

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: P828117

Luminaire Tested: **OHBL-48SE-A-UNV-L935-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828117
REPORT IS A COMBINATION OF REPORTS P826257 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-A-UNV-L935-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

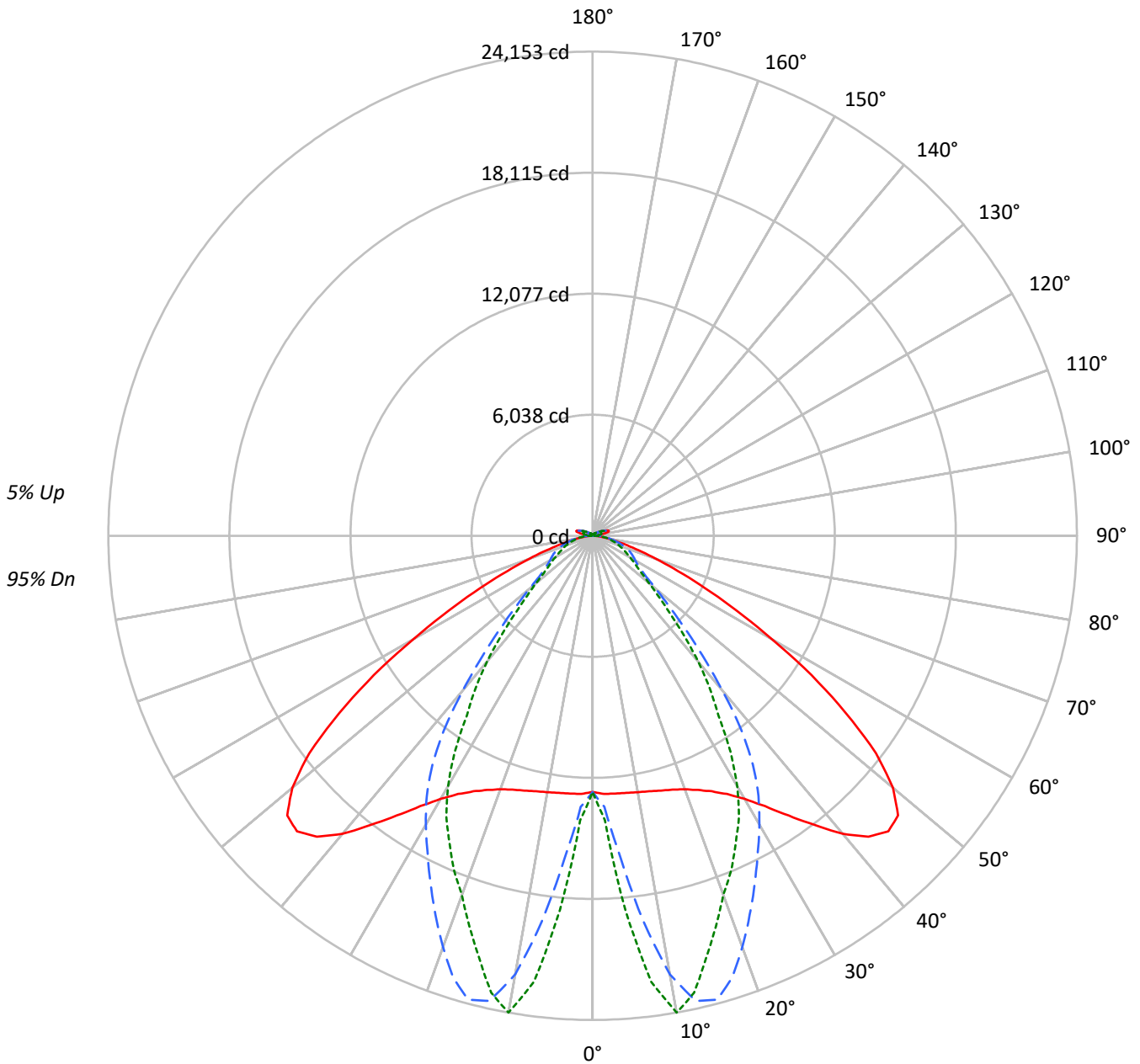
Lumens per Lamp: N/A
Luminaire Lumens: 43031.1 lumens
Efficiency: N/A
Efficacy: 140.5 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	95																			
1	109	105	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86	83																			
2	101	94	89	84	98	92	87	82	88	84	80	84	80	77	80	78	75	73																			
3	94	85	78	72	91	83	76	71	79	74	69	76	71	68	73	69	66	64																			
4	87	76	69	63	84	75	68	62	72	66	61	69	64	60	66	62	58	56																			
5	81	69	61	56	78	68	61	55	65	59	54	63	57	53	61	56	52	50																			
6	75	63	55	49	73	62	55	49	60	53	48	58	52	48	56	51	47	45																			
7	70	58	50	44	68	57	49	44	55	48	44	53	47	43	52	46	42	40																			
8	65	53	45	40	64	52	45	40	51	44	39	49	43	39	48	42	38	37																			
9	61	49	42	37	60	48	41	36	47	40	36	46	40	36	44	39	35	33																			
10	58	46	38	33	56	45	38	33	44	37	33	42	37	33	41	36	32	31																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21830	21830	21830
5°	21941	27456	32001
10°	22137	37853	41566
15°	22664	41236	38150
20°	23601	38261	34094
25°	25323	34409	31186
30°	28236	30983	27731
35°	33195	27118	22098
40°	39914	20652	17587
45°	45784	14070	12517
50°	46416	9651	9258
55°	40177	7595	7563
60°	30012	7107	6805
65°	20571	7130	6445
70°	13152	6877	6242
75°	7909	6364	5972
80°	4654	5593	6163
85°	2240	4803	5714



