

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: P827822

Luminaire Tested: **OHBL-48SE-W-UNV-L930-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827822
REPORT IS A COMBINATION OF REPORTS P826262 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: OHBL-48SE-W-UNV-L930-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

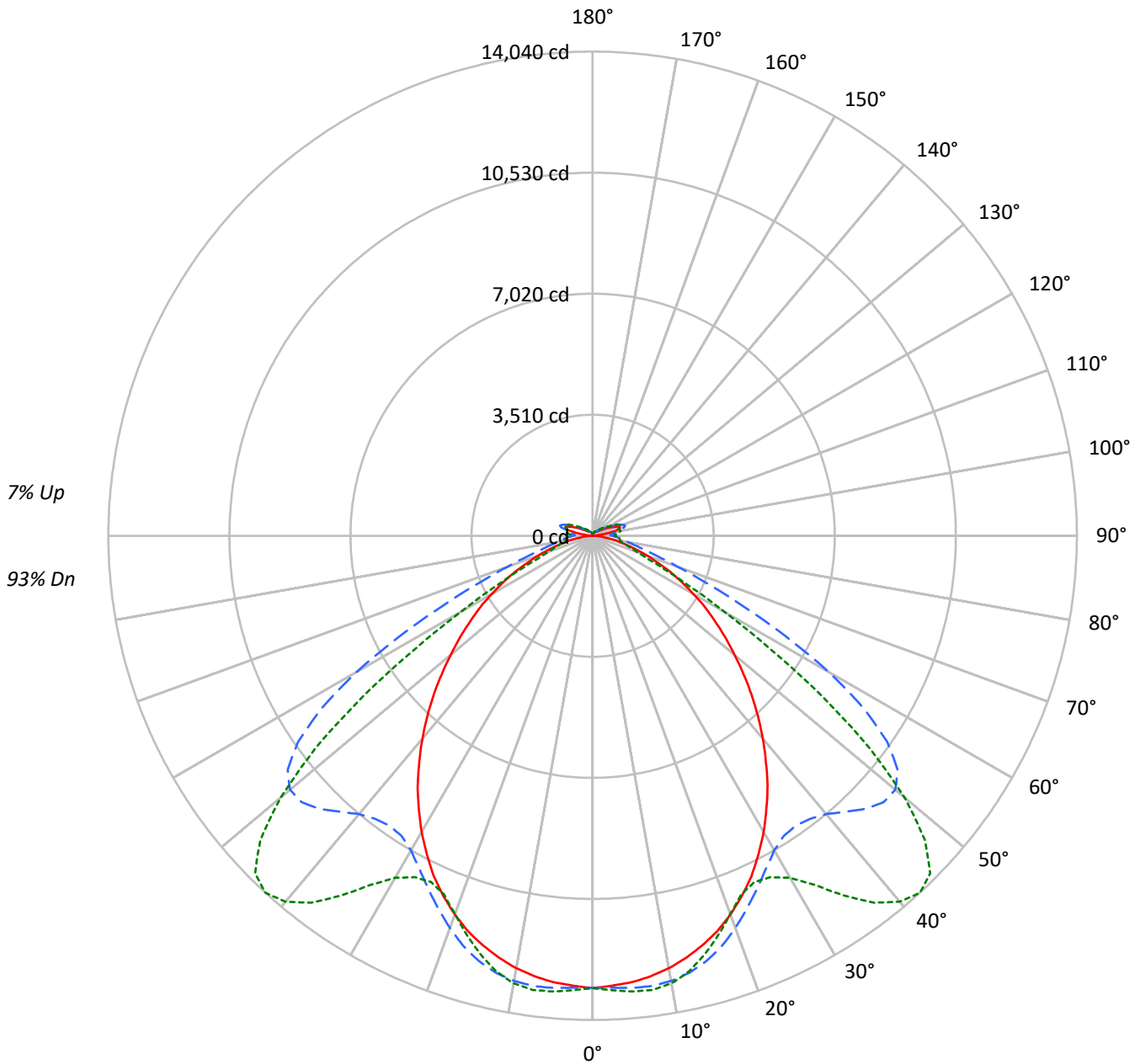
Lumens per Lamp: N/A
Luminaire Lumens: 41224.4 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 306.2
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	114	114	114	114	107	107	107	101	101	101	96	96	96	93																			
1	108	103	99	95	104	100	96	93	95	92	89	90	87	85	85	83	81	79																			
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	66																			
3	90	79	71	65	87	77	70	64	73	67	62	70	65	60	66	62	58	56																			
4	82	70	62	55	79	68	60	54	65	58	53	62	56	51	59	54	50	48																			
5	75	63	54	47	73	61	53	47	58	51	46	56	49	44	53	48	43	41																			
6	69	56	47	41	67	55	47	41	52	45	40	50	44	39	48	42	38	36																			
7	64	51	42	36	62	50	41	36	47	40	35	45	39	34	44	38	33	31																			
8	60	46	38	32	58	45	37	32	43	36	31	41	35	30	40	34	30	28																			
9	55	42	34	28	54	41	34	28	40	33	28	38	32	27	37	31	27	25																			
10	52	39	31	26	50	38	31	25	37	30	25	35	29	25	34	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22400	22400	22400
5°	22084	22369	22655
10°	21700	22334	22682
15°	21172	21965	21955
20°	20489	21210	20880
25°	19615	20296	20461
30°	18491	19616	22018
35°	17230	19979	25765
40°	15790	21637	29786
45°	14296	24544	32017
50°	12750	27139	29794
55°	11295	27104	22765
60°	9820	22930	13919
65°	8277	15832	8431
70°	6562	10234	6087
75°	4814	7332	5644
80°	3250	6438	6367
85°	1940	7069	10065



