

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: P827718

Luminaire Tested: **OHBL-18SE-N-UNV-L930-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827718
REPORT IS A COMBINATION OF REPORTS P826068 AND G3-2310-221-12
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-18SE-N-UNV-L930-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

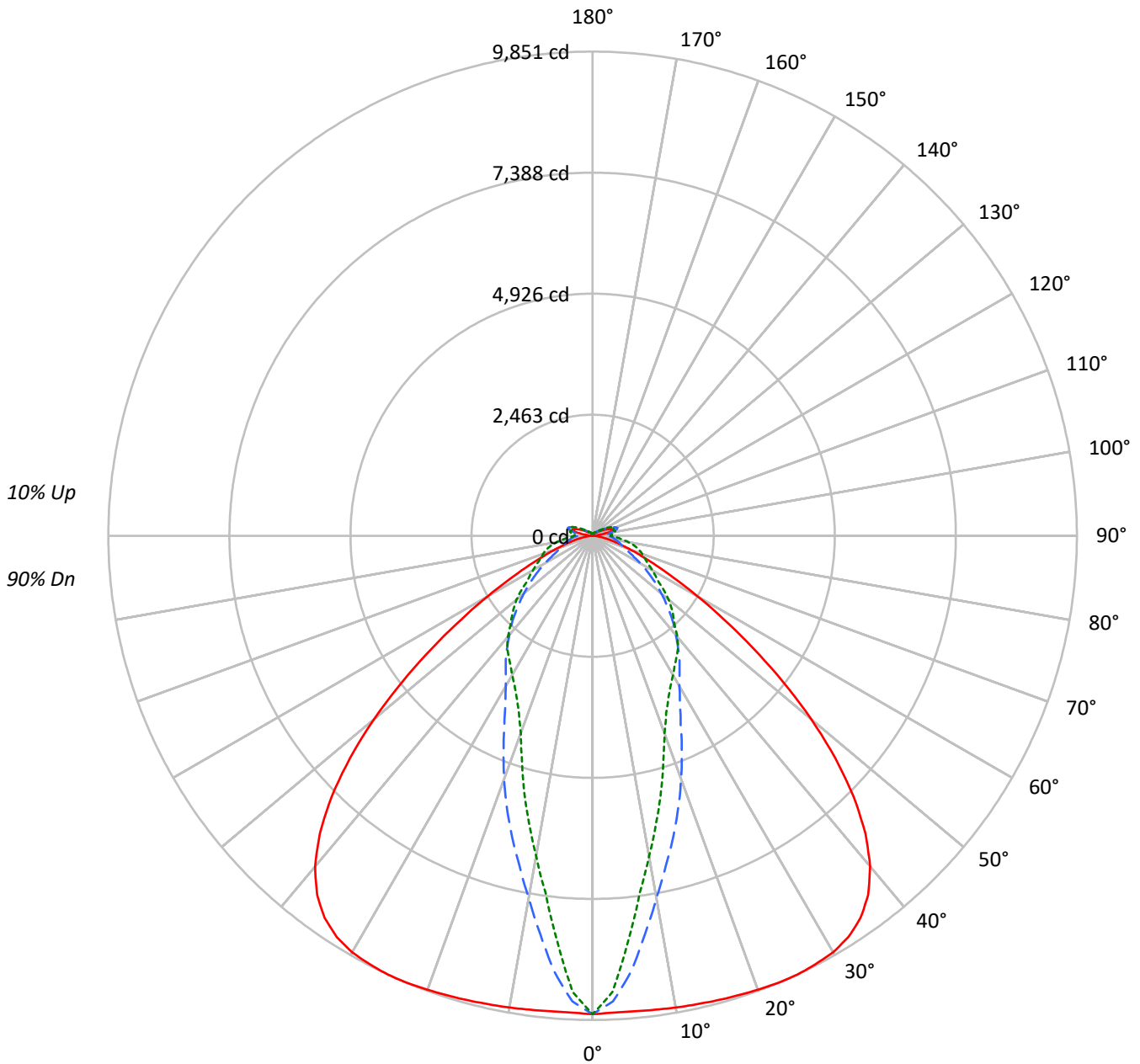
Lumens per Lamp: N/A
Luminaire Lumens: 15369.1 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 113.4
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				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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	93	93	93	90
1	107	103	99	95	104	100	96	93	94	91	88	88	86	84	83	81	80	80	80	80	77
2	99	91	85	80	95	89	83	78	83	79	75	79	75	72	75	72	69	69	69	69	66
3	91	81	74	68	88	79	72	67	75	69	65	71	66	62	67	63	60	60	60	60	58
4	84	73	65	59	81	71	64	58	68	61	56	64	59	55	61	57	53	53	53	53	51
5	78	66	58	52	75	65	57	51	61	55	50	59	53	49	56	51	47	47	47	47	45
6	73	60	52	46	70	59	51	46	56	50	45	54	48	44	51	46	42	42	42	42	40
7	68	55	47	42	65	54	47	41	52	45	40	49	44	39	47	42	38	38	38	38	36
8	63	51	43	38	61	50	42	37	48	41	37	46	40	36	44	39	35	35	35	35	33
9	59	47	40	34	58	46	39	34	44	38	33	43	37	33	41	36	32	32	32	32	30
10	56	44	36	32	54	43	36	31	41	35	31	40	34	30	38	33	30	30	30	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16621	16621	16621
5°	16507	15136	14142
10°	16612	12750	11395
15°	16852	10904	9399
20°	17237	9220	7641
25°	17737	7631	6732
30°	18245	6575	6290
35°	18508	5992	6030
40°	18064	5412	5761
45°	16487	4891	5376
50°	13783	4321	5092
55°	10358	3785	4582
60°	7160	3246	4447
65°	4731	2795	4432
70°	3153	2623	4765
75°	2110	2706	5280
80°	1366	2996	5779
85°	703	3748	6891



