

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: P827567

Luminaire Tested: **OHB-18SE-A-UNV-L930-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827567
REPORT IS A COMBINATION OF REPORTS P826197 AND G3-2310-221-6
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-18SE-A-UNV-L930-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

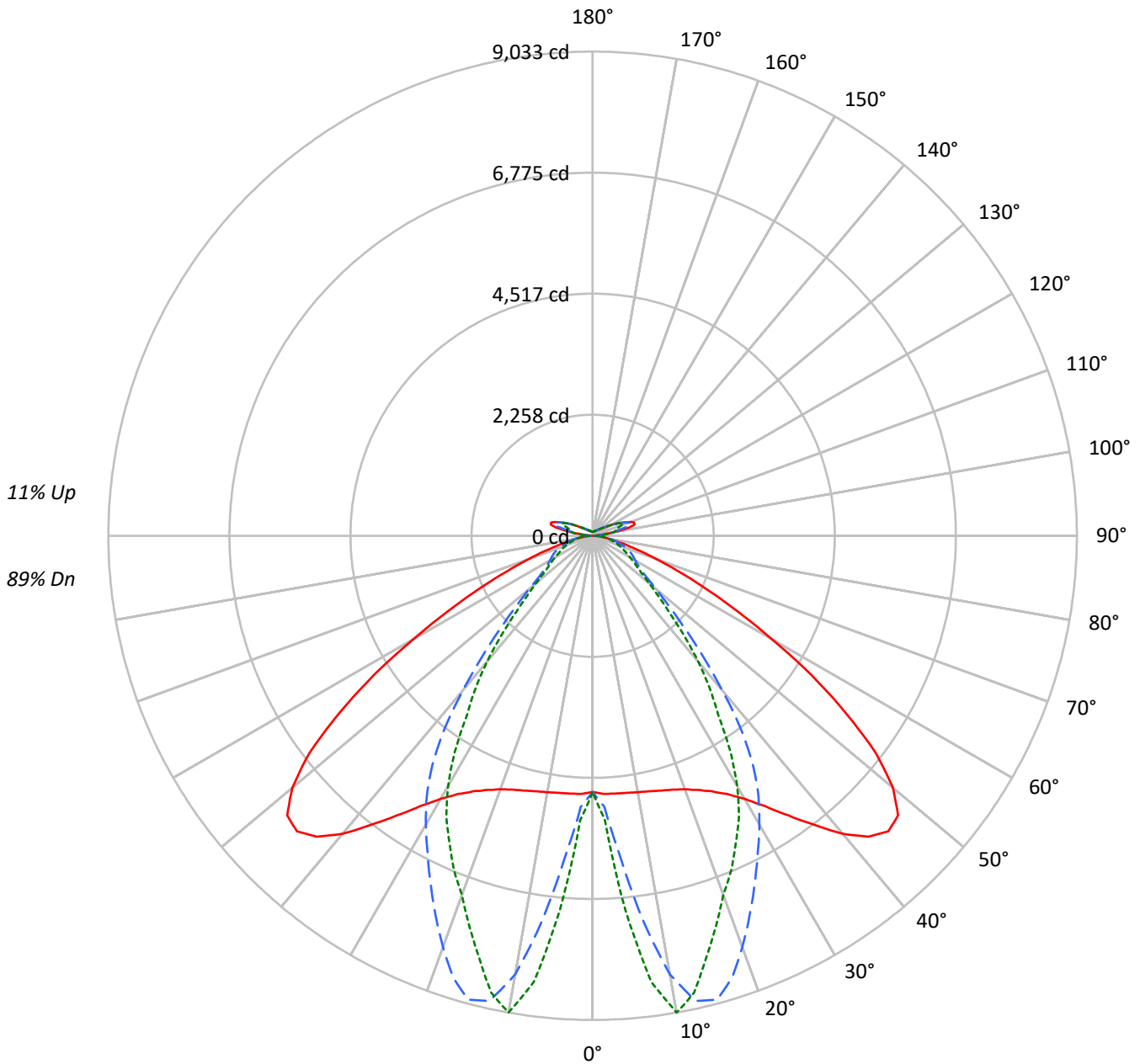
Lumens per Lamp: N/A
Luminaire Lumens: 17295.3 lumens
Efficiency: N/A
Efficacy: 138.4 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 125
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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89																			
1	108	104	100	97	104	101	97	94	94	92	89	89	87	85	83	82	80	78																			
2	100	93	87	82	96	90	85	80	85	80	77	80	76	73	75	73	70	68																			
3	92	83	76	71	89	81	74	69	76	71	67	72	68	64	68	65	62	59																			
4	85	75	67	62	82	73	66	61	69	63	59	66	61	57	62	58	55	52																			
5	79	68	60	54	76	66	59	53	63	57	52	60	55	50	57	52	49	47																			
6	74	62	54	48	71	60	53	48	57	51	46	55	49	45	52	48	44	42																			
7	69	57	49	43	66	55	48	43	53	46	42	50	45	41	48	43	40	38																			
8	64	52	44	39	62	51	44	39	49	42	38	47	41	37	45	40	36	34																			
9	60	48	40	35	58	47	40	35	45	39	34	43	38	34	41	37	33	31																			
10	56	44	37	32	55	44	37	32	42	36	31	40	35	31	39	34	30	28																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15968	15968	15968
5°	16049	20031	23322
10°	16192	27546	30181
15°	16578	29929	27597
20°	17263	27697	24568
25°	18523	24840	22381
30°	20654	22301	19814
35°	24281	19457	15714
40°	29196	14766	12440
45°	33489	10021	8801
50°	33951	6843	6463
55°	29388	5356	5236
60°	21952	4980	4661
65°	15047	4955	4355
70°	9621	4728	4138
75°	5785	4309	3848
80°	3404	3695	3784
85°	1638	3035	3166



