

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: P828000

Luminaire Tested: **OHBL-18HE-N-UNV-L935-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828000
REPORT IS A COMBINATION OF REPORTS P826062 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-18HE-N-UNV-L935-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

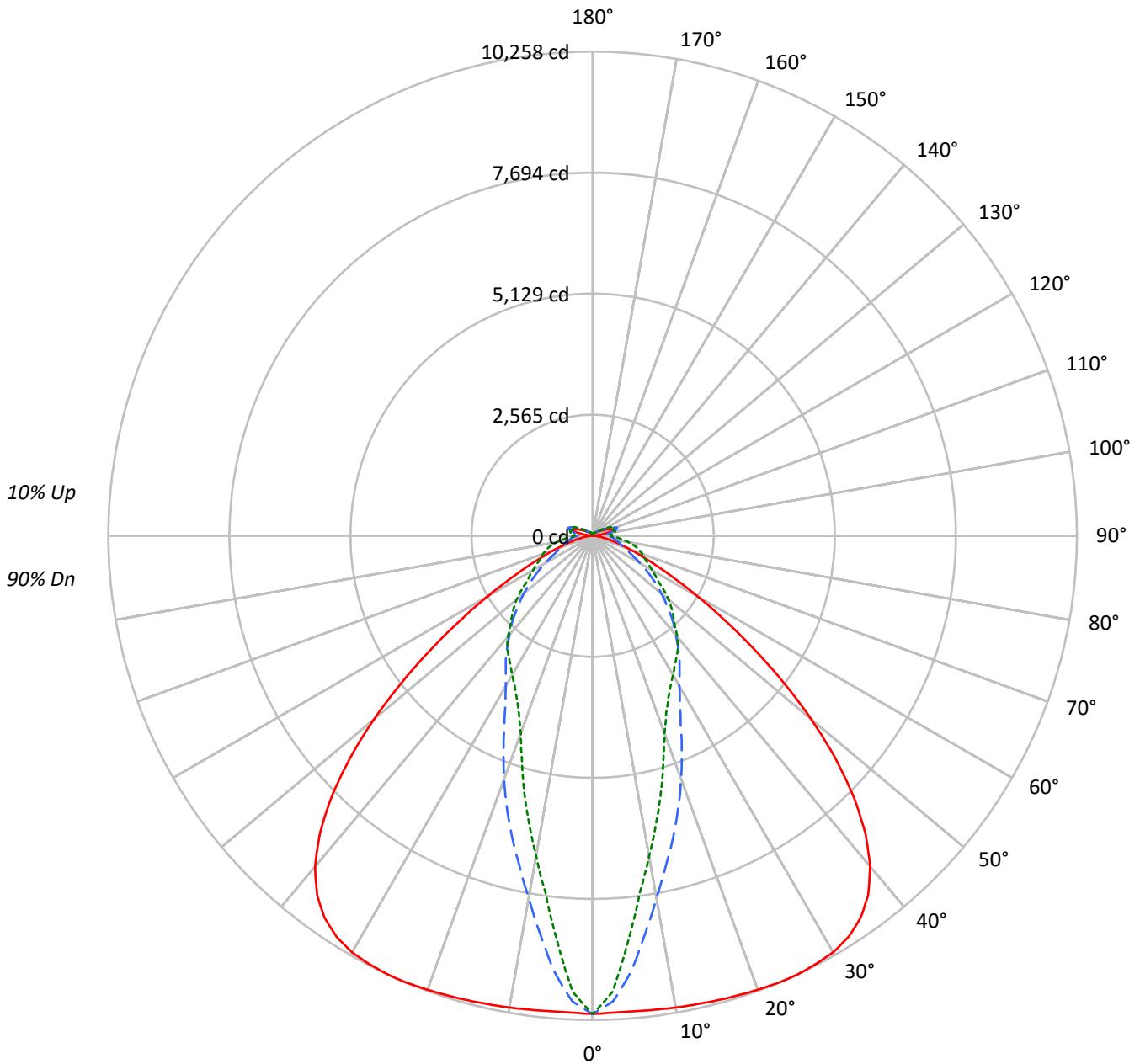
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15993.6 lumens
Efficiency: N/A
Efficacy: 143.6 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: Direct

