

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: P830420

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830420
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: OHBL-36SE-N-UNV-L835-CD
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

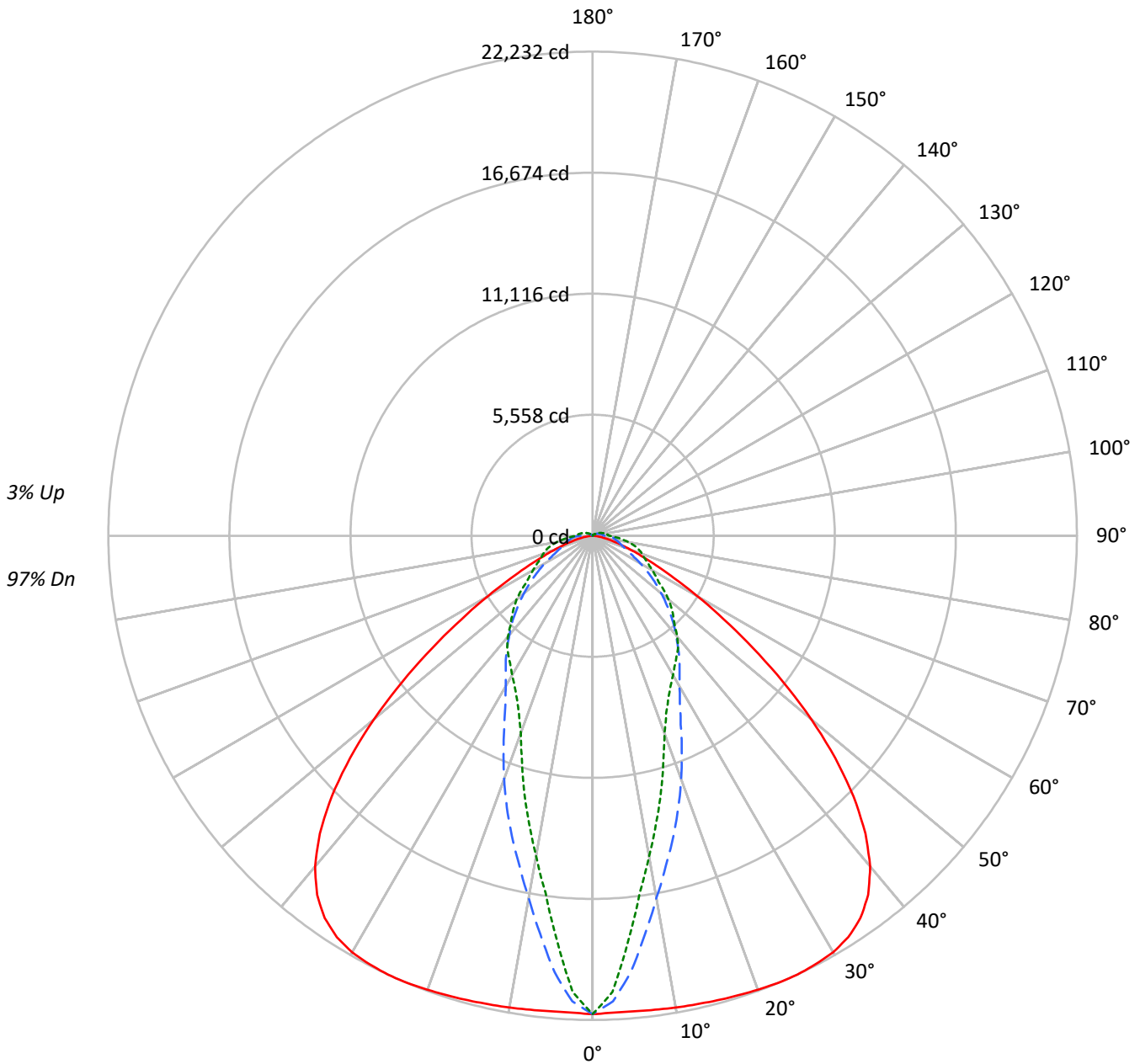
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32414.0 lumens
Efficiency: N/A
Efficacy: 153.6 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 211
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	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°	34733	34733	34733
5°	34662	31644	29427
10°	35053	26667	23611
15°	35738	22817	19392
20°	36742	19302	15695
25°	38012	15985	13762
30°	39326	13778	12794
35°	40145	12564	12199
40°	39458	11356	11584
45°	36299	10269	10735
50°	30626	9080	10088
55°	23271	7961	8989
60°	16308	6835	8620
65°	10969	5896	8458
70°	7491	5544	8899
75°	5199	5735	9549
80°	3579	6381	9898
85°	2093	8054	10520



