

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: P828001

Luminaire Tested: **OHBL-18HE-N-UNV-L935-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828001
REPORT IS A COMBINATION OF REPORTS P826158 AND G3-2310-221-8
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-18HE-N-UNV-L935-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

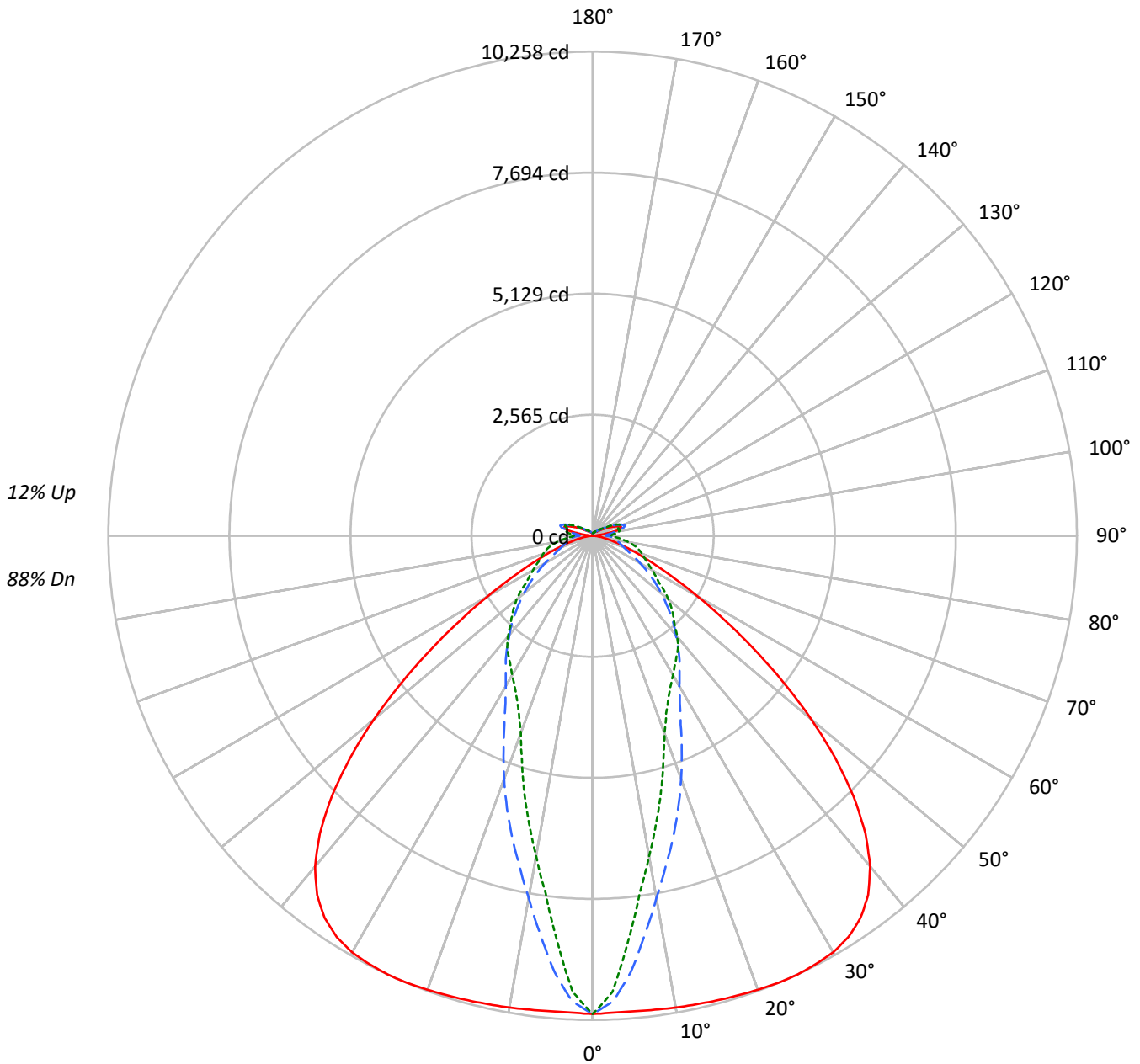
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16447.5 lumens
Efficiency: N/A
Efficacy: 142.6 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): 115.3
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	104	104	104	97	97	97	91	91	91	88																			
1	107	102	98	95	103	99	95	92	92	90	87	87	84	82	81	79	78	75																			
2	98	91	85	79	94	88	82	77	82	78	74	77	74	70	73	70	67	65																			
3	90	81	74	68	87	78	72	66	74	68	64	70	65	61	66	62	59	56																			
4	84	73	65	59	80	71	63	58	67	61	56	63	58	54	60	55	52	49																			
5	77	66	58	52	75	64	56	51	61	54	49	57	52	48	55	50	46	44																			
6	72	60	52	46	69	58	51	45	55	49	44	53	47	43	50	45	41	39																			
7	67	55	47	41	65	53	46	41	51	44	40	49	43	39	46	41	37	35																			
8	63	50	43	37	61	49	42	37	47	41	36	45	39	35	43	38	34	32																			
9	59	47	39	34	57	46	39	34	44	37	33	42	36	32	40	35	31	30																			
10	56	43	36	31	54	42	36	31	41	34	30	39	33	30	37	32	29	27																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17308	17308	17308
5°	17189	15762	14726
10°	17298	13277	11866
15°	17548	11355	9787
20°	17949	9601	7957
25°	18470	7947	7010
30°	18998	6846	6549
35°	19272	6239	6279
40°	18811	5636	5999
45°	17169	5093	5598
50°	14352	4500	5303
55°	10786	3941	4771
60°	7455	3380	4631
65°	4926	2911	4615
70°	3283	2732	4962
75°	2197	2817	5498
80°	1423	3121	6018
85°	732	3903	7176



