

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: P829484

Luminaire Tested: **OHB-36SE-N-UNV-L835-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829484
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-36SE-N-UNV-L835-CD
Description: 36000 LUMEN OHB SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

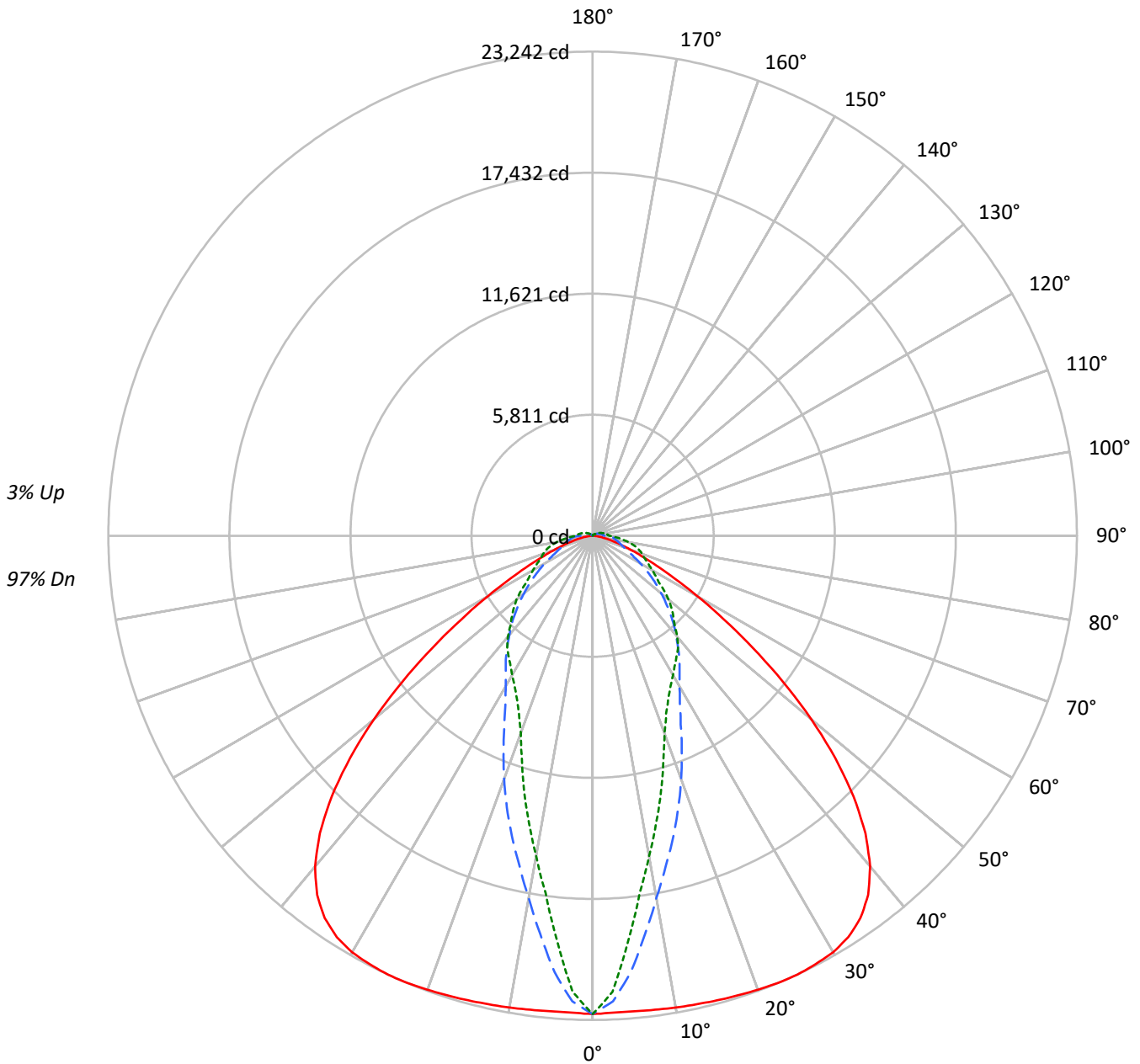
Lumens per Lamp: N/A
Luminaire Lumens: 33886.0 lumens
Efficiency: N/A
Efficacy: 149.9 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 1.93' x H: 0.17')
CIE Type: Direct

Input Watts (W): 226
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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	85	82
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	73	71
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	64	62
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	56	54
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	50	48
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	45	43
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	41	39
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	37	35
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	34	32
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	71016	71016	71016
5°	70612	64535	60168
10°	71146	54245	48277
15°	72264	46293	39650
20°	74006	39057	32091
25°	76253	32254	28138
30°	78545	27719	26159
35°	79797	25196	24943
40°	78016	22694	23685
45°	71340	20442	21950
50°	59766	17992	20625
55°	45031	15691	18379
60°	31226	13384	17625
65°	20718	11449	17293
70°	13884	10647	18195
75°	9365	10840	19523
80°	6143	11764	20237
85°	3242	14176	21510



