

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: P830432

Luminaire Tested: **OHBL-36SE-NL-UNV-L835-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830432
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36SE-NL-UNV-L835-CD
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

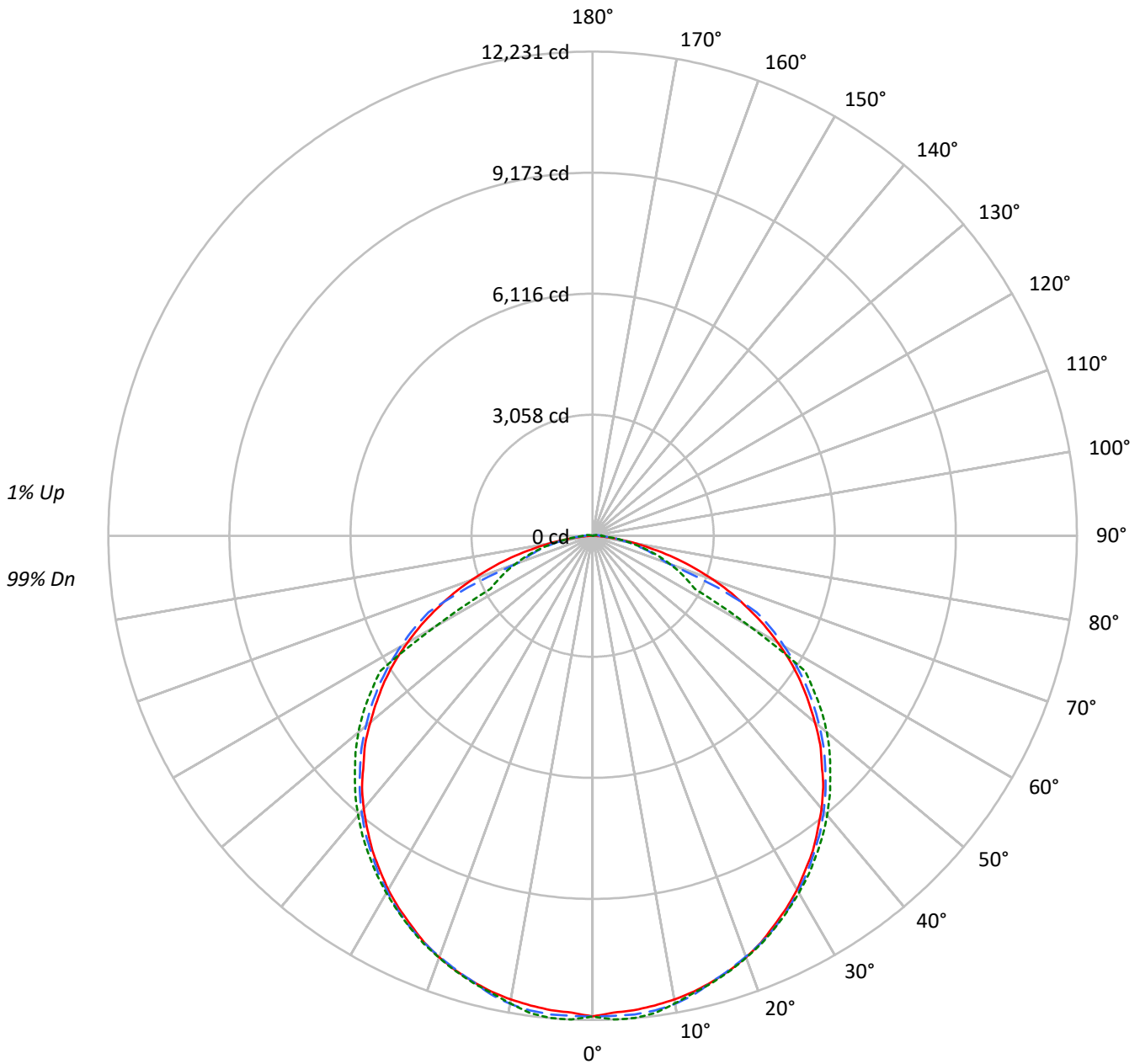
Lumens per Lamp: N/A
Luminaire Lumens: 34089.0 lumens
Efficiency: N/A
Efficacy: 161.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.8' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 211
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	99				99
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86	84				84
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73	71				71
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62	60				60
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53	51				51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44				44
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39				39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34				34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30				30
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27				27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19202	19202	19202
5°	19096	19268	19414
10°	19101	19282	19258
15°	19098	19094	19136
20°	19072	19043	19089
25°	18941	19038	19053
30°	18854	18951	19025
35°	18731	18834	19011
40°	18569	18746	19023
45°	18302	18578	18983
50°	18026	18393	19001
55°	17681	18139	18792
60°	17089	17695	14630
65°	16168	17108	9846
70°	14954	9082	9556
75°	13044	8631	9125
80°	10031	7917	8363
85°	5063	8002	8194



