

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: P826579

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826579
REPORT IS A COMBINATION OF REPORTS P826127 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-MFL-UNV-L830-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

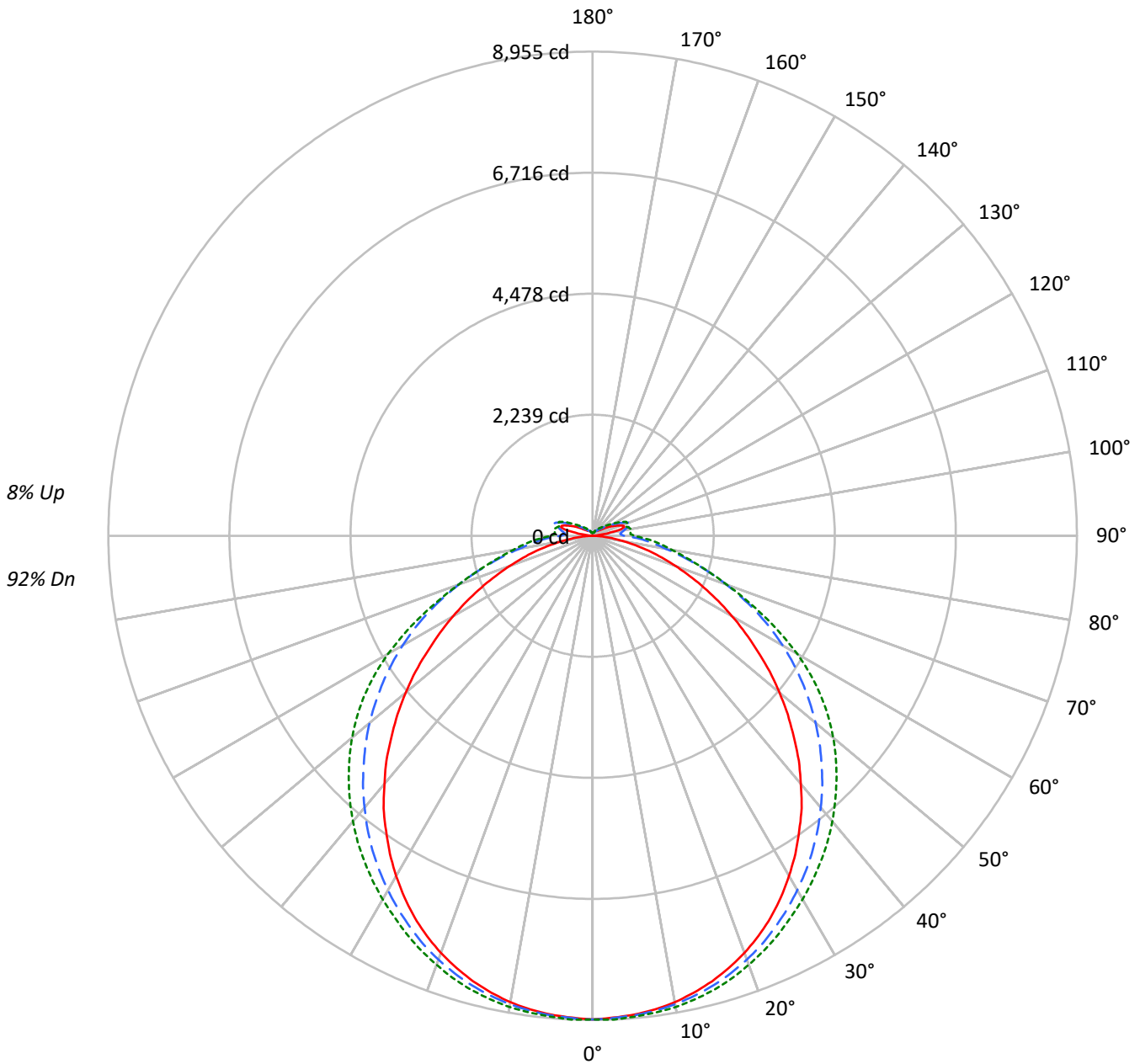
Lumens per Lamp: N/A
Luminaire Lumens: 28189.5 lumens
Efficiency: N/A
Efficacy: 153.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