Input Watts (W): 111.4
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				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	84	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	57	64	59	55	61	57	53	53	53	53	51
5	78	66	58	52	75	65	57	51	62	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	50	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°	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	5.3
10°-20°	2006.7	12.5
20°-30°	2515.3	15.7
30°-40°	2669.1	16.7
40°-50°	2413.3	15.1
50°-60°	1749.8	10.9
60°-70°	1098.1	6.9
70°-80°	726.7	4.5
80°-90°	421.3	2.6
90°-100°	302.0	1.9
100°-110°	484.9	3.0
110°-120°	382.6	2.4
120°-130°	183.8	1.1
130°-140°	90.3	0.6
140°-150°	51.8	0.3
150°-160°	28.7	0.2
160°-170°	12.5	0.1
170°-180°	3.8	0.0
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0°-30°	5375.0	33.6
0°-40°	8044.1	50.3
0°-60°	12207.1	76.3
0°-90°	14453.1	90.4
90°-120°	1169.6	7.3
90°-150°	1495.5	9.4
90°-180°	1540.0	9.6
0°-180°	15993.6	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°	2	106	270	378	384	7
95°	25	112	292	396	424	72
105°	439	468	523	470	455	415
115°	311	330	409	433	431	310
125°	158	168	211	224	224	147
135°	95	99	115	129	129	75
145°	74	77	80	88	88	47
155°	62	65	67	69	67	27
165°	43	43	44	44	44	12
175°	39	39	39	39	39	4
180°	38	38	38	38	38	



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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°	2.5	105.7	269.8	377.8	384.1
92.5°	9.4	94.4	262.2	367.1	380.9
95°	24.7	112.0	291.6	395.7	424.2
97.5°	117.3	178.4	344.8	441.1	461.0
100°	235.8	297.7	395.8	470.6	484.4
102.5°	372.6	407.2	437.9	470.8	474.3
105°	438.6	468.2	523.4	469.7	454.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	358.0	383.6	468.9	487.4	478.0
115°	310.6	329.9	408.8	433.3	431.2
117.5°	263.2	281.0	352.0	373.7	372.9
120°	222.4	239.0	298.5	315.4	315.4
122.5°	189.1	200.9	251.7	265.6	265.4
125°	158.2	167.9	210.8	223.6	223.5
127.5°	133.1	140.0	177.7	190.3	189.4
130°	117.2	122.5	149.8	164.2	164.2
132.5°	104.7	109.1	129.8	144.1	144.9
135°	94.7	99.1	114.9	129.2	129.2
137.5°	88.0	92.5	102.8	116.1	116.9
140°	81.3	85.8	93.2	105.6	105.6
142.5°	77.2	79.9	85.4	95.9	96.8
145°	74.1	76.7	79.5	88.0	87.9
147.5°	69.9	73.5	76.2	80.9	80.8
150°	67.4	71.2	72.0	75.7	74.8
152.5°	64.1	67.8	68.7	71.4	70.4
155°	61.6	65.3	67.1	68.9	67.0
157.5°	47.5	49.2	49.2	50.0	50.0
160°	45.8	46.7	47.5	47.5	47.5
162.5°	44.2	45.0	45.0	45.8	45.8
165°	43.3	43.3	44.2	44.2	44.2
167.5°	41.7	41.7	42.5	42.5	42.5
170°	40.8	40.8	40.8	41.7	41.7
172.5°	40.0	40.0	40.0	40.0	40.0
175°	39.2	39.2	39.2	39.2	39.2
177.5°	38.3	39.2	39.2	39.2	39.2
180°	38.3	38.3	38.3	38.3	38.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	441.1	474.6	547.4	500.8	454.3
110°	405.3	438.2	518.2	519.8	484.0



(END OF REPORT)