

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: P826580

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826580
REPORT IS A COMBINATION OF REPORTS P826283 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-MFL-UNV-L830-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

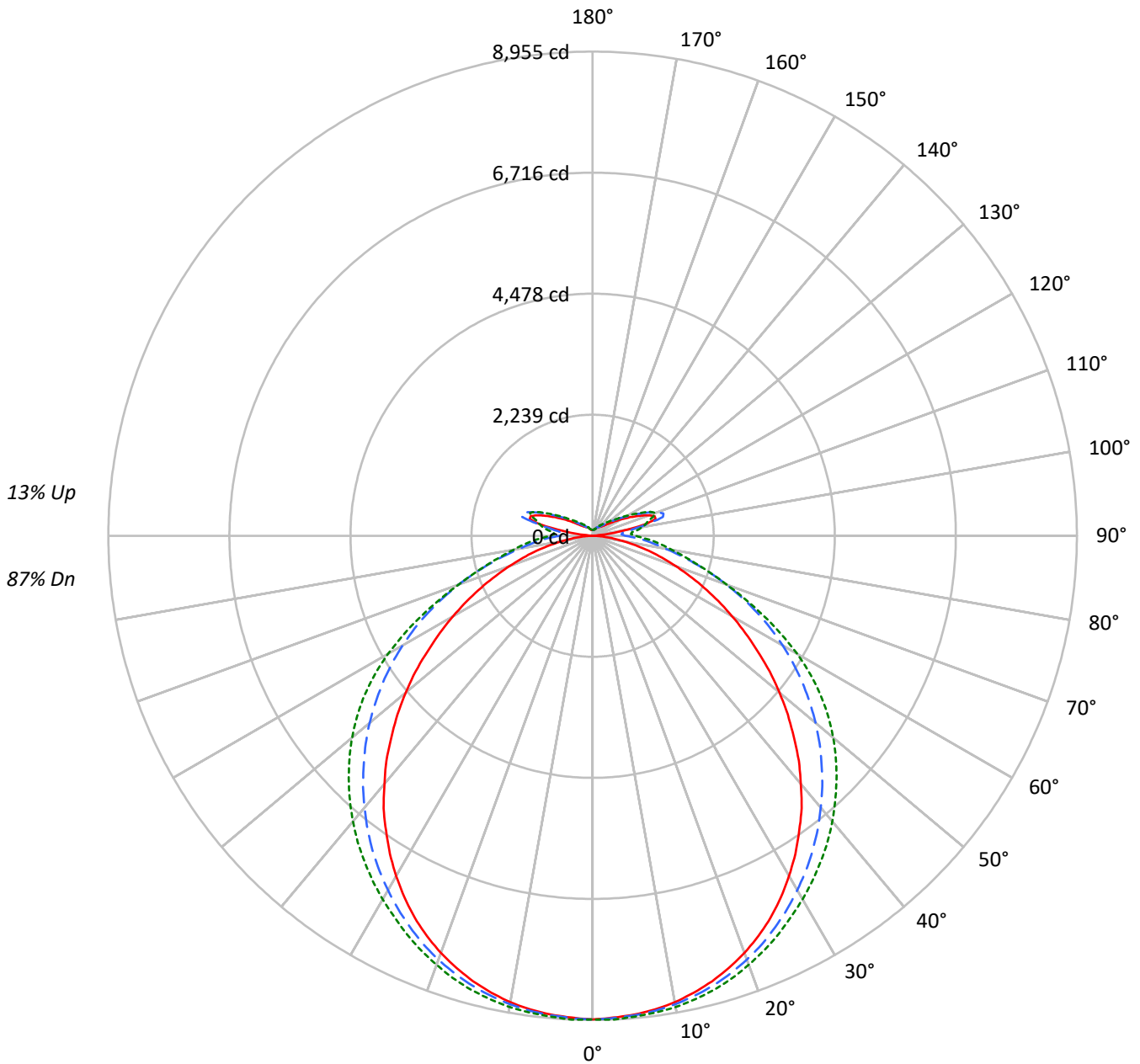
Lumens per Lamp: N/A
Luminaire Lumens: 29626.1 lumens
Efficiency: N/A
Efficacy: 150.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