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1668.6	3.9
10°-20°	5889.2	13.7
20°-30°	8678.1	20.2
30°-40°	9119.4	21.2
40°-50°	6978.0	16.2
50°-60°	4213.6	9.8
60°-70°	2571.3	6.0
70°-80°	1403.4	3.3
80°-90°	497.7	1.2
90°-100°	193.2	0.4
100°-110°	670.8	1.6
110°-120°	575.4	1.3
120°-130°	276.0	0.6
130°-140°	138.1	0.3
140°-150°	80.1	0.2
150°-160°	46.7	0.1
160°-170°	24.2	0.1
170°-180°	7.4	0.0
0°-30°	16235.9	37.7
0°-40°	25355.3	58.9
0°-60°	36546.9	84.9
0°-90°	41019.3	95.3
90°-120°	1439.3	3.3
90°-150°	1933.5	4.5
90°-180°	2012.0	4.7
0°-180°	43031.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12781	12781	12781	12781	12781	
5°	12909	13850	16157	18040	18736	###
15°	13161	20499	23957	22356	21830	3742
25°	14064	23790	19126	17316	16888	6573
35°	17035	19052	13934	11604	10925	10807
45°	20850	10871	6418	5648	5411	15754
55°	15420	3686	2922	2708	2700	13626
65°	6182	2334	2150	1839	1746	6334
75°	1646	1451	1331	1098	1054	1894
85°	245	450	530	483	438	303
90°	4	28	39	52	58	16
95°	44	92	143	190	215	137
105°	836	827	703	501	460	793
115°	577	582	582	581	576	582
125°	282	297	302	302	299	264
135°	167	170	176	178	179	132
145°	121	124	127	128	128	77
155°	97	98	100	101	101	45
165°	83	84	85	85	85	24
175°	75	76	76	77	77	7
180°	75	75	75	75	75	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12781.2	12781.2	12781.2	12781.2	12781.2
2.5°	12885.8	13017.3	13535.8	14074.0	14205.0
5°	12909.4	13849.9	16156.8	18040.5	18736.5
7.5°	12936.8	15198.7	19404.1	21710.4	22448.7
10°	12988.8	16904.3	22217.9	23873.7	24152.6
12.5°	13053.5	18711.3	23766.2	23705.9	23354.1
15°	13160.9	20498.6	23956.9	22355.5	21829.8
17.5°	13273.8	22010.8	23125.0	20885.5	20427.9
20°	13457.4	23133.2	21830.9	19578.9	19058.8
22.5°	13722.2	23750.3	20473.9	18397.2	18058.0
25°	14063.7	23790.3	19126.2	17315.9	16888.4
27.5°	14521.2	23238.4	17834.4	16256.5	15804.8
30°	15143.9	22181.8	16634.1	14978.9	14418.8
32.5°	15989.6	20660.8	15396.6	13436.7	12808.5
35°	17035.3	19051.7	13933.8	11603.8	10925.3
37.5°	18176.4	17264.9	12158.5	9981.0	9585.8
40°	19404.1	15423.9	10054.4	8462.3	8179.5
42.5°	20362.1	13422.4	8100.0	7032.3	6731.5