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	117	117	117	117	113	113	113	113	107	107	107	100	100	100	95	95	95	92																			
1	106	101	97	93	103	98	94	91	93	89	86	87	85	82	82	80	78	76																			
2	97	88	81	75	93	86	79	74	81	75	71	76	72	68	72	69	65	63																			
3	88	77	69	63	85	75	68	61	71	65	59	67	62	57	64	59	55	53																			
4	80	68	60	53	78	67	58	52	63	56	50	60	54	49	57	52	47	45																			
5	74	61	52	45	71	59	51	45	56	49	44	54	47	42	51	46	41	39																			
6	68	55	46	40	66	54	45	39	51	44	38	49	42	37	46	41	36	34																			
7	63	50	41	35	61	49	40	35	46	39	34	44	38	33	42	36	32	30																			
8	59	45	37	31	57	44	36	31	42	35	30	40	34	29	39	33	29	27																			
9	55	42	33	28	53	41	33	28	39	32	27	37	31	27	36	30	26	24																			
10	52	38	30	25	50	38	30	25	36	29	25	35	28	24	33	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15281	15281	15281
5°	15109	15129	15246
10°	14930	14989	15231
15°	14690	14823	15191
20°	14396	14621	15104
25°	14027	14370	15017
30°	13546	14099	14933
35°	12979	13811	14876
40°	12314	13479	14830
45°	11544	13118	14756
50°	10709	12752	14659
55°	9705	12306	14433
60°	8677	11780	13863
65°	7563	11111	12838
70°	6364	10260	11743
75°	5145	9275	11167
80°	3669	8544	11698
85°	2042	8801	14665



