

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: P830374

Luminaire Tested: **OHBL-36HE-W-UNV-L850-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830374
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-L850-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 5000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

Summary

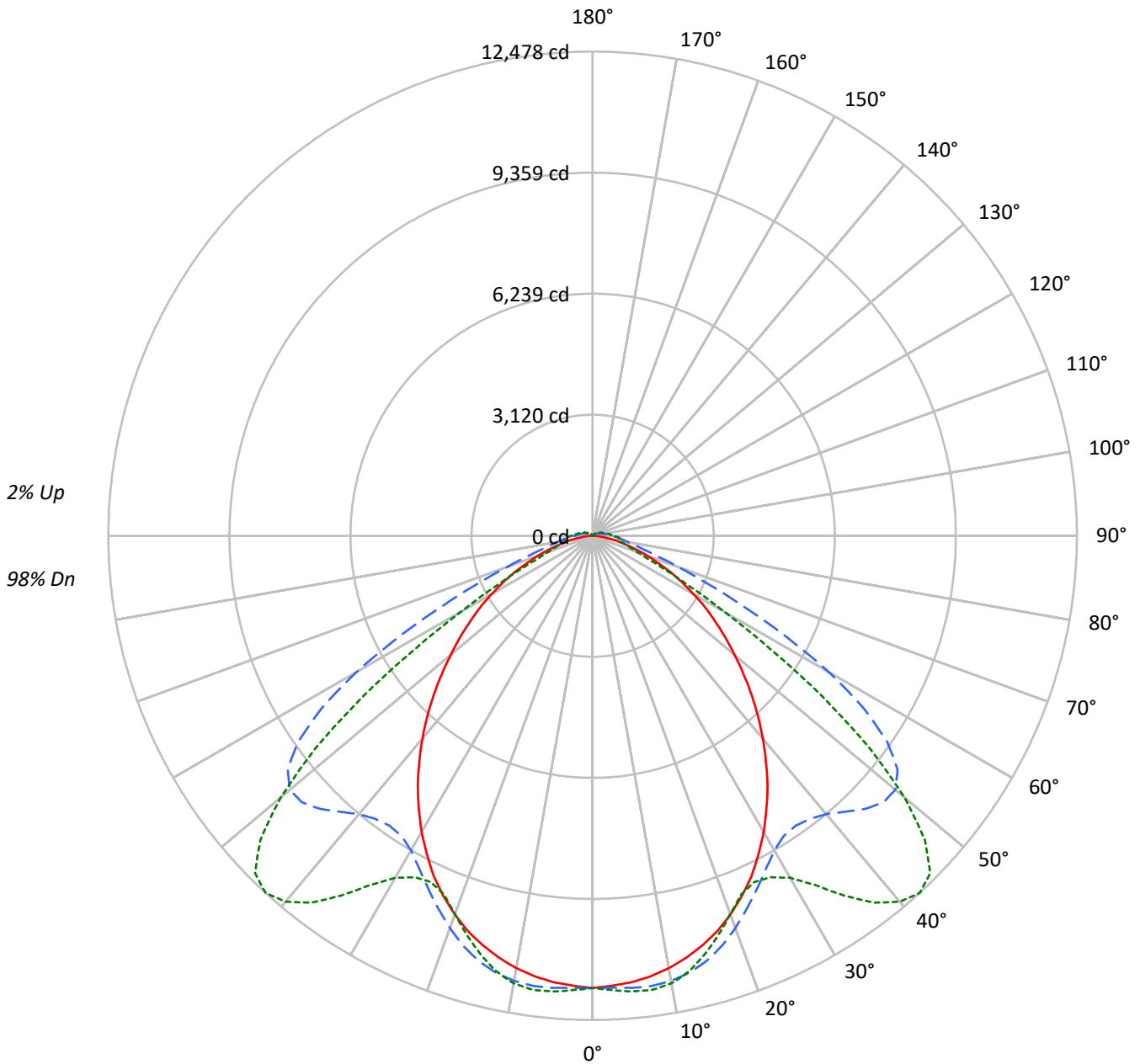
Lumens per Lamp: N/A
Luminaire Lumens: 34898.0 lumens
Efficiency: N/A
Efficacy: 164.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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									
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	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°	18433	18433	18433
5°	18261	18415	18564
10°	18032	18395	18508
15°	17680	18099	17837
20°	17198	17485	16888
25°	16553	16740	16472
30°	15696	16188	17636
35°	14717	16497	20525
40°	13582	17878	23584
45°	12395	20293	25176
50°	11157	22457	23240
55°	9993	22450	17587
60°	8808	19015	10624
65°	7557	13149	6336
70°	6140	8517	4477
75°	4671	6120	4019
80°	3353	5399	4294
85°	2276	5983	6051



