

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: P827720

Luminaire Tested: **OHBL-18SE-N-UNV-L930-CD-UPL24**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P827720
REPORT IS A COMBINATION OF REPORTS P826236 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-N-UNV-L930-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

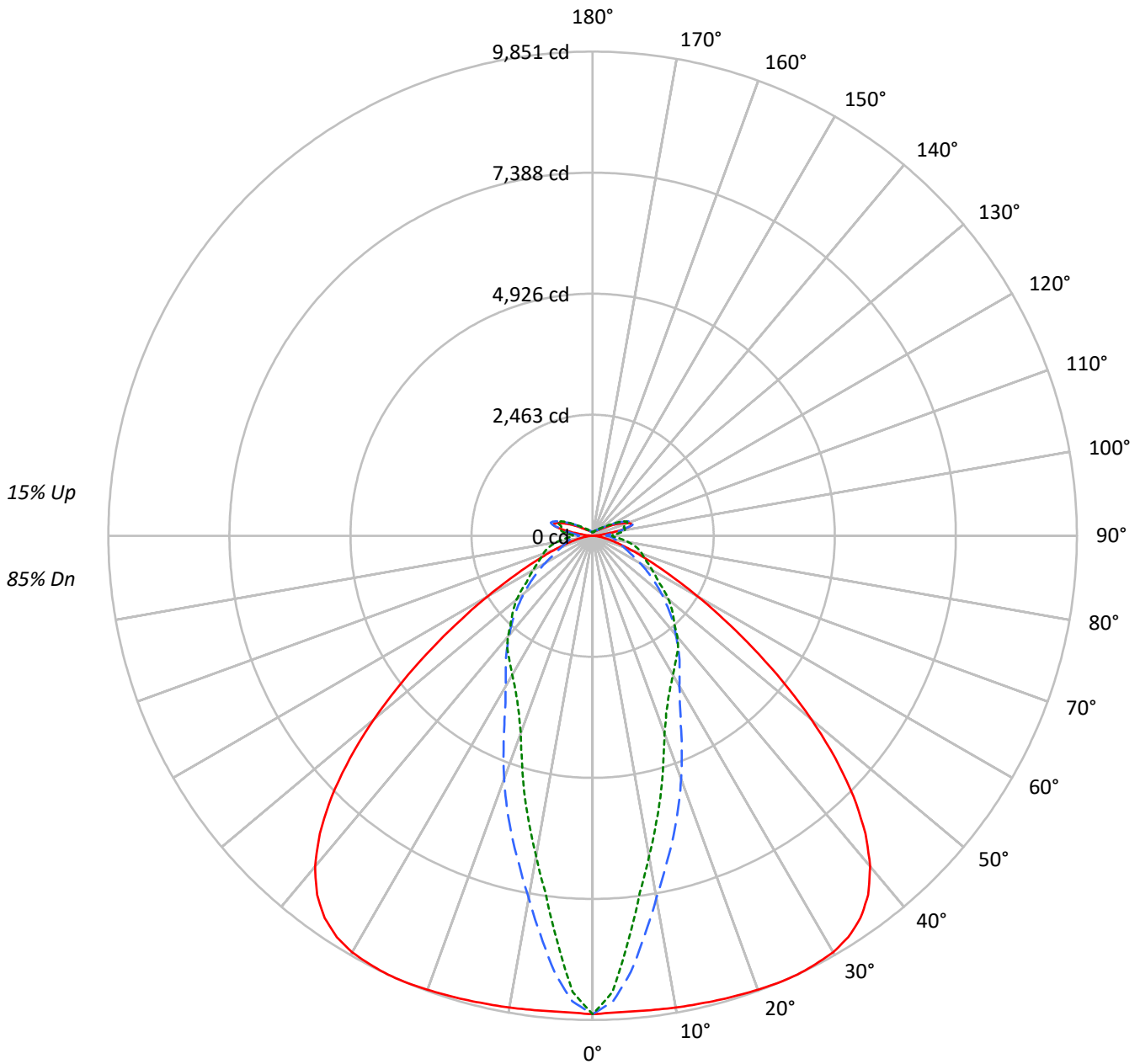
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16318.9 lumens
Efficiency: N/A
Efficacy: 133.3 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: Semi-Direct

