

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: P830376

Luminaire Tested: **OHBL-36HE-W-UNV-L935-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830376
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36HE-W-UNV-L935-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

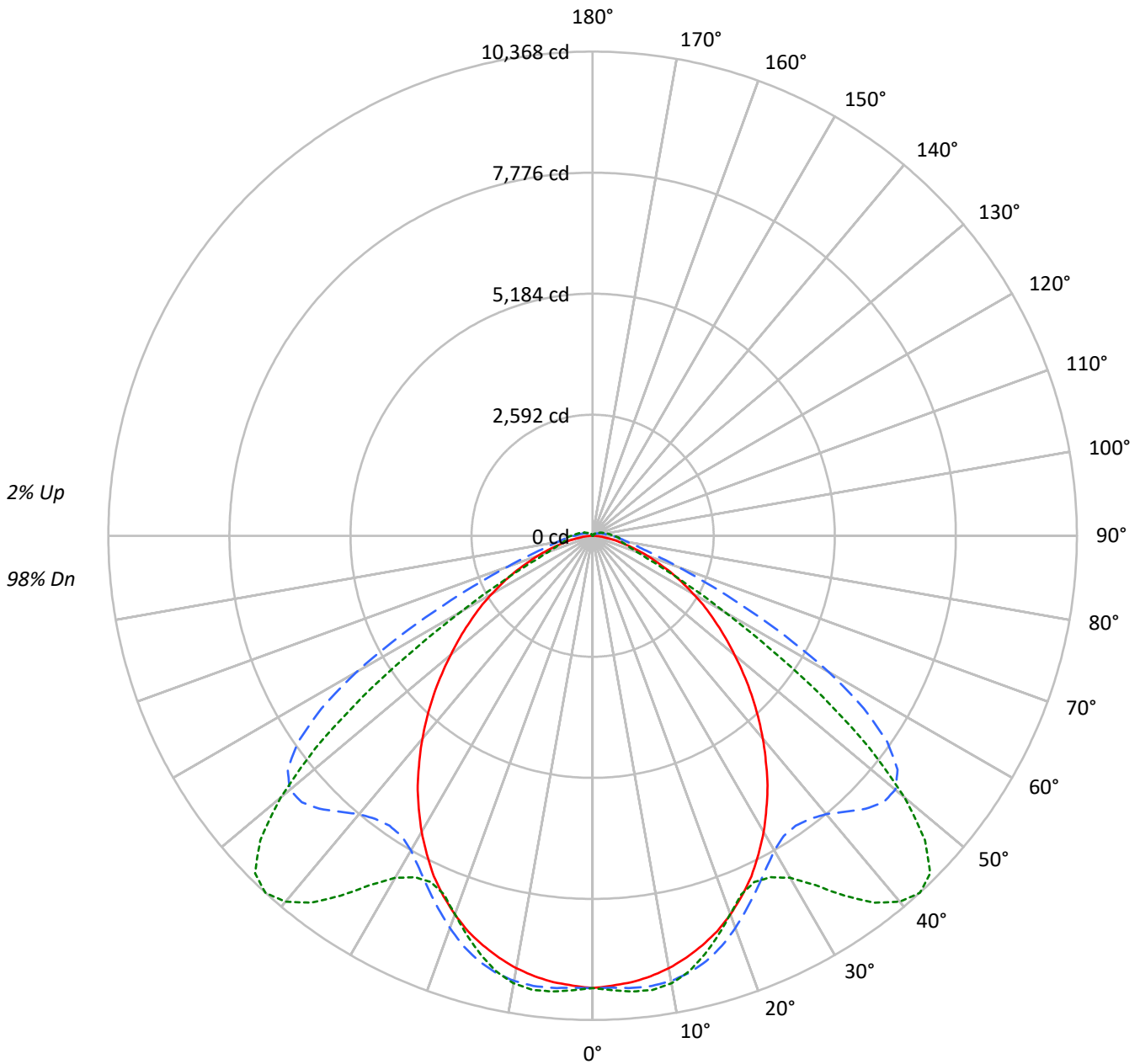
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28998.0 lumens
Efficiency: N/A
Efficacy: 136.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 212
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				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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98			
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	83			
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	70			
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	59			
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	50			
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	43			
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	38			
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	33			
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29			
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	26			
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15316	15316	15316
5°	15174	15302	15426
10°	14983	15285	15379
15°	14691	15039	14822
20°	14291	14529	14033
25°	13755	13910	13687
30°	13042	13451	14655
35°	12229	13708	17055
40°	11286	14855	19597
45°	10299	16862	20919
50°	9270	18661	19311
55°	8303	18655	14613
60°	7319	15800	8828
65°	6279	10926	5264
70°	5102	7077	3720
75°	3881	5085	3340
80°	2786	4487	3568
85°	1891	4972	5028