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	847.7	3.0
10°-20°	2432.1	8.6
20°-30°	3678.1	13.0
30°-40°	4415.5	15.7
40°-50°	4560.5	16.2
50°-60°	4103.1	14.6
60°-70°	3090.8	11.0
70°-80°	1866.3	6.6
80°-90°	916.3	3.3
90°-100°	519.7	1.8
100°-110°	688.9	2.4
110°-120°	532.2	1.9
120°-130°	266.5	0.9
130°-140°	135.1	0.5
140°-150°	74.8	0.3
150°-160°	39.7	0.1
160°-170°	17.0	0.1
170°-180°	5.2	0.0
0°-30°	6957.8	24.7
0°-40°	11373.4	40.3
0°-60°	20037.0	71.1
0°-90°	25910.4	91.9
90°-120°	1740.8	6.2
90°-150°	2217.3	7.9
90°-180°	2279.0	8.1
0°-180°	28189.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8947	8947	8947	8947	8947	
5°	8890	8914	8903	8938	8927	845
15°	8531	8572	8612	8684	8693	2405
25°	7790	7876	7988	8112	8132	3583
35°	6661	6816	7096	7311	7355	4164
45°	5257	5522	5984	6310	6378	4059
55°	3724	4110	4734	5091	5152	3339
65°	2273	2737	3350	3516	3477	2258
75°	1071	1537	1940	1990	1971	1142
85°	223	589	972	1106	1125	258
90°	3	250	583	736	769	16
95°	37	222	516	662	703	102
105°	604	670	736	665	649	573
115°	423	456	558	607	607	428
125°	214	232	303	340	346	201
135°	132	140	169	204	213	104
145°	106	106	110	130	136	67
155°	90	93	93	90	94	39
165°	59	59	60	60	60	17
175°	53	53	53	54	54	5
180°	53	53	53	53	53	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8946.6	8946.6	8946.6	8946.6	8946.6
2.5°	8920.4	8942.3	8929.1	8957.6	8955.4
5°	8889.7	8913.8	8902.8	8937.9	8926.9
7.5°	8837.2	8863.4	8861.2	8900.7	8896.3
10°	8760.5	8789.0	8797.8	8850.3	8850.3
12.5°	8655.5	8692.7	8714.6	8778.0	8780.3
15°	8530.6	8572.2	8611.6	8683.9	8692.7
17.5°	8379.6	8432.1	8486.9	8570.0	8581.0
20°	8208.8	8267.9	8342.3	8429.9	8443.0
22.5°	8011.7	8081.8	8178.1	8281.0	8296.4
25°	7790.5	7875.9	7987.6	8112.4	8132.1
27.5°	7538.7	7637.3	7788.4	7928.5	7946.0
30°	7265.0	7381.1	7569.4	7735.8	7764.3
32.5°	6976.0	7109.6	7341.7	7527.8	7567.2
35°	6660.7	6816.2	7096.4	7311.0	7354.8
37.5°	6349.8	6520.6	6838.1	7083.3	7135.9
40°	5986.4	6198.7	6562.2	6833.7	6897.2
42.5°	5644.8	5874.7	6286.3	6581.9	6643.2
45°	5257.2	5522.1	5984.1	6310.4	6378.3
47.5°	4893.7	5180.6	5693.0	6030.1	6100.2
50°	4510.6	4825.9	5382.0	5734.5	5806.8
52.5°	4127.4	4466.8	5060.2	5425.8	5493.6
55°	3724.5	4109.9	4733.9	5090.8	5152.1
57.5°	3350.1	3757.3	4398.9	4738.3	4775.5
60°	2980.0	3402.6	4057.3	4355.1	4368.2
62.5°	2618.8	3063.2	3707.0	3943.4	3925.9
65°	2272.8	2737.0	3350.1	3516.5	3477.0
67.5°	1939.9	2419.5	2984.4	3091.7	3039.1
70°	1624.7	2110.8	2629.7	2684.5	2636.3
72.5°	1346.6	1817.4	2270.6	2316.6	2281.5
75°	1070.7	1537.1	1939.9	1990.4	1970.6
77.5°	812.4	1265.6	1635.6	1701.3	1705.7
80°	584.6	1018.1	1370.7	1473.6	1486.7
82.5°	385.3	790.4	1149.5	1280.9	1300.6
85°	223.3	589.0	972.2	1105.8	1125.4
87.5°	96.3	424.8	781.7	902.1	926.2
90°	2.8	250.4	583.2	736.1	769.1
92.5°	15.9	216.5	520.2	668.2	701.6
95°	37.0	222.5	515.6	662.0	703.1
97.5°	167.6	305.4	551.1	680.7	717.2
100°	326.7	452.6	591.4	697.3	721.3
102.5°	517.5	588.3	633.8	678.6	688.3
105°	604.4	670.5	735.9	665.2	649.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	491.1	539.3	638.2	678.4	670.4
115°	423.2	456.1	558.3	606.8	607.2
117.5°	367.8	390.0	481.3	527.5	532.3
120°	310.1	331.3	411.0	453.0	460.8
122.5°	259.8	278.1	355.1	393.9	399.6
125°	213.8	231.6	302.9	340.4	346.1
127.5°	182.9	193.7	258.1	297.5	302.2
130°	160.5	167.3	221.1	259.3	265.8
132.5°	144.7	152.8	192.4	228.5	238.1
135°	131.7	139.8	168.8	203.5	213.2
137.5°	122.4	128.6	149.8	181.4	191.1
140°	115.2	120.2	133.9	161.2	170.8
142.5°	110.9	112.8	119.0	145.0	151.5
145°	106.5	106.3	110.3	129.7	136.2
147.5°	101.9	103.8	105.6	114.4	121.9
150°	97.2	101.3	100.0	103.2	109.7
152.5°	93.5	96.7	96.3	94.2	99.5
155°	89.8	93.0	92.6	90.4	93.5
157.5°	65.1	66.1	67.0	67.9	67.9
160°	62.3	63.3	64.2	64.2	65.1
162.5°	60.5	61.4	61.4	62.3	62.3
165°	58.6	58.6	59.6	59.6	59.6
167.5°	56.8	56.8	57.7	57.7	58.6
170°	54.9	55.8	55.8	55.8	56.8
172.5°	54.0	54.0	54.9	54.9	54.9
175°	53.0	53.0	53.0	54.0	54.0
177.5°	52.1	53.0	53.0	53.0	53.0
180°	53.0	53.0	53.0	53.0	53.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	604.4	668.8	758.6	700.9	643.9
110°	558.8	618.2	712.2	726.0	679.3



(END OF REPORT)