Input Watts (W): 122.4
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				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	115	115	115	115	111	111	111	111	103	103	103	95	95	95	88	88	88	85			
1	106	102	98	94	102	98	94	91	91	88	86	85	83	80	79	77	76	73			
2	98	90	84	79	94	87	81	77	81	77	73	76	72	69	71	68	65	62			
3	90	80	73	67	86	78	71	66	73	67	63	68	64	60	64	60	57	54			
4	83	72	64	58	80	70	63	57	66	60	55	62	57	52	58	54	50	48			
5	77	65	57	51	74	63	56	50	60	53	48	56	51	47	53	48	45	42			
6	71	59	51	45	69	58	50	45	54	48	43	51	46	42	49	44	40	38			
7	67	54	46	41	64	53	45	40	50	44	39	47	42	38	45	40	36	34			
8	62	50	42	37	60	49	41	36	46	40	35	44	38	34	42	37	33	31			
9	59	46	39	34	56	45	38	33	43	37	32	41	35	31	39	34	30	29			
10	55	43	36	31	53	42	35	30	40	34	30	38	33	29	36	32	28	26			

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	5.0
10°-20°	1927.1	11.8
20°-30°	2415.6	14.8
30°-40°	2563.2	15.7
40°-50°	2317.5	14.2
50°-60°	1680.4	10.3
60°-70°	1054.5	6.5
70°-80°	697.8	4.3
80°-90°	407.0	2.5
90°-100°	382.2	2.3
100°-110°	785.1	4.8
110°-120°	641.1	3.9
120°-130°	307.9	1.9
130°-140°	152.5	0.9
140°-150°	87.7	0.5
150°-160°	49.6	0.3
160°-170°	23.5	0.1
170°-180°	7.1	0.0
0°-30°	5161.8	31.6
0°-40°	7725.0	47.3
0°-60°	11722.8	71.8
0°-90°	13882.2	85.1
90°-120°	1808.3	11.1
90°-150°	2356.4	14.4
90°-180°	2437.0	14.9
0°-180°	16318.9	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°	4	114	278	388	397	8
95°	47	151	350	471	509	136
105°	818	843	836	690	656	777
115°	570	594	669	693	691	574
125°	284	303	346	359	356	266
135°	171	176	194	208	210	135
145°	128	132	137	145	145	81
155°	105	109	112	114	112	47
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°	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°	4.0	114.5	277.9	388.2	396.6
92.5°	15.6	108.6	279.5	391.8	411.6
95°	46.6	150.8	350.2	471.4	508.6
97.5°	222.0	289.0	451.2	573.1	610.9
100°	451.8	521.9	564.8	649.6	666.1
102.5°	696.0	729.9	667.2	671.0	672.0
105°	818.2	842.6	836.0	689.6	655.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	662.4	694.4	765.7	777.6	756.4
115°	569.6	593.7	668.7	693.1	691.0
117.5°	489.6	504.3	573.4	595.7	597.4
120°	407.2	427.2	490.0	505.5	500.6
122.5°	343.3	360.4	411.6	425.7	419.9
125°	284.3	302.6	346.2	359.3	356.0
127.5°	241.4	253.7	292.4	306.1	304.4
130°	211.5	219.8	250.1	263.8	264.6
132.5°	187.9	195.4	217.8	233.9	233.1
135°	171.0	176.0	193.7	208.3	209.9
137.5°	157.2	162.4	174.7	189.2	189.2
140°	145.1	150.1	159.7	172.5	173.3
142.5°	135.5	139.6	146.6	157.5	157.5
145°	128.3	132.5	136.8	145.0	144.9
147.5°	121.0	126.1	128.7	134.9	134.0
150°	115.3	119.8	122.2	125.8	125.7
152.5°	109.7	114.1	116.6	119.2	118.3
155°	104.8	109.3	111.8	113.6	111.7
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°	821.4	855.2	895.0	771.7	679.6
110°	759.3	792.5	850.6	822.6	749.9



(END OF REPORT)