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	925.5	3.2
10°-20°	2620.7	9.0
20°-30°	3835.0	13.2
30°-40°	4980.5	17.2
40°-50°	6081.8	21.0
50°-60°	5356.0	18.5
60°-70°	2791.0	9.6
70°-80°	1196.9	4.1
80°-90°	574.8	2.0
90°-100°	270.0	0.9
100°-110°	167.8	0.6
110°-120°	99.2	0.3
120°-130°	53.9	0.2
130°-140°	27.1	0.1
140°-150°	13.0	0.0
150°-160°	4.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7381.2	25.5
0°-40°	12361.7	42.6
0°-60°	23799.5	82.1
0°-90°	28362.3	97.8
90°-120°	537.1	1.9
90°-150°	631.1	2.2
90°-180°	636.0	2.2
0°-180°	28998.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9685	9685	9685	9685	9685	
5°	9595	9668	9720	9806	9796	910
15°	9079	9334	9424	9353	9277	2556
25°	8045	8475	8331	8174	8182	3692
35°	6530	7219	7581	8841	9407	4070
45°	4808	6049	8268	10011	10220	3707
55°	3201	5299	7700	6751	6001	2873
65°	1837	3671	3525	1960	1686	1817
75°	740	1718	1132	775	736	807
85°	157	612	577	564	570	175
90°	2	222	380	435	445	11
95°	4	130	303	355	366	3
105°	8	73	196	236	240	9
115°	12	42	121	148	152	13
125°	15	21	71	92	94	12
135°	12	12	33	56	58	10
145°	17	12	15	27	31	10
155°	17	17	12	12	12	5
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9684.8	9684.8	9684.8	9684.8	9684.8
2.5°	9643.0	9684.8	9686.9	9745.4	9739.1
5°	9595.0	9668.1	9720.3	9806.0	9795.5
7.5°	9515.6	9630.5	9722.4	9816.4	9808.1
10°	9402.7	9559.4	9680.6	9757.9	9732.9
12.5°	9256.5	9463.3	9582.4	9599.1	9551.1
15°	9078.8	9333.8	9423.6	9352.6	9277.4
17.5°	8878.3	9177.1	9208.4	9053.8	8959.7
20°	8627.5	8968.1	8936.8	8723.6	8619.2
22.5°	8349.6	8738.3	8638.0	8414.4	8314.1
25°	8044.6	8475.0	8330.8	8174.1	8182.5
27.5°	7687.2	8176.2	8036.2	8107.2	8241.0
30°	7323.7	7862.8	7777.1	8190.8	8454.1
32.5°	6924.6	7541.0	7618.3	8435.3	8865.7
35°	6529.7	7219.2	7580.7	8840.6	9406.9
37.5°	6093.0	6893.2	7641.3	9308.7	9902.1
40°	5668.8	6575.6	7779.2	9728.7	10230.2
42.5°	5236.3	6291.5	8011.1	9977.3	10368.1
45°	4807.9	6049.1	8268.1	10010.8	10219.7
47.5°	4379.6	5844.3	8445.7	9745.4	9649.3
50°	3965.9	5662.5	8458.3	9108.1	8715.3
52.5°	3579.3	5495.4	8228.4	8092.6	7482.5
55°	3201.1	5299.0	7699.8	6751.2	6001.0
57.5°	2856.3	5027.3	6884.9	5309.4	4490.3
60°	2490.7	4659.6	5831.8	3884.4	3238.7
62.5°	2154.3	4202.0	4651.2	2703.8	2327.7
65°	1836.7	3671.2	3525.0	1959.9	1686.2
67.5°	1500.3	3121.7	2601.4	1429.2	1253.7
70°	1237.0	2611.9	1937.0	1111.6	1009.2
72.5°	967.4	2127.1	1448.0	902.7	846.2
75°	739.7	1717.6	1132.5	775.2	735.5
77.5°	545.4	1358.2	911.0	685.4	647.7
80°	382.4	1069.8	762.7	612.2	597.6
82.5°	257.0	827.4	649.8	583.0	585.1
85°	156.7	612.2	576.7	564.2	570.4
87.5°	75.2	434.6	495.2	514.0	520.3
90°	2.1	221.5	380.3	434.6	445.1
92.5°	0.0	169.2	334.3	388.6	399.1
95°	4.2	129.5	303.0	355.2	365.7
97.5°	4.2	106.6	271.6	326.0	332.2
100°	6.3	91.9	242.4	294.6	300.9
102.5°	6.3	81.5	217.3	263.3	267.5
105°	8.4	73.1	196.4	236.1	240.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	12.5	50.1	137.9	167.2	171.3
115°	12.5	41.8	121.2	148.4	152.5
117.5°	14.6	37.6	106.6	131.6	133.7
120°	14.6	31.3	91.9	117.0	119.1
122.5°	14.6	25.1	81.5	104.5	106.6
125°	14.6	20.9	71.0	91.9	94.0
127.5°	12.5	14.6	60.6	81.5	83.6
130°	12.5	12.5	50.1	71.0	75.2
132.5°	12.5	12.5	41.8	62.7	66.9
135°	12.5	12.5	33.4	56.4	58.5
137.5°	12.5	12.5	27.2	48.1	52.2
140°	12.5	12.5	20.9	41.8	43.9
142.5°	14.6	12.5	18.8	35.5	37.6
145°	16.7	12.5	14.6	27.2	31.3
147.5°	16.7	14.6	14.6	23.0	25.1
150°	16.7	16.7	12.5	16.7	20.9
152.5°	16.7	16.7	12.5	12.5	16.7
155°	16.7	16.7	12.5	12.5	12.5
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	10.4	64.8	175.5	211.0	215.2
110°	10.4	56.4	154.6	188.1	192.2



(END OF REPORT)