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				20				
RC	80				70				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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	87			87
1	105	100	96	92	101	97	93	89	90	87	84	84	82	79	79	77	75	72			72
2	96	87	80	75	92	84	78	73	79	74	69	74	70	66	69	66	63	60			60
3	87	77	68	62	84	74	67	61	69	63	58	65	60	55	61	57	53	50			50
4	80	68	59	52	76	66	58	51	62	55	49	58	52	47	54	49	45	43			43
5	73	61	52	45	70	59	50	44	55	48	43	52	46	41	49	44	39	37			37
6	68	54	46	39	65	53	45	39	50	43	37	47	41	36	44	39	35	32			32
7	63	49	41	35	60	48	40	34	45	38	33	43	36	32	40	35	31	29			29
8	58	45	36	31	56	44	36	30	41	34	29	39	33	28	37	32	28	25			25
9	54	41	33	28	52	40	32	27	38	31	26	36	30	26	34	29	25	23			23
10	51	38	30	25	49	37	30	25	35	28	24	33	27	23	32	26	23	21			21

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	2.9
10°-20°	2432.1	8.2
20°-30°	3678.1	12.4
30°-40°	4415.5	14.9
40°-50°	4560.5	15.4
50°-60°	4103.1	13.8
60°-70°	3090.8	10.4
70°-80°	1866.3	6.3
80°-90°	918.8	3.1
90°-100°	604.5	2.0
100°-110°	1215.2	4.1
110°-120°	948.6	3.2
120°-130°	459.7	1.6
130°-140°	233.4	0.8
140°-150°	132.7	0.4
150°-160°	73.8	0.2
160°-170°	34.7	0.1
170°-180°	10.6	0.0
0°-30°	6957.8	23.5
0°-40°	11373.4	38.4
0°-60°	20037.0	67.6
0°-90°	25912.9	87.5
90°-120°	2768.3	9.3
90°-150°	3594.1	12.1
90°-180°	3713.0	12.5
0°-180°	29626.1	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°	6	268	606	758	786	19
95°	64	262	546	695	726	201
105°	1204	1287	1346	1145	1059	1137
115°	838	871	969	1023	1015	840
125°	421	440	517	545	546	393
135°	253	262	294	331	340	199
145°	195	196	202	222	228	123
155°	160	166	165	165	167	72
165°	119	120	121	123	123	34
175°	108	109	109	110	110	10
180°	107	107	107	107	107	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8946.6	8946.6	8946.6	<i>8946.6</i>	8946.6
2.5°	<i>8920.4</i>	<i>8942.3</i>	<i>8929.1</i>	<i>8957.6</i>	<i>8955.4</i>
5°	8889.7	8913.8	8902.8	<i>8937.9</i>	8926.9
7.5°	8837.2	8863.4	8861.2	<i>8900.7</i>	8896.3
10°	8760.5	8789.0	8797.8	<i>8850.3</i>	8850.3
12.5°	8655.5	8692.7	8714.6	<i>8778.0</i>	8780.3
15°	8530.6	8572.2	8611.6	<i>8683.9</i>	8692.7
17.5°	8379.6	8432.1	8486.9	<i>8570.0</i>	8581.0
20°	8208.8	8267.9	8342.3	<i>8429.9</i>	8443.0
22.5°	8011.7	8081.8	8178.1	<i>8281.0</i>	8296.4
25°	7790.5	7875.9	7987.6	<i>8112.4</i>	8132.1
27.5°	7538.7	7637.3	7788.4	<i>7928.5</i>	7946.0
30°	7265.0	7381.1	7569.4	<i>7735.8</i>	7764.3
32.5°	6976.0	7109.6	7341.7	<i>7527.8</i>	7567.2
35°	6660.7	6816.2	7096.4	<i>7311.0</i>	7354.8