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	853.0	5.2
10°-20°	2006.7	12.2
20°-30°	2515.3	15.3
30°-40°	2669.1	16.2
40°-50°	2413.3	14.7
50°-60°	1749.8	10.6
60°-70°	1098.1	6.7
70°-80°	726.7	4.4
80°-90°	422.4	2.6
90°-100°	345.5	2.1
100°-110°	635.5	3.9
110°-120°	512.1	3.1
120°-130°	246.3	1.5
130°-140°	121.4	0.7
140°-150°	69.8	0.4
150°-160°	39.2	0.2
160°-170°	17.9	0.1
170°-180°	5.5	0.0
0°-30°	5375.0	32.7
0°-40°	8044.1	48.9
0°-60°	12207.1	74.2
0°-90°	14454.2	87.9
90°-120°	1493.2	9.1
90°-150°	1930.6	11.7
90°-180°	1993.0	12.1
0°-180°	16447.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10133	10133	10133	10133	10133	
5°	10113	9854	9275	8845	8622	967
15°	10190	8306	6597	5867	5600	2890
25°	10258	6422	4417	3920	3796	4739
35°	9890	4270	3206	3106	3104	6148
45°	7819	2704	2323	2379	2420	5956
55°	4139	1676	1516	1644	1703	3740
65°	1480	972	878	1124	1250	1541
75°	457	524	589	915	970	510
85°	80	217	431	600	551	96
90°	3	112	278	390	397	8
95°	36	132	327	438	472	103
105°	625	654	682	580	557	594
115°	438	462	540	562	564	442
125°	220	234	279	293	290	206
135°	133	137	154	169	170	105
145°	102	104	109	117	116	64
155°	83	88	90	91	90	37
165°	62	62	62	63	63	18
175°	56	56	57	57	57	5
180°	56	56	56	56	56	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10133.3	10133.3	10133.3	10133.3	10133.3
2.5°	10112.2	10054.2	9873.9	9764.0	9671.4
5°	10113.1	9853.7	9275.0	8844.9	8622.1
7.5°	10127.6	9550.8	8508.3	7880.4	7635.5
10°	10149.8	9175.7	7792.7	7123.3	6894.8
12.5°	10166.2	8753.2	7162.9	6475.2	6224.5
15°	10190.2	8305.8	6596.8	5866.7	5600.5
17.5°	10212.5	7884.3	6037.4	5274.5	4978.4
20°	10234.7	7430.1	5478.0	4692.0	4448.0
22.5°	10255.8	6950.8	4932.2	4239.7	4072.8
25°	10257.8	6422.2	4417.2	3920.4	3796.0
27.5°	10232.8	5874.4	3999.5	3653.3	3576.2
30°	10189.3	5343.0	3675.5	3460.4	3405.4
32.5°	10081.3	4801.0	3424.8	3274.2	3242.4
35°	9890.3	4269.6	3205.8	3105.5	3104.5
37.5°	9589.4	3798.0	2968.6	2951.2	2972.4
40°	9144.8	3385.2	2743.8	2790.2	2790.2
42.5°	8551.7	3026.4	2540.3	2587.6	2575.1
45°	7818.8	2704.2	2323.3	2379.2	2419.8