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1253.3	3.0
10°-20°	3548.9	8.6
20°-30°	5193.2	12.6
30°-40°	6744.4	16.4
40°-50°	8235.8	20.0
50°-60°	7252.9	17.6
60°-70°	3779.5	9.2
70°-80°	1620.8	3.9
80°-90°	783.4	1.9
90°-100°	553.1	1.3
100°-110°	877.9	2.1
110°-120°	692.5	1.7
120°-130°	340.8	0.8
130°-140°	170.6	0.4
140°-150°	95.3	0.2
150°-160°	51.4	0.1
160°-170°	23.5	0.1
170°-180°	7.1	0.0
0°-30°	9995.3	24.2
0°-40°	16739.7	40.6
0°-60°	32228.4	78.2
0°-90°	38412.1	93.2
90°-120°	2123.5	5.2
90°-150°	2730.2	6.6
90°-180°	2812.0	6.8
0°-180°	41224.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13115	13115	13115	13115	13115	
5°	12993	13092	13163	13279	13265	###
15°	12294	12639	12761	12665	12563	3462
25°	10894	11476	11281	11069	11080	4999
35°	8842	9776	10266	11972	12738	5511
45°	6511	8191	11196	13556	13839	5020
55°	4335	7176	10427	9142	8126	3890
65°	2487	4972	4773	2654	2283	2461
75°	1002	2326	1534	1050	996	1092
85°	212	829	781	764	772	237
90°	7	327	553	639	658	18
95°	48	265	549	665	704	137
105°	822	901	948	806	772	781
115°	576	622	729	764	765	582
125°	293	316	390	417	418	273
135°	179	182	216	249	253	141
145°	140	137	143	160	167	88
155°	116	118	114	115	115	51
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°	13114.8	13114.8	13114.8	13114.8	<i>13114.8</i>
2.5°	13058.2	13114.8	13117.6	13196.8	<i>13188.4</i>
5°	12993.2	13092.2	13162.9	13278.9	<i>13264.8</i>
7.5°	12885.6	13041.2	13165.7	13293.0	<i>13281.7</i>
10°	12732.8	12945.1	13109.1	13213.8	<i>13179.9</i>
12.5°	12534.7	12814.9	12976.2	12998.8	<i>12933.7</i>
15°	12294.3	12639.4	12761.1	12664.9	<i>12563.0</i>
17.5°	12022.6	12427.2	12469.7	12260.3	<i>12132.9</i>
20°	11683.1	12144.3	12101.8	11813.2	<i>11671.8</i>
22.5°	11306.7	11833.0	11697.2	11394.4	<i>11258.6</i>
25°	10893.7	11476.5	11281.3	11069.1	<i>11080.4</i>
27.5°	10409.8	11071.9	10882.3	10978.5	<i>11159.6</i>
30°	9917.4	10647.4	10531.5	11091.7	<i>11448.2</i>
32.5°	9377.0	10211.8	10316.4	11422.7	<i>12005.6</i>
35°	8842.2	9776.0	10265.5	11971.7	<i>12738.4</i>
37.5°	8250.9	9334.6	10347.6	12605.5	<i>13409.0</i>