37.5°	6349.8	6520.6	6838.1	<i>7083.3</i>	7135.9
40°	5986.4	6198.7	6562.2	<i>6833.7</i>	6897.2
42.5°	5644.8	5874.7	6286.3	<i>6581.9</i>	6643.2
45°	5257.2	5522.1	5984.1	<i>6310.4</i>	6378.3
47.5°	4893.7	5180.6	5693.0	<i>6030.1</i>	6100.2
50°	4510.6	4825.9	5382.0	<i>5734.5</i>	5806.8
52.5°	4127.4	4466.8	5060.2	<i>5425.8</i>	5493.6
55°	3724.5	4109.9	4733.9	<i>5090.8</i>	5152.1
57.5°	3350.1	3757.3	4398.9	<i>4738.3</i>	4775.5
60°	2980.0	3402.6	4057.3	<i>4355.1</i>	4368.2
62.5°	2618.8	3063.2	3707.0	<i>3943.4</i>	3925.9
65°	2272.8	2737.0	3350.1	<i>3516.5</i>	3477.0
67.5°	1939.9	2419.5	2984.4	<i>3091.7</i>	3039.1
70°	1624.7	2110.8	2629.7	<i>2684.5</i>	2636.3
72.5°	1346.6	1817.4	2270.6	<i>2316.6</i>	2281.5
75°	1070.7	1537.1	1939.9	<i>1990.4</i>	1970.6
77.5°	812.4	1265.6	1635.6	<i>1701.3</i>	1705.7
80°	584.6	1018.1	1370.7	<i>1473.6</i>	1486.7
82.5°	385.3	790.4	1149.5	<i>1280.9</i>	1300.6
85°	223.3	589.0	972.2	<i>1105.8</i>	1125.4
87.5°	96.3	424.8	781.7	<i>902.1</i>	926.2
90°	6.5	268.1	606.4	<i>757.5</i>	785.9
92.5°	26.1	237.9	538.8	<i>684.1</i>	710.0
95°	64.0	262.5	546.3	<i>694.6</i>	726.4
97.5°	337.0	453.4	640.4	<i>786.8</i>	842.8
100°	652.4	789.5	816.6	<i>916.9</i>	939.0
102.5°	1021.8	1128.0	1075.8	<i>1019.1</i>	1006.6
105°	1203.7	1287.4	1346.3	<i>1145.3</i>	1058.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	970.4	1019.4	1127.6	1172.5	1158.9
115°	838.2	871.1	968.7	1022.8	1014.8
117.5°	712.1	740.8	830.2	870.9	870.1
120°	602.3	628.1	705.1	743.3	744.6
122.5°	506.4	531.3	608.2	639.6	637.8
125°	421.4	440.1	516.9	545.1	546.1
127.5°	357.8	370.5	435.9	474.3	476.3
130°	310.3	319.9	377.4	416.5	422.1
132.5°	277.8	288.7	330.2	368.0	375.9
135°	252.6	261.7	293.5	331.0	339.7
137.5°	230.3	241.2	263.3	297.7	306.5
140°	216.6	223.5	239.1	267.3	276.9
142.5°	204.9	208.6	217.7	243.6	251.1
145°	195.0	195.6	202.4	221.8	228.4
147.5°	183.8	187.5	191.2	201.8	208.4
150°	175.4	180.4	181.9	185.1	192.5
152.5°	168.0	172.1	172.6	172.3	176.7
155°	160.5	165.5	165.2	164.9	167.0
157.5°	133.1	134.9	136.8	137.7	138.7
160°	128.4	129.3	131.2	132.1	133.1
162.5°	122.8	124.7	125.6	126.6	127.5
165°	119.1	120.0	121.0	122.8	122.8
167.5°	115.4	116.3	117.2	118.2	118.2
170°	112.6	113.5	114.5	114.5	114.5
172.5°	109.8	110.7	111.7	111.7	111.7
175°	107.9	108.9	108.9	109.8	109.8
177.5°	107.0	107.9	107.9	107.9	108.9
180°	107.0	107.0	107.0	107.0	107.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1202.7	1283.0	1372.8	1296.4	1177.1
110°	1104.1	1178.4	1273.4	1287.1	1233.0



(END OF REPORT)