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	819.2	5.3
10°-20°	1927.1	12.5
20°-30°	2415.6	15.7
30°-40°	2563.2	16.7
40°-50°	2317.5	15.1
50°-60°	1680.4	10.9
60°-70°	1054.5	6.9
70°-80°	697.8	4.5
80°-90°	404.6	2.6
90°-100°	290.9	1.9
100°-110°	469.0	3.1
110°-120°	370.3	2.4
120°-130°	177.9	1.2
130°-140°	87.4	0.6
140°-150°	50.2	0.3
150°-160°	27.8	0.2
160°-170°	12.1	0.1
170°-180°	3.7	0.0
0°-30°	5161.8	33.6
0°-40°	7725.0	50.3
0°-60°	11722.8	76.3
0°-90°	13879.8	90.3
90°-120°	1130.3	7.4
90°-150°	1445.7	9.4
90°-180°	1489.0	9.7
0°-180°	15369.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9731	9731	9731	9731	9731	
5°	9712	9463	8907	8494	8280	928
15°	9786	7976	6335	5634	5378	2775
25°	9851	6167	4242	3765	3645	4551
35°	9498	4100	3079	2982	2981	5904
45°	7508	2597	2231	2285	2324	5720
55°	3975	1610	1456	1579	1636	3592
65°	1422	934	843	1080	1200	1479
75°	439	503	566	879	932	489
85°	77	208	414	576	529	92
90°	2	102	259	363	369	7
95°	24	108	281	381	408	70
105°	425	454	506	454	439	403
115°	301	320	396	419	417	301
125°	153	163	204	216	216	142
135°	92	96	111	125	125	73
145°	72	74	77	85	85	45
155°	60	63	65	67	65	26
165°	42	42	43	43	43	12
175°	38	38	38	38	38	4
180°	37	37	37	37	37	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9731.4	9731.4	9731.4	9731.4	9731.4
2.5°	9711.0	9655.4	9482.2	9376.6	9287.7
5°	9711.9	9462.8	8907.0	8494.0	8280.0
7.5°	9725.8	9171.9	8170.7	7567.8	7332.6
10°	9747.0	8811.6	7483.5	6840.8	6621.2
12.5°	9762.8	8405.9	6878.7	6218.3	5977.5
15°	9786.0	7976.2	6335.1	5633.9	5378.3
17.5°	9807.3	7571.5	5797.9	5065.3	4780.9
20°	9828.6	7135.2	5260.7	4505.8	4271.6
22.5°	9849.0	6675.0	4736.4	4071.5	3911.3
25°	9850.8	6167.4	4241.9	3764.9	3645.4
27.5°	9826.7	5641.4	3840.9	3508.3	3434.3
30°	9785.0	5131.1	3529.7	3323.1	3270.4
32.5°	9681.3	4610.5	3288.9	3144.3	3113.8
35°	9497.9	4100.2	3078.6	2982.3	2981.4
37.5°	9208.9	3647.3	2850.7	2834.1	2854.5
40°	8782.0	3250.9	2635.0	2679.5	2679.5
42.5°	8212.4	2906.4	2439.6	2484.9	2472.9
45°	7508.5	2597.0	2231.2	2284.9	2323.8
