

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: P828011

Luminaire Tested: **OHBL-18SE-A-UNV-L935-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828011
REPORT IS A COMBINATION OF REPORTS P826233 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-18SE-A-UNV-L935-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

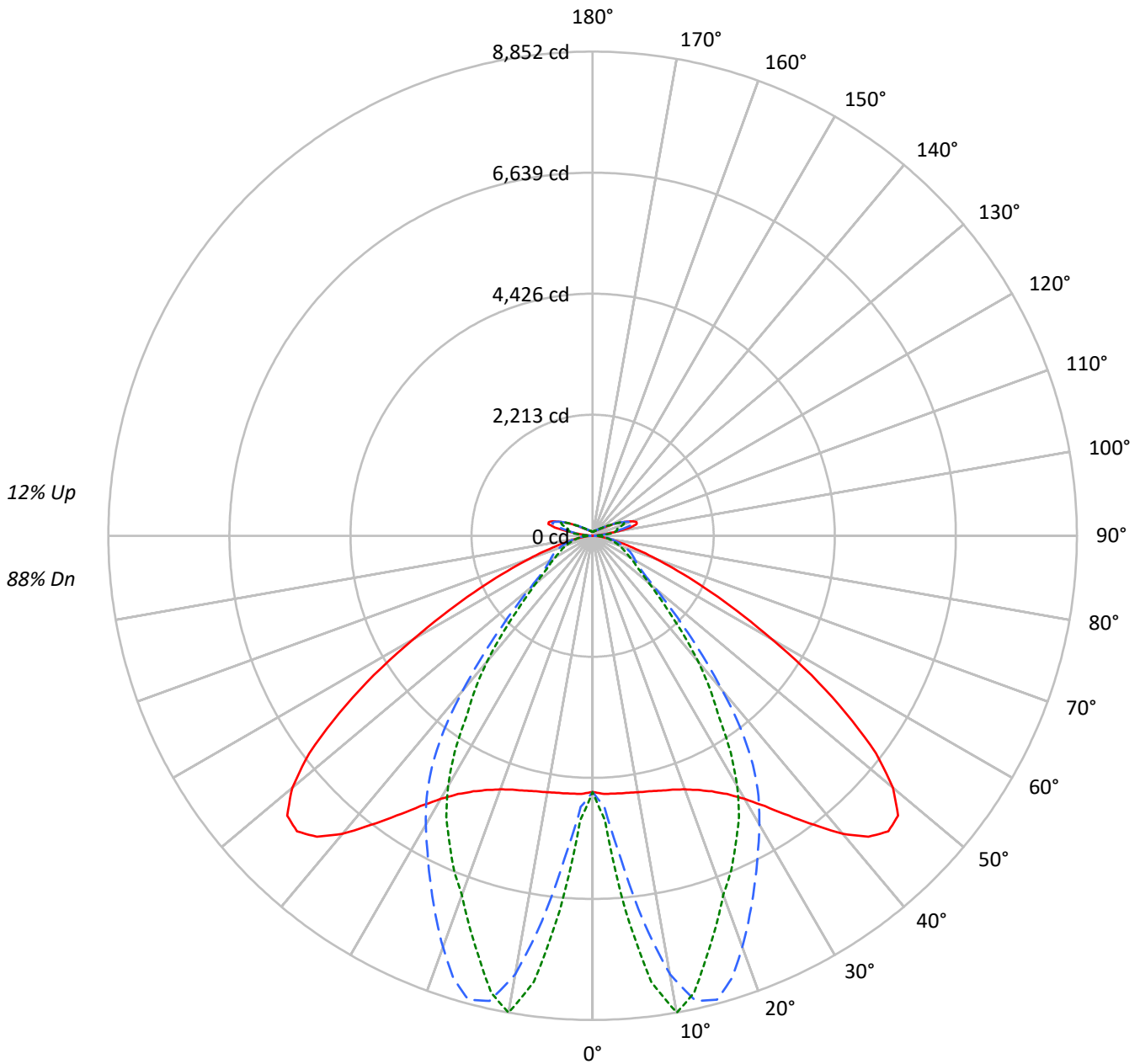
Lumens per Lamp: N/A
Luminaire Lumens: 17049.4 lumens
Efficiency: N/A
Efficacy: 139.3 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 122.4
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	91	91	91	88				88															
1	108	104	100	97	104	100	97	94	94	92	89	88	86	84	83	81	80	77				77															
2	100	93	87	82	96	90	85	80	84	80	77	80	76	73	75	72	70	67				67															
3	92	83	76	71	89	81	74	69	76	71	66	72	68	64	68	64	61	59				59															
4	85	75	67	61	82	73	66	60	69	63	58	65	60	56	62	58	54	52				52															
5	79	68	60	54	76	66	59	53	63	56	52	60	54	50	57	52	49	46				46															
6	73	62	54	48	71	60	53	47	57	51	46	55	49	45	52	47	44	42				42															
7	68	56	49	43	66	55	48	43	53	46	42	50	45	40	48	43	39	37				37															
8	64	52	44	39	62	51	43	38	48	42	38	46	41	37	44	40	36	34				34															
9	60	48	40	35	58	47	40	35	45	39	34	43	37	33	41	36	33	31				31															
10	56	44	37	32	55	43	37	32	42	36	31	40	35	31	38	34	30	28				28															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8001	8001	8001
5°	8042	10063	11729
10°	8114	13874	15235
15°	8307	15114	13983
20°	8650	14023	12496
25°	9281	12612	11430
30°	10349	11356	10164
35°	12167	9939	8099
40°	14629	7569	6446
45°	16781	5157	4588
50°	17012	3537	3393
55°	14726	2784	2772
60°	11000	2605	2494
65°	7540	2613	2362
70°	4821	2520	2288
75°	2899	2333	2189
80°	1706	2050	2259
85°	821	1760	2094