45°	20850.4	10871.1	6418.5	5647.9	5410.6
47.5°	20660.2	8438.8	5088.3	4487.7	4416.4
50°	19550.4	6231.1	4073.3	3696.8	3667.2
52.5°	17815.2	4644.4	3364.7	3131.7	3080.8
55°	15419.6	3686.3	2921.8	2708.1	2699.8
57.5°	12946.1	3131.7	2652.2	2486.6	2429.1
60°	10307.7	2792.4	2447.7	2260.8	2144.1
62.5°	8079.8	2555.2	2297.5	2043.8	1934.7
65°	6181.8	2333.7	2149.6	1839.3	1745.6
67.5°	4608.2	2122.7	1968.7	1624.5	1569.7
70°	3357.5	1906.2	1762.6	1444.8	1401.4
72.5°	2392.9	1690.2	1556.5	1275.9	1228.3
75°	1645.8	1451.3	1331.2	1098.3	1053.9
77.5°	1110.4	1207.4	1109.3	937.8	919.1
80°	741.6	957.5	897.2	794.8	783.2
82.5°	450.0	695.0	708.1	646.2	614.9
85°	245.0	450.0	530.5	483.4	438.5
87.5°	95.9	249.3	365.6	328.3	309.1
90°	4.2	28.3	39.2	51.7	57.5
92.5°	14.2	37.5	60.0	85.0	95.8
95°	44.2	92.5	143.3	190.0	215.0
97.5°	224.2	242.5	260.8	315.8	343.3
100°	460.0	488.3	394.2	416.7	424.2
102.5°	710.8	706.7	515.0	461.7	455.0
105°	835.8	826.7	703.3	500.8	460.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	673.3	683.3	670.0	650.8	624.2
115°	576.7	582.5	582.5	580.8	575.8
117.5°	493.3	494.2	497.5	496.7	497.5
120°	408.3	417.5	425.0	420.8	415.8
122.5°	342.5	352.5	357.5	355.8	350.8
125°	281.7	296.7	302.5	301.7	299.2
127.5°	238.3	249.2	257.5	258.3	257.5
130°	207.5	214.2	222.5	223.3	224.2
132.5°	184.2	190.0	195.8	199.2	198.3
135°	166.7	170.0	175.8	177.5	179.2
137.5°	152.5	155.0	160.0	162.5	162.5
140°	140.0	143.3	147.5	149.2	150.0
142.5°	129.2	132.5	135.8	137.5	137.5
145°	120.8	124.2	126.7	127.5	128.3
147.5°	113.3	116.7	118.3	120.0	120.0
150°	107.5	109.2	111.7	112.5	113.3
152.5°	101.7	103.3	105.8	106.7	106.7
155°	96.7	98.3	100.0	100.8	100.8
157.5°	92.5	94.2	95.8	96.7	96.7
160°	89.2	90.0	91.7	92.5	92.5
162.5°	85.8	86.7	87.5	88.3	88.3
165°	83.3	84.2	85.0	85.0	85.0
167.5°	80.8	80.8	81.7	82.5	82.5
170°	78.3	79.2	79.2	80.0	80.0
172.5°	76.7	77.5	77.5	77.5	78.3
175°	75.0	75.8	75.8	76.7	76.7
177.5°	75.0	75.0	75.0	75.0	75.0
180°	75.0	75.0	75.0	75.0	75.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	839.2	842.5	777.5	607.5	505.8
110°	774.2	781.7	744.2	680.0	598.3



(END OF REPORT)