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	624.0	3.6
10°-20°	2202.5	12.7
20°-30°	3245.6	18.8
30°-40°	3410.6	19.7
40°-50°	2609.7	15.1
50°-60°	1575.8	9.1
60°-70°	961.6	5.6
70°-80°	524.9	3.0
80°-90°	189.2	1.1
90°-100°	187.4	1.1
100°-110°	650.6	3.8
110°-120°	558.1	3.2
120°-130°	267.8	1.5
130°-140°	134.0	0.8
140°-150°	77.7	0.4
150°-160°	45.3	0.3
160°-170°	23.5	0.1
170°-180°	7.1	0.0
0°-30°	6072.1	35.1
0°-40°	9482.7	54.8
0°-60°	13668.2	79.0
0°-90°	15343.9	88.7
90°-120°	1396.2	8.1
90°-150°	1875.5	10.8
90°-180°	1951.0	11.3
0°-180°	17295.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4780	4780	4780	4780	4780	
5°	4828	5180	6042	6747	7007	462
15°	4922	7666	8960	8361	8164	1400
25°	5260	8897	7153	6476	6316	2458
35°	6371	7125	5211	4340	4086	4042
45°	7798	4066	2400	2112	2024	5892
55°	5767	1379	1093	1013	1010	5096
65°	2312	873	804	688	653	2369
75°	616	543	498	411	394	708
85°	92	168	198	181	164	113
90°	4	28	38	50	56	8
95°	43	90	139	184	209	133
105°	811	802	682	486	446	769
115°	559	565	565	563	559	564
125°	273	288	293	293	290	256
135°	162	165	171	172	174	128
145°	117	120	123	124	124	75
155°	94	95	97	98	98	44
165°	81	82	82	82	82	23
175°	73	74	74	74	74	7
180°	73	73	73	73	73	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4780.0	4780.0	4780.0	4780.0	<i>4780.0</i>
2.5°	4819.2	4868.3	5062.3	5263.5	<i>5312.5</i>
5°	4828.0	5179.7	6042.5	6747.0	<i>7007.3</i>
7.5°	4838.3	5684.2	7257.0	8119.5	<i>8395.6</i>
10°	<i>4857.7</i>	<i>6322.1</i>	<i>8309.3</i>	<i>8928.5</i>	<i>9032.9</i>
12.5°	4881.9	6997.9	8888.4	8865.8	<i>8734.2</i>
15°	4922.1	7666.3	8959.6	8360.8	<i>8164.2</i>
17.5°	4964.3	8231.8	8648.5	7811.0	<i>7639.9</i>
20°	5033.0	8651.6	8164.6	7322.4	<i>7127.8</i>
22.5°	5131.9	8882.4	7657.1	6880.5	<i>6753.5</i>
25°	5259.7	8897.4	7153.0	6476.0	<i>6316.2</i>
27.5°	5430.8	8691.0	6669.9	6079.8	<i>5910.9</i>
30°	5663.7	8295.8	6221.0	5602.0	<i>5392.5</i>
32.5°	5980.0	7726.9	5758.2	5025.2	<i>4790.3</i>
35°	6371.0	7125.1	5211.1	4339.8	<i>4086.0</i>
37.5°	6797.8	6457.0	4547.2	3732.8	<i>3585.0</i>
40°	7257.0	5768.4	3760.3	3164.8	<i>3059.1</i>
42.5°	7615.2	5019.8	3029.3	2630.1	<i>2517.5</i>
45°	7797.9	4065.7	2400.5	2112.3	<i>2023.5</i>