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1932.7	5.7
10°-20°	4546.6	13.4
20°-30°	5699.1	16.8
30°-40°	6047.4	17.8
40°-50°	5467.8	16.1
50°-60°	3964.5	11.7
60°-70°	2487.9	7.3
70°-80°	1646.4	4.9
80°-90°	948.5	2.8
90°-100°	459.5	1.4
100°-110°	317.2	0.9
110°-120°	195.7	0.6
120°-130°	94.8	0.3
130°-140°	43.6	0.1
140°-150°	23.8	0.1
150°-160°	10.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	12178.4	35.9
0°-40°	18225.8	53.8
0°-60°	27658.1	81.6
0°-90°	32741.0	96.6
90°-120°	972.4	2.9
90°-150°	1134.6	3.3
90°-180°	1145.0	3.4
0°-180°	33886.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22960	22960	22960	22960	22960	
5°	22914	22326	21015	20040	19535	###
15°	23088	18819	14947	13292	12689	6548
25°	23242	14551	10008	8883	8601	10737
35°	22409	9674	7264	7036	7034	13930
45°	17715	6127	5264	5391	5483	13495
55°	9379	3798	3435	3726	3859	8474
65°	3354	2203	1988	2548	2832	3490
75°	1036	1186	1335	2074	2198	1155
85°	181	492	977	1359	1248	217
90°	0	205	566	798	804	12
95°	9	144	498	677	708	8
105°	18	96	363	481	494	18
115°	24	68	245	306	312	24
125°	26	35	125	157	155	23
135°	22	26	55	85	85	17
145°	26	28	33	50	48	16
155°	26	33	35	37	33	8
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°	22959.6	22959.6	22959.6	22959.6	22959.6
2.5°	22911.5	22780.4	22371.8	22122.7	21912.9
5°	22913.7	22325.9	21014.8	20040.2	19535.4
7.5°	22946.5	21639.7	19277.6	17855.0	17300.0
10°	22996.7	20789.7	17656.2	16139.7	15621.8
12.5°	23033.9	19832.6	16229.3	14671.2	14103.1
15°	23088.5	18818.7	14946.6	13292.4	12689.3
17.5°	23138.8	17863.8	13679.2	11950.7	11279.8
20°	23189.0	16834.5	12411.8	10630.8	10078.0
22.5°	23237.1	15748.5	11175.0	9606.0	9228.0
25°	23241.5	14551.0	10008.1	8882.7	8600.8
27.5°	23184.6	13309.9	9061.9	8277.4	8102.6
30°	23086.3	12105.8	8327.7	7840.4	7715.8
32.5°	22841.6	10877.8	7759.5	7418.6	7346.5
35°	22408.9	9673.7	7263.5	7036.2	7034.1
37.5°	21727.1	8605.2	6726.0	6686.6	6734.7
40°	20719.8	7669.9	6216.8	6321.7	6321.7
42.5°	19375.9	6857.1	5755.7	5862.8	5834.4
45°	17715.2	6127.2	5264.1	5390.8	5482.6
47.5°	15790.0	5484.8	4761.5	5006.2	5133.0
50°	13696.6	4872.9	4302.6	4615.1	4759.3
52.5°	11502.7	4307.0	3854.6	4213.0	4328.8
55°	9378.7	3797.8	3435.1	3725.7	3859.0
57.5°	7455.8	3312.7	3024.3	3299.6	3574.9
60°	5801.6	2895.3	2637.5	3030.8	3306.2
62.5°	4431.5	2523.9	2274.8	2779.5	3054.9
65°	3354.2	2202.7	1988.5	2547.9	2832.0
67.5°	2528.2	1925.1	1765.6	2379.6	2657.2
70°	1898.9	1656.4	1586.4	2274.8	2523.9
72.5°	1402.9	1409.4	1444.4	2183.0	2373.1
75°	1035.8	1186.5	1335.1	2073.7	2198.3
77.5°	740.8	983.3	1236.8	1942.6	1986.3
80°	513.5	802.0	1134.1	1770.0	1732.8
82.5°	321.2	642.4	1042.3	1579.9	1477.2
85°	181.4	491.7	976.8	1359.2	1247.7
87.5°	80.9	367.1	854.4	1059.8	989.9
90°	0.0	205.4	566.0	797.6	804.1
92.5°	4.4	170.4	522.3	729.8	751.7
95°	8.7	144.2	498.2	677.4	708.0
97.5°	10.9	126.7	467.6	629.3	655.6
100°	13.1	113.6	430.5	579.1	600.9
102.5°	15.3	104.9	395.5	526.6	544.1
105°	17.5	96.1	362.7	480.7	493.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	21.9	74.3	273.1	345.3	356.2
115°	24.0	67.7	244.7	305.9	312.5
117.5°	26.2	59.0	214.1	268.8	271.0
120°	26.2	52.4	183.6	229.4	229.4
122.5°	26.2	43.7	153.0	190.1	187.9
125°	26.2	35.0	124.6	157.3	155.1
127.5°	24.0	28.4	100.5	131.1	128.9
130°	24.0	28.4	80.9	111.4	111.4
132.5°	21.9	26.2	65.6	96.1	96.1
135°	21.9	26.2	54.6	85.2	85.2
137.5°	21.9	28.4	45.9	74.3	74.3
140°	21.9	26.2	39.3	65.6	65.6
142.5°	24.0	26.2	35.0	56.8	56.8
145°	26.2	28.4	32.8	50.3	48.1
147.5°	26.2	30.6	32.8	43.7	41.5
150°	26.2	32.8	32.8	39.3	37.1
152.5°	26.2	32.8	32.8	37.1	35.0
155°	26.2	32.8	35.0	37.1	32.8
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°	17.5	89.6	332.1	430.5	445.8
110°	19.7	80.9	303.7	384.6	399.9



(END OF REPORT)