40°	7676.5	8904.5	10534.3	13174.2	<i>13853.3</i>
42.5°	<i>7090.8</i>	<i>8519.7</i>	<i>10848.4</i>	<i>13511.0</i>	<i>14040.0</i>
45°	6510.7	8191.4	11196.4	13556.2	<i>13839.2</i>
47.5°	5930.7	7914.1	11436.9	13196.8	<i>13066.7</i>
50°	5370.4	7668.0	11453.8	12333.9	<i>11801.9</i>
52.5°	4846.9	7441.6	11142.6	10958.7	<i>10132.5</i>
55°	4334.8	7175.7	10426.8	9142.2	<i>8126.3</i>
57.5°	3868.0	6807.8	9323.2	7189.8	<i>6080.6</i>
60°	3372.8	6309.8	7897.2	5260.1	<i>4385.8</i>
62.5°	2917.2	5690.2	6298.5	3661.4	<i>3152.1</i>
65°	2487.2	4971.5	4773.4	2654.1	<i>2283.4</i>
67.5°	2031.6	4227.3	3522.7	1935.4	<i>1697.7</i>
70°	1675.1	3536.9	2623.0	1505.3	<i>1366.6</i>
72.5°	1310.1	2880.4	1960.9	1222.4	<i>1146.0</i>
75°	1001.7	2325.9	1533.6	1049.8	<i>996.0</i>
77.5°	738.5	1839.2	1233.7	928.0	<i>877.1</i>
80°	517.8	1448.7	1032.8	829.0	<i>809.2</i>
82.5°	348.1	1120.5	880.0	789.4	<i>792.2</i>
85°	212.2	829.0	780.9	764.0	<i>772.4</i>
87.5°	101.9	588.5	670.6	696.1	<i>704.5</i>
90°	6.9	327.4	553.0	638.7	<i>658.5</i>
92.5°	13.7	265.5	510.9	608.8	<i>633.4</i>
95°	48.5	265.1	549.3	665.3	<i>703.7</i>
97.5°	223.1	379.5	620.9	747.8	<i>783.0</i>
100°	454.7	598.2	710.6	803.2	<i>818.9</i>
102.5°	698.0	795.8	793.8	804.4	<i>803.6</i>
105°	822.1	900.9	948.2	805.5	<i>771.6</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	670.1	730.7	836.6	857.6	837.4
115°	576.3	621.6	729.1	764.3	765.1
117.5°	498.3	530.3	626.9	660.0	663.6
120°	415.9	447.4	536.7	566.6	564.6
122.5°	352.0	375.9	457.1	486.6	484.6
125°	293.0	316.1	389.6	417.1	417.5
127.5°	248.2	261.5	331.8	360.9	362.9
130°	218.2	224.7	283.7	312.8	319.3
132.5°	195.6	201.3	246.5	278.1	282.9
135°	178.6	181.9	215.8	248.6	253.0
137.5°	164.9	167.3	192.0	222.7	228.4
140°	152.8	156.0	171.4	201.3	204.9
142.5°	145.1	145.5	157.2	181.5	184.3
145°	139.8	137.4	142.7	160.5	166.9
147.5°	132.6	133.0	134.6	147.5	150.4
150°	126.9	128.5	125.3	131.8	138.2
152.5°	121.2	122.9	119.6	120.4	126.1
155°	116.4	118.0	114.0	114.8	114.8
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°	828.1	904.9	991.8	875.0	782.1
110°	765.1	834.6	931.2	914.2	840.7



(END OF REPORT)