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	611.6	3.6
10°-20°	2158.5	12.7
20°-30°	3180.7	18.7
30°-40°	3342.4	19.6
40°-50°	2557.6	15.0
50°-60°	1544.4	9.1
60°-70°	942.4	5.5
70°-80°	514.4	3.0
80°-90°	185.7	1.1
90°-100°	193.2	1.1
100°-110°	670.8	3.9
110°-120°	575.4	3.4
120°-130°	276.0	1.6
130°-140°	138.1	0.8
140°-150°	80.1	0.5
150°-160°	46.7	0.3
160°-170°	24.2	0.1
170°-180°	7.4	0.0
0°-30°	5950.8	34.9
0°-40°	9293.2	54.5
0°-60°	13395.2	78.6
0°-90°	15037.7	88.2
90°-120°	1439.3	8.4
90°-150°	1933.5	11.3
90°-180°	2012.0	11.8
0°-180°	17049.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4684	4684	4684	4684	4684	
5°	4732	5076	5922	6612	6867	452
15°	4824	7513	8781	8194	8001	1372
25°	5155	8720	7010	6347	6190	2409
35°	6244	6983	5107	4253	4004	3961
45°	7642	3984	2352	2070	1983	5774
55°	5652	1351	1071	993	990	4994
65°	2266	855	788	674	640	2322
75°	603	532	488	403	386	694
85°	90	165	194	177	161	111
90°	4	28	39	52	58	8
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°	4684.5	4684.5	4684.5	4684.5	4684.5
2.5°	4722.9	4771.1	4961.2	5158.4	5206.4
5°	4731.5	5076.2	5921.8	6612.2	6867.3
7.5°	4741.6	5570.6	7112.0	7957.3	8227.8
10°	4760.7	6195.8	8143.3	8750.2	8852.4
12.5°	4784.3	6858.1	8710.8	8688.7	8559.8
15°	4823.8	7513.2	8780.7	8193.8	8001.1
17.5°	4865.2	8067.3	8475.8	7654.9	7487.3
20°	4932.4	8478.8	8001.5	7176.1	6985.4
22.5°	5029.4	8705.0	7504.1	6743.0	6618.6
25°	5154.6	8719.6	7010.2	6346.6	6189.9
27.5°	5322.3	8517.3	6536.7	5958.3	5792.8
30°	5550.5	8130.0	6096.8	5490.1	5284.8
32.5°	5860.5	7572.6	5643.2	4924.8	4694.6
35°	6243.8	6982.8	5107.0	4253.1	4004.3
37.5°	6662.0	6327.9	4456.3	3658.2	3513.4
40°	7112.0	5653.2	3685.2	3101.6	2997.9
42.5°	7463.1	4919.6	2968.8	2577.5	2467.2
45°	7642.1	3984.5	2352.5	2070.1	1983.1
47.5°	7572.4	3093.0	1865.0	1644.8	1618.7
50°	7165.6	2283.8	1492.9	1354.9	1344.1
52.5°	6529.6	1702.2	1233.2	1147.8	1129.2
55°	5651.6	1351.1	1070.9	992.6	989.5
57.5°	4745.0	1147.8	972.1	911.4	890.3
60°	3778.0	1023.5	897.2	828.7	785.8
62.5°	2961.4	936.5	842.1	749.1	709.1
65°	2265.8	855.3	787.8	674.2	639.8
67.5°	1689.0	778.0	721.6	595.4	575.3
70°	1230.6	698.7	646.0	529.5	513.7
72.5°	877.1	619.5	570.5	467.7	450.2
75°	603.2	531.9	487.9	402.6	386.3
77.5°	407.0	442.5	406.6	343.7	336.9
80°	271.8	350.9	328.8	291.2	287.1
82.5°	164.9	254.8	259.5	236.8	225.4
85°	89.8	164.9	194.4	177.2	160.7
87.5°	35.2	91.4	134.0	120.3	113.3
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)