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1848.8	5.7
10°-20°	4349.1	13.4
20°-30°	5451.5	16.8
30°-40°	5784.7	17.8
40°-50°	5230.3	16.1
50°-60°	3792.3	11.7
60°-70°	2379.8	7.3
70°-80°	1574.9	4.9
80°-90°	907.3	2.8
90°-100°	439.6	1.4
100°-110°	303.4	0.9
110°-120°	187.2	0.6
120°-130°	90.7	0.3
130°-140°	41.7	0.1
140°-150°	22.8	0.1
150°-160°	9.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	11649.4	35.9
0°-40°	17434.1	53.8
0°-60°	26456.7	81.6
0°-90°	31318.7	96.6
90°-120°	930.2	2.9
90°-150°	1085.3	3.3
90°-180°	1095.0	3.4
0°-180°	32414.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21962	21962	21962	21962	21962	
5°	21918	21356	20102	19170	18687	###
15°	22086	18001	14297	12715	12138	6263
25°	22232	13919	9573	8497	8227	10271
35°	21436	9254	6948	6731	6728	13325
45°	16946	5861	5035	5157	5244	12909
55°	8971	3633	3286	3564	3691	8106
65°	3208	2107	1902	2437	2709	3339
75°	991	1135	1277	1984	2103	1104
85°	174	470	934	1300	1194	208
90°	0	196	541	763	769	11
95°	8	138	477	648	677	7
105°	17	92	347	460	472	17
115°	23	65	234	293	299	23
125°	25	33	119	150	148	22
135°	21	25	52	82	82	16
145°	25	27	31	48	46	15
155°	25	31	33	36	31	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°	21962.2	21962.2	21962.2	21962.2	21962.2
2.5°	21916.2	21790.8	21399.9	21161.6	20961.0
5°	21918.3	21356.0	20101.9	19169.6	18686.8
7.5°	21949.7	20699.7	18440.1	17079.4	16548.5
10°	21997.7	19886.6	16889.2	15438.6	14943.2
12.5°	22033.3	18971.1	15524.3	14033.9	13490.4
15°	22085.5	18001.2	14297.3	12715.0	12138.1
17.5°	22133.6	17087.8	13084.9	11431.6	10789.8
20°	22181.7	16103.3	11872.6	10169.0	9640.2
22.5°	22227.7	15064.4	10689.5	9188.7	8827.1
25°	22231.9	13918.9	9573.3	8496.8	8227.2
27.5°	22177.5	12731.7	8668.2	7917.9	7750.6
30°	22083.4	11580.0	7965.9	7499.8	7380.7
32.5°	21849.3	10405.2	7422.5	7096.4	7027.4
35°	21435.5	9253.5	6948.0	6730.6	6728.5
37.5°	20783.3	8231.4	6433.8	6396.2	6442.1
40°	19819.7	7336.8	5946.7	6047.1	6047.1
42.5°	18534.2	6559.2	5505.7	5608.1	5581.0
45°	16945.6	5861.0	5035.4	5156.6	5244.4
47.5°	15104.1	5246.5	4554.6	4788.8	4910.0
50°	13101.7	4661.2	4115.7	4414.6	4552.6
52.5°	11003.1	4119.9	3687.2	4030.0	4140.8
55°	8971.3	3632.8	3285.9	3563.9	3691.4
57.5°	7131.9	3168.8	2892.9	3156.3	3419.6
60°	5549.6	2769.6	2522.9	2899.2	3162.5
62.5°	4239.0	2414.2	2175.9	2658.8	2922.2
65°	3208.5	2107.0	1902.1	2437.2	2709.0
67.5°	2418.4	1841.5	1688.9	2276.3	2541.7
70°	1816.4	1584.4	1517.5	2175.9	2414.2
72.5°	1341.9	1348.2	1381.7	2088.2	2270.0
75°	990.8	1135.0	1277.1	1983.6	2102.8
77.5°	708.6	940.6	1183.1	1858.2	1900.0
80°	491.2	767.1	1084.8	1693.1	1657.6
82.5°	307.3	614.5	997.0	1511.2	1413.0
85°	173.5	470.3	934.3	1300.1	1193.5
87.5°	77.3	351.2	817.3	1013.8	946.9
90°	0.0	196.5	541.4	762.9	769.2
92.5°	4.2	163.0	499.6	698.1	719.0
95°	8.4	138.0	476.6	648.0	677.2
97.5°	10.5	121.2	447.3	602.0	627.1
100°	12.5	108.7	411.8	553.9	574.8
102.5°	14.6	100.3	378.3	503.7	520.5
105°	16.7	92.0	347.0	459.9	472.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	20.9	71.1	261.3	330.3	340.7
115°	23.0	64.8	234.1	292.6	298.9
117.5°	25.1	56.4	204.8	257.1	259.2
120°	25.1	50.2	175.6	219.5	219.5
122.5°	25.1	41.8	146.3	181.9	179.8
125°	25.1	33.4	119.1	150.5	148.4
127.5°	23.0	27.2	96.2	125.4	123.3
130°	23.0	27.2	77.3	106.6	106.6
132.5°	20.9	25.1	62.7	92.0	92.0
135°	20.9	25.1	52.3	81.5	81.5
137.5°	20.9	27.2	43.9	71.1	71.1
140°	20.9	25.1	37.6	62.7	62.7
142.5°	23.0	25.1	33.4	54.3	54.3
145°	25.1	27.2	31.4	48.1	46.0
147.5°	25.1	29.3	31.4	41.8	39.7
150°	25.1	31.4	31.4	37.6	35.5
152.5°	25.1	31.4	31.4	35.5	33.4
155°	25.1	31.4	33.4	35.5	31.4
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°	16.7	85.7	317.7	411.8	426.4
110°	18.8	77.3	290.5	367.9	382.5



(END OF REPORT)