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1153.5	3.4
10°-20°	3302.8	9.7
20°-30°	5025.5	14.7
30°-40°	6110.3	17.9
40°-50°	6424.6	18.8
50°-60°	5866.5	17.2
60°-70°	3760.7	11.0
70°-80°	1776.5	5.2
80°-90°	492.6	1.4
90°-100°	130.5	0.4
100°-110°	35.7	0.1
110°-120°	9.9	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	9481.7	27.8
0°-40°	15592.0	45.7
0°-60°	27883.1	81.8
0°-90°	33912.9	99.5
90°-120°	176.1	0.5
90°-150°	176.1	0.5
90°-180°	176.0	0.5
0°-180°	34089.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12142	12142	12142	12142	12142	
5°	12029	12076	12137	12203	12229	###
15°	11664	11752	11662	11679	11688	3293
25°	10855	10872	10910	10927	10919	5009
35°	9702	9645	9755	9875	9847	6063
45°	8183	8168	8307	8503	8488	6325
55°	6413	6364	6579	6798	6816	5719
65°	4321	4321	4572	2623	2631	4283
75°	2135	2175	1412	1487	1493	2250
85°	279	354	441	477	452	412
90°	0	119	196	232	228	12
95°	6	62	141	190	190	3
105°	11	24	34	34	32	11
115°	11	15	21	15	2	8
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12141.6	12141.6	12141.6	12141.6	12141.6
2.5°	12056.4	12097.0	12141.6	12199.1	12230.9
5°	12028.6	12075.5	12137.3	12203.4	12228.9
7.5°	11969.1	12034.9	12094.7	12141.6	12156.5
10°	11894.4	11973.4	12007.4	12003.1	11992.5
12.5°	11794.3	11877.5	11866.9	11817.7	11826.3
15°	11664.3	11751.6	11662.3	11679.2	11687.8
17.5°	11511.0	11596.2	11491.8	11525.8	11528.1
20°	11332.1	11395.9	11315.0	11342.7	11342.7
22.5°	11116.9	11161.6	11127.5	11146.7	11151.0
25°	10854.8	10871.7	10910.1	10927.2	10918.6
27.5°	10603.5	10582.1	10656.8	10697.1	10675.7
30°	10324.3	10290.2	10377.5	10443.6	10418.1
32.5°	10004.7	9983.5	10083.6	10162.3	10147.5
35°	9702.2	9644.7	9755.4	9874.8	9847.0
37.5°	9344.2	9310.2	9435.8	9561.7	9546.8
40°	8994.8	8937.3	9080.1	9229.2	9214.3
42.5°	8620.0	8551.6	8707.3	8886.4	8869.2
45°	8183.1	8168.2	8306.7	8502.7	8487.8
47.5°	7795.6	7720.9	7914.6	8104.3	8121.5
50°	7326.6	7299.1	7475.9	7706.0	7722.9
52.5°	6868.7	6849.6	7034.7	7267.1	7296.8
55°	6412.6	6363.7	6578.9	6798.4	6815.5
57.5°	5925.0	5873.8	6093.3	6331.9	6368.0
60°	5402.8	5353.9	5594.5	5816.3	4625.3
62.5°	4880.9	4846.8	5098.3	3611.2	2910.4
65°	4320.6	4320.6	4571.9	2622.6	2631.1
67.5°	3796.6	3762.6	3408.9	2356.2	2356.2
70°	3234.1	3246.9	1964.2	2064.5	2066.6
72.5°	2669.5	2716.4	1696.0	1776.7	1781.0
75°	2134.7	2175.3	1412.5	1487.1	1493.4
77.5°	1568.1	1205.8	1135.5	1193.2	1195.2
80°	1101.4	760.6	869.3	924.6	918.3
82.5°	643.3	532.5	637.0	677.6	675.3
85°	279.0	353.7	441.0	477.3	451.6
87.5°	89.3	219.5	274.7	296.2	293.9
90°	0.0	119.3	196.0	232.1	228.0
92.5°	0.0	93.6	170.5	213.2	215.2
95°	6.3	61.8	140.7	189.7	189.7
97.5°	4.3	44.7	100.1	149.1	153.4
100°	4.3	36.1	66.1	106.5	108.7
102.5°	10.6	29.8	40.4	68.1	70.4
105°	10.6	23.5	34.1	34.1	32.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	12.9	17.1	23.5	17.1	2.0
115°	10.6	14.9	21.2	14.9	2.0
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
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°	10.6	21.2	29.8	19.2	6.3
110°	12.9	19.2	25.5	17.1	2.0



(END OF REPORT)