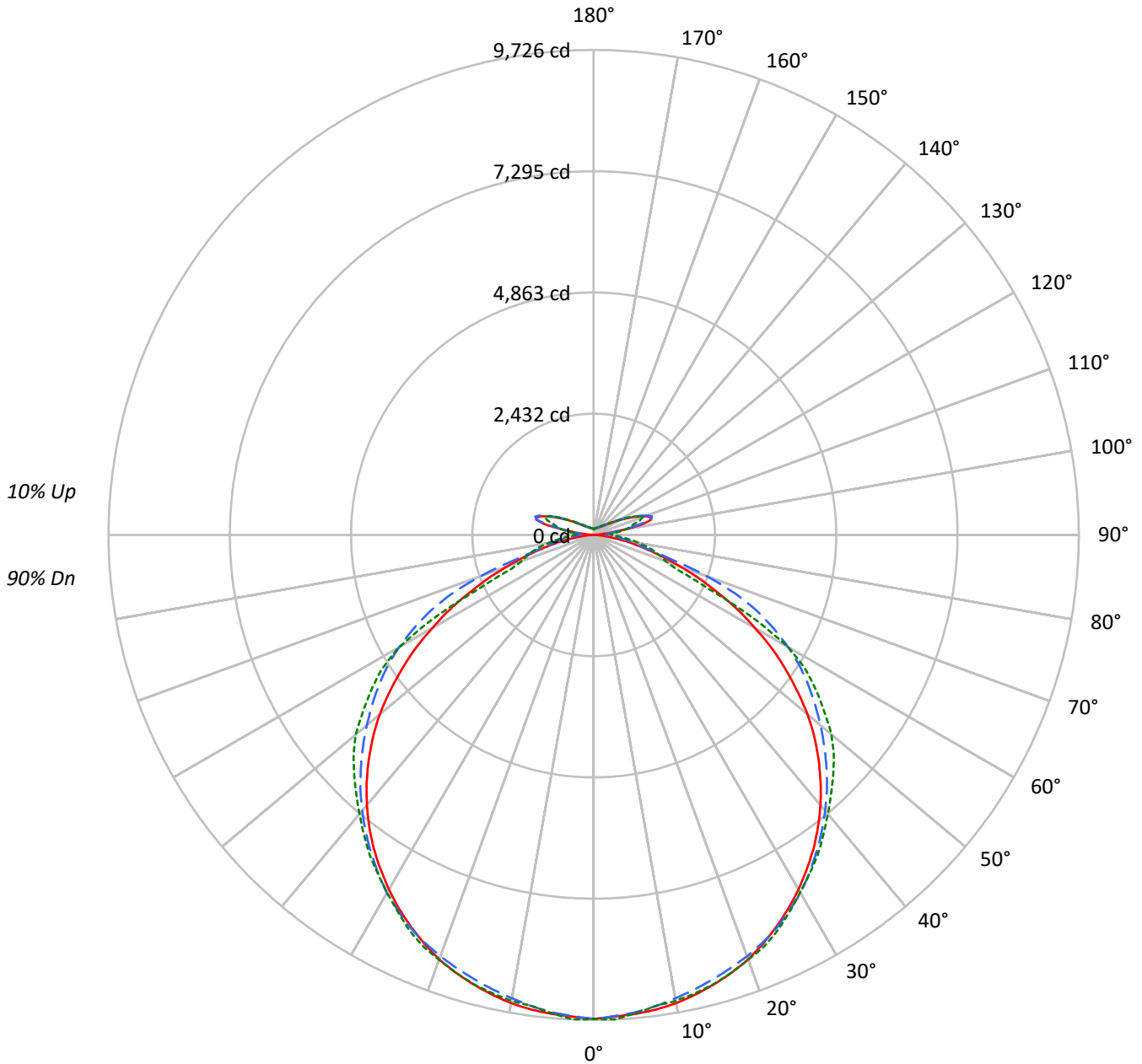
Lumens per Lamp: N/A
Luminaire Lumens: 30285.8 lumens
Efficiency: N/A
Efficacy: 153.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 197.2
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	117	117	117	117	113	113	113	113	105	105	105	99	99	99	92	92	92	90																			
1	107	102	98	94	103	99	95	92	93	90	87	87	85	83	82	80	78	76																			
2	97	89	83	77	94	87	81	76	81	76	72	77	73	69	72	69	66	63																			
3	89	79	71	64	85	76	69	63	72	66	61	68	63	58	64	60	56	54																			
4	81	70	61	55	78	68	60	54	64	57	52	60	55	50	57	52	48	46																			
5	75	62	53	47	72	60	52	46	57	50	45	54	48	43	51	46	42	40																			
6	69	56	47	41	66	54	46	40	52	44	39	49	43	38	46	41	37	35																			
7	64	51	42	36	61	49	41	36	47	40	35	45	38	34	42	37	33	31																			
8	59	46	38	32	57	45	37	32	43	36	31	41	35	30	39	33	29	27																			
9	55	42	34	29	53	41	34	28	39	32	28	38	31	27	36	30	26	24																			
10	52	39	31	26	50	38	31	26	36	30	25	35	29	24	33	28	24	22																			