47.5°	6969.1	2420.8	2101.5	2209.5	2265.5
50°	6045.1	2150.7	1899.0	2036.9	2100.6
52.5°	5076.8	1900.9	1701.2	1859.4	1910.6
55°	4139.4	1676.2	1516.1	1644.3	1703.2
57.5°	3290.7	1462.1	1334.8	1456.3	1577.8
60°	2560.6	1277.9	1164.1	1337.7	1459.2
62.5°	1955.9	1113.9	1004.0	1226.8	1348.3
65°	1480.4	972.2	877.7	1124.5	1249.9
67.5°	1115.8	849.7	779.2	1050.2	1172.8
70°	838.1	731.1	700.2	1004.0	1113.9
72.5°	619.2	622.1	637.5	963.5	1047.4
75°	457.2	523.7	589.2	915.2	970.2
77.5°	326.9	434.0	545.8	857.4	876.7
80°	226.7	353.9	500.6	781.2	764.8
82.5°	141.8	283.6	460.0	697.3	652.0
85°	80.1	217.0	431.1	599.9	550.7
87.5°	35.7	162.0	377.1	467.8	436.9
90°	3.3	111.5	278.1	389.5	396.6
92.5°	12.8	102.8	276.3	385.4	401.8
95°	35.5	132.0	327.4	438.2	471.7
97.5°	167.3	233.4	404.8	512.8	537.7
100°	340.8	401.8	485.0	564.8	579.4
102.5°	530.9	569.7	552.9	574.1	576.8
105°	625.2	654.1	681.8	579.7	557.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	511.3	537.8	615.6	634.1	618.0
115°	438.1	462.4	539.7	561.7	563.8
117.5°	375.8	392.7	462.8	485.3	487.1
120°	315.8	333.2	394.3	412.1	410.4
122.5°	265.8	280.9	333.3	347.2	344.6
125°	219.9	233.8	279.2	292.8	290.2
127.5°	187.2	196.7	236.0	248.7	246.1
130°	163.9	171.7	199.8	214.2	215.0
132.5°	147.2	151.6	173.9	188.2	189.9
135°	133.0	137.4	154.1	169.2	170.1
137.5°	122.2	127.5	138.6	152.8	153.6
140°	113.0	117.4	125.7	138.9	139.8
142.5°	106.4	109.9	116.2	126.8	127.6
145°	101.6	104.2	108.7	117.2	116.2
147.5°	95.8	99.3	102.0	108.4	107.5
150°	90.8	95.3	97.0	100.7	100.6
152.5°	87.4	91.2	92.8	95.6	94.6
155°	83.3	87.8	89.6	91.4	89.5
157.5°	69.2	70.0	70.8	71.7	71.7
160°	66.7	66.7	67.5	68.3	68.3
162.5°	64.2	64.2	65.0	65.8	65.8
165°	61.7	62.5	62.5	63.3	63.3
167.5°	60.0	60.0	60.8	60.8	61.7
170°	58.3	58.3	59.2	59.2	59.2
172.5°	56.7	57.5	57.5	57.5	57.5
175°	55.8	55.8	56.7	56.7	56.7
177.5°	55.0	55.8	55.8	55.8	55.8
180°	55.8	55.8	55.8	55.8	55.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	631.1	662.9	721.6	636.7	570.9
110°	579.5	613.2	686.6	672.3	621.5



(END OF REPORT)