47.5°	7726.8	3156.0	1903.0	1678.3	<i>1651.7</i>
50°	7311.7	2330.3	1523.4	1382.6	<i>1371.5</i>
52.5°	6662.8	1736.9	1258.3	1171.2	<i>1152.2</i>
55°	5766.8	1378.7	1092.7	1012.8	<i>1009.7</i>
57.5°	4841.8	1171.2	991.9	930.0	<i>908.5</i>
60°	3854.9	1044.4	915.4	845.5	<i>801.9</i>
62.5°	3021.7	955.6	859.3	764.4	<i>723.5</i>
65°	2311.9	872.8	803.9	687.9	<i>652.8</i>
67.5°	1723.4	793.9	736.3	607.5	<i>587.0</i>
70°	1255.7	712.9	659.2	540.3	<i>524.1</i>
72.5°	894.9	632.1	582.2	477.2	<i>459.4</i>
75°	615.5	542.8	497.9	410.8	<i>394.1</i>
77.5°	415.2	451.5	414.8	350.7	<i>343.8</i>
80°	277.3	358.1	335.5	297.2	<i>292.9</i>
82.5°	168.3	259.9	264.8	241.7	<i>230.0</i>
85°	91.6	168.3	198.4	180.8	<i>164.0</i>
87.5°	35.9	93.3	136.7	122.8	<i>115.6</i>
90°	4.0	27.5	38.0	50.1	<i>55.8</i>
92.5°	13.7	36.4	58.2	82.4	<i>93.0</i>
95°	42.8	89.7	139.0	184.3	<i>208.6</i>
97.5°	217.4	235.2	253.0	306.4	<i>333.0</i>
100°	446.2	473.7	382.3	404.2	<i>411.4</i>
102.5°	689.5	685.5	499.6	447.8	<i>441.4</i>
105°	810.8	801.9	682.2	485.8	<i>446.2</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	653.1	662.8	649.9	631.3	605.4
115°	559.4	565.0	565.0	563.4	558.6
117.5°	478.5	479.3	482.6	481.8	482.6
120°	396.1	405.0	412.2	408.2	403.4
122.5°	332.2	341.9	346.8	345.2	340.3
125°	273.2	287.8	293.4	292.6	290.2
127.5°	231.2	241.7	249.8	250.6	249.8
130°	201.3	207.7	215.8	216.6	217.4
132.5°	178.6	184.3	190.0	193.2	192.4
135°	161.7	164.9	170.6	172.2	173.8
137.5°	147.9	150.4	155.2	157.6	157.6
140°	135.8	139.0	143.1	144.7	145.5
142.5°	125.3	128.5	131.8	133.4	133.4
145°	117.2	120.4	122.9	123.7	124.5
147.5°	109.9	113.2	114.8	116.4	116.4
150°	104.3	105.9	108.3	109.1	109.9
152.5°	98.6	100.2	102.7	103.5	103.5
155°	93.8	95.4	97.0	97.8	97.8
157.5°	89.7	91.3	93.0	93.8	93.8
160°	86.5	87.3	88.9	89.7	89.7
162.5°	83.3	84.1	84.9	85.7	85.7
165°	80.8	81.6	82.4	82.4	82.4
167.5°	78.4	78.4	79.2	80.0	80.0
170°	76.0	76.8	76.8	77.6	77.6
172.5°	74.4	75.2	75.2	75.2	76.0
175°	72.8	73.6	73.6	74.4	74.4
177.5°	72.8	72.8	72.8	72.8	72.8
180°	72.8	72.8	72.8	72.8	72.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	814.0	817.2	754.2	589.3	490.7
110°	750.9	758.2	721.8	659.6	580.4



(END OF REPORT)