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1113.8	3.2
10°-20°	3153.9	9.0
20°-30°	4615.2	13.2
30°-40°	5993.9	17.2
40°-50°	7319.2	21.0
50°-60°	6445.8	18.5
60°-70°	3358.9	9.6
70°-80°	1440.4	4.1
80°-90°	691.7	2.0
90°-100°	325.0	0.9
100°-110°	202.0	0.6
110°-120°	119.4	0.3
120°-130°	64.9	0.2
130°-140°	32.6	0.1
140°-150°	15.7	0.0
150°-160°	5.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	8883.0	25.5
0°-40°	14876.8	42.6
0°-60°	28641.8	82.1
0°-90°	34132.9	97.8
90°-120°	646.4	1.9
90°-150°	759.6	2.2
90°-180°	765.0	2.2
0°-180°	34898.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11655	11655	11655	11655	11655	
5°	11547	11635	11698	11801	11789	###
15°	10926	11233	11341	11256	11165	3076
25°	9681	10199	10026	9837	9847	4443
35°	7858	8688	9123	10639	11321	4898
45°	5786	7280	9950	12048	12299	4462
55°	3852	6377	9266	8125	7222	3457
65°	2210	4418	4242	2359	2029	2187
75°	890	2067	1363	933	885	971
85°	189	737	694	679	686	210
90°	2	267	458	523	536	13
95°	5	156	365	428	440	4
105°	10	88	236	284	289	11
115°	15	50	146	178	184	16
125°	18	25	86	111	113	15
135°	15	15	40	68	70	12
145°	20	15	18	33	38	12
155°	20	20	15	15	15	6
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°	11655.3	11655.3	11655.3	11655.3	11655.3
2.5°	11605.0	11655.3	11657.8	11728.2	11720.7
5°	11547.2	11635.2	11698.0	11801.1	11788.6
7.5°	11451.6	11589.9	11700.6	11813.7	11803.7
10°	11315.8	11504.4	11650.3	11743.3	11713.1
12.5°	11139.8	11388.7	11532.1	11552.2	11494.4
15°	10926.1	11232.8	11341.0	11255.5	11164.9
17.5°	10684.6	11044.2	11082.0	10895.9	10782.7
20°	10382.9	10792.8	10755.1	10498.6	10372.8
22.5°	10048.4	10516.2	10395.5	10126.4	10005.7
25°	9681.3	10199.3	10025.8	9837.2	9847.3
27.5°	9251.3	9839.7	9671.3	9756.8	9917.7
30°	8813.8	9462.5	9359.4	9857.3	10174.2
32.5°	8333.5	9075.3	9168.3	10151.5	10669.6
35°	7858.2	8688.0	9123.1	10639.4	11320.8
37.5°	7332.7	8295.8	9196.0	11202.7	11916.8
40°	6822.2	7913.5	9362.0	11708.1	12311.6
42.5°	6301.7	7571.5	9641.1	12007.3	12477.6
45°	5786.2	7279.8	9950.4	12047.6	12299.0
47.5°	5270.7	7033.4	10164.1	11728.2	11612.5
50°	4772.8	6814.6	10179.2	10961.3	10488.5
52.5°	4307.6	6613.5	9902.6	9739.1	9004.9
55°	3852.4	6377.1	9266.4	8124.8	7222.0
57.5°	3437.5	6050.2	8285.7	6389.7	5403.9
60°	2997.4	5607.6	7018.3	4674.7	3897.7
62.5°	2592.6	5056.9	5597.6	3253.9	2801.3
65°	2210.4	4418.2	4242.2	2358.7	2029.3
67.5°	1805.5	3756.9	3130.7	1720.0	1508.8
70°	1488.7	3143.3	2331.1	1337.8	1214.6
72.5°	1164.3	2559.9	1742.6	1086.3	1018.4
75°	890.2	2067.0	1362.9	932.9	885.1
77.5°	656.3	1634.5	1096.4	824.8	779.5
80°	460.2	1287.5	917.8	736.8	719.2
82.5°	309.3	995.8	782.0	701.6	704.1
85°	188.6	736.8	694.0	678.9	686.5
87.5°	90.5	523.0	596.0	618.6	626.1
90°	2.5	266.6	457.7	523.0	535.6
92.5°	0.0	203.7	402.3	467.7	480.3
95°	5.0	155.9	364.6	427.5	440.1
97.5°	5.0	128.2	326.9	392.3	399.8
100°	7.5	110.6	291.7	354.6	362.1
102.5°	7.5	98.1	261.5	316.8	321.9
105°	10.1	88.0	236.4	284.2	289.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	15.1	60.4	166.0	201.2	206.2
115°	15.1	50.3	145.8	178.5	183.6
117.5°	17.6	45.3	128.2	158.4	160.9
120°	17.6	37.7	110.6	140.8	143.3
122.5°	17.6	30.2	98.1	125.7	128.2
125°	17.6	25.1	85.5	110.6	113.2
127.5°	15.1	17.6	72.9	98.1	100.6
130°	15.1	15.1	60.4	85.5	90.5
132.5°	15.1	15.1	50.3	75.4	80.5
135°	15.1	15.1	40.2	67.9	70.4
137.5°	15.1	15.1	32.7	57.8	62.9
140°	15.1	15.1	25.1	50.3	52.8
142.5°	17.6	15.1	22.6	42.7	45.3
145°	20.1	15.1	17.6	32.7	37.7
147.5°	20.1	17.6	17.6	27.7	30.2
150°	20.1	20.1	15.1	20.1	25.1
152.5°	20.1	20.1	15.1	15.1	20.1
155°	20.1	20.1	15.1	15.1	15.1
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°	12.6	78.0	211.2	254.0	259.0
110°	12.6	67.9	186.1	226.3	231.3



(END OF REPORT)