47.5°	6692.5	2324.7	2018.2	2121.9	2175.5
50°	5805.3	2065.4	1823.7	1956.1	2017.2
52.5°	4875.4	1825.5	1633.8	1785.7	1834.8
55°	3975.1	1609.7	1456.0	1579.2	1635.7
57.5°	3160.1	1404.1	1281.9	1398.5	1515.2
60°	2459.0	1227.2	1117.9	1284.6	1401.3
62.5°	1878.3	1069.7	964.2	1178.1	1294.8
65°	1421.7	933.6	842.8	1079.9	1200.3
67.5°	1071.6	815.9	748.4	1008.6	1126.3
70°	804.9	702.0	672.4	964.2	1069.7
72.5°	594.6	597.4	612.2	925.2	1005.8
75°	439.0	502.9	565.9	879.0	931.8
77.5°	314.0	416.8	524.2	823.4	841.9
80°	217.7	339.9	480.7	750.2	734.5
82.5°	136.1	272.3	441.8	669.6	626.1
85°	76.9	208.4	414.0	576.1	528.8
87.5°	34.3	155.6	362.1	449.2	419.5
90°	2.4	101.6	259.3	363.1	369.1
92.5°	9.1	90.9	252.0	353.0	366.3
95°	23.9	108.0	280.7	380.9	408.4
97.5°	113.7	172.6	332.4	425.2	444.3
100°	228.7	288.3	382.1	454.0	467.3
102.5°	361.3	394.5	423.1	454.4	457.8
105°	425.3	453.8	506.2	453.6	438.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	347.2	371.8	453.6	471.3	462.2
115°	301.2	319.7	395.5	419.0	416.9
117.5°	255.2	272.3	340.6	361.2	360.6
120°	215.6	231.6	288.7	305.0	305.0
122.5°	183.2	194.7	243.5	256.8	256.6
125°	153.3	162.7	203.9	216.2	216.1
127.5°	129.0	135.7	171.9	184.1	183.2
130°	113.7	118.7	145.0	158.8	158.8
132.5°	101.4	105.6	125.6	139.4	140.2
135°	91.7	95.9	111.2	125.0	125.0
137.5°	85.3	89.6	99.5	112.4	113.2
140°	78.8	83.0	90.2	102.2	102.2
142.5°	74.9	77.4	82.7	92.8	93.6
145°	71.7	74.3	77.0	85.2	85.0
147.5°	67.7	71.1	73.7	78.3	78.2
150°	65.2	68.9	69.7	73.2	72.3
152.5°	62.0	65.6	66.4	69.1	68.1
155°	59.6	63.2	64.9	66.7	64.8
157.5°	46.1	47.7	47.7	48.5	48.5
160°	44.5	45.3	46.1	46.1	46.1
162.5°	42.8	43.6	43.6	44.5	44.5
165°	42.0	42.0	42.8	42.8	42.8
167.5°	40.4	40.4	41.2	41.2	41.2
170°	39.6	39.6	39.6	40.4	40.4
172.5°	38.8	38.8	38.8	38.8	38.8
175°	38.0	38.0	38.0	38.0	38.0
177.5°	37.2	38.0	38.0	38.0	38.0
180°	37.2	37.2	37.2	37.2	37.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	427.8	459.9	529.6	483.9	438.7
110°	393.1	424.7	501.4	502.5	467.8



(END OF REPORT)