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	3.0
10°-20°	2624.5	8.7
20°-30°	4008.5	13.2
30°-40°	4863.6	16.1
40°-50°	5097.6	16.8
50°-60°	4619.1	15.3
60°-70°	3097.0	10.2
70°-80°	1390.7	4.6
80°-90°	510.7	1.7
90°-100°	372.2	1.2
100°-110°	1067.6	3.5
110°-120°	855.8	2.8
120°-130°	406.7	1.3
130°-140°	208.7	0.7
140°-150°	123.2	0.4
150°-160°	73.6	0.2
160°-170°	39.1	0.1
170°-180°	12.0	0.0
0°-30°	7548.2	24.9
0°-40°	12411.9	41.0
0°-60°	22128.6	73.1
0°-90°	27126.9	89.6
90°-120°	2295.6	7.6
90°-150°	3034.2	10.0
90°-180°	3159.0	10.4
0°-180°	30285.8	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°	8	157	287	354	368	16
95°	54	181	293	363	380	194
105°	1194	1230	1186	927	832	1129
115°	832	838	860	876	862	833
125°	414	427	452	446	441	387
135°	250	256	263	275	276	197
145°	186	190	195	198	199	118
155°	153	157	159	161	159	72
165°	135	136	136	138	138	38
175°	123	124	123	122	122	12
180°	121	121	121	121	121	



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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°	7.9	157.4	287.4	354.4	368.3
92.5°	20.9	138.7	255.1	315.4	327.1
95°	54.4	181.4	293.1	362.6	380.3
97.5°	326.6	380.9	415.3	489.0	530.9
100°	643.5	724.7	617.1	649.3	658.2
102.5°	1014.3	1066.6	897.6	779.5	755.8
105°	1193.9	1229.9	1185.5	926.9	831.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	962.8	980.0	1009.0	1009.6	990.0
115°	832.0	837.6	860.5	875.5	861.5
117.5°	703.6	711.0	733.9	735.0	730.3
120°	593.8	603.6	619.9	621.3	615.3
122.5°	497.9	511.9	532.0	528.7	521.8
125°	413.7	427.2	452.3	445.5	441.3
127.5°	353.7	362.1	381.6	385.0	381.7
130°	306.2	315.1	331.4	338.8	337.9
132.5°	275.1	283.0	293.7	302.1	301.1
135°	249.9	256.0	263.0	274.6	276.0
137.5°	229.0	235.5	240.2	250.9	252.3
140°	213.2	217.8	221.1	228.5	230.9
142.5°	197.8	203.0	206.2	212.3	214.6
145°	185.7	189.9	194.6	197.8	199.2
147.5°	176.0	179.7	183.4	185.3	186.7
150°	167.6	170.4	174.1	175.0	176.0
152.5°	160.1	162.0	164.8	166.7	166.7
155°	152.7	156.9	158.8	160.6	159.2
157.5°	147.1	150.4	152.2	153.2	154.1
160°	142.5	144.8	146.7	147.6	148.5
162.5°	138.3	140.1	141.1	142.0	142.9
165°	134.6	135.5	136.4	138.3	138.3
167.5°	130.8	133.2	132.7	133.6	133.6
170°	128.0	129.0	129.9	128.5	128.5
172.5°	125.3	126.2	127.1	125.7	125.7
175°	123.4	124.3	122.9	122.5	122.5
177.5°	123.9	123.4	122.0	120.6	120.1
180°	121.1	121.1	121.1	121.1	121.1



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1194.4	1230.8	1229.2	1099.0	971.5
110°	1097.1	1130.7	1142.5	1107.7	1045.4



(END OF REPORT)