

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: P830424

Luminaire Tested: **OHBL-36SE-N-UNV-L935-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830424
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-L935-CD
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

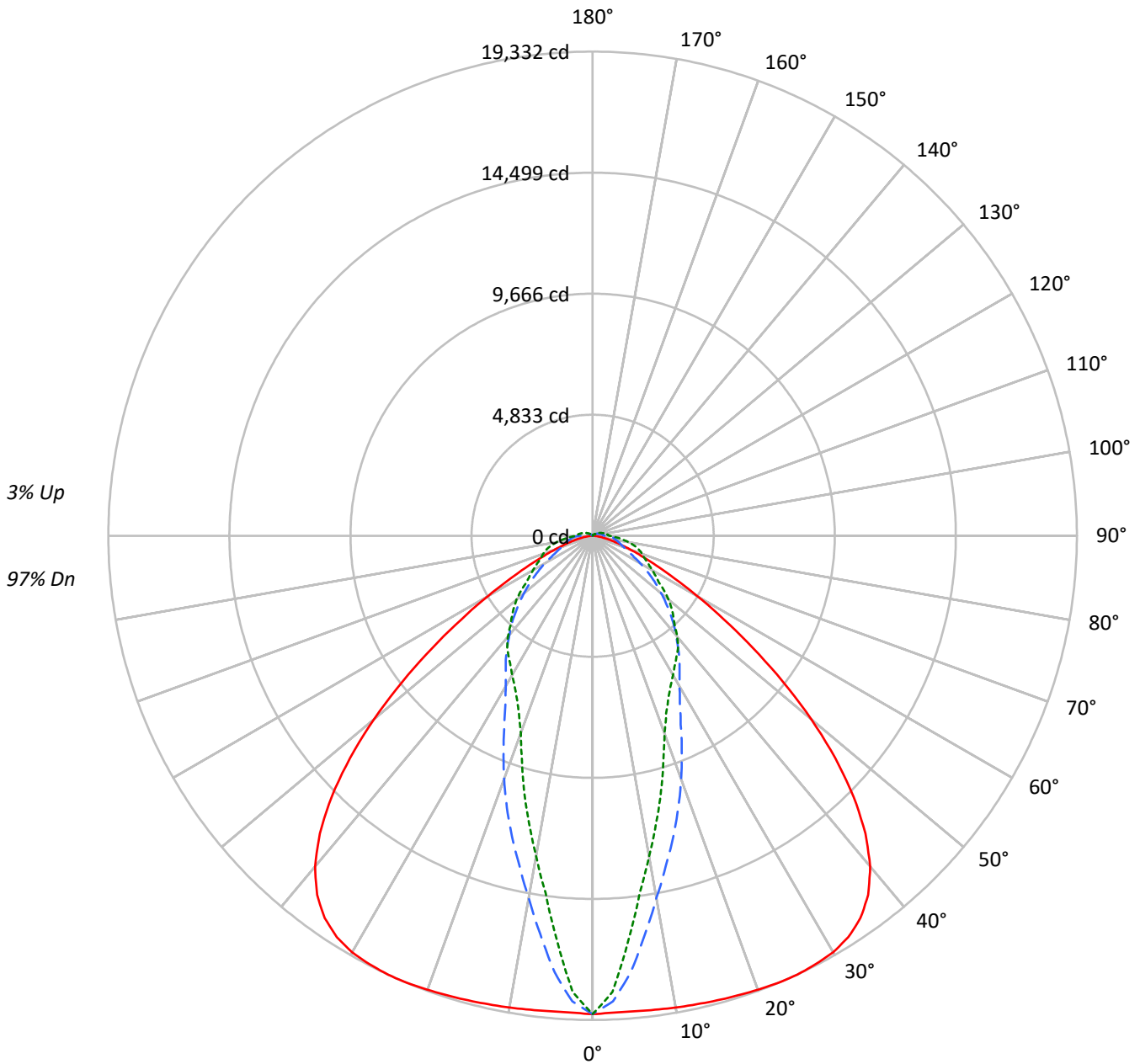
Lumens per Lamp: N/A
Luminaire Lumens: 28186.0 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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					
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	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	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	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	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	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	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	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	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	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	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	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	32	32	32	30		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30202	30202	30202
5°	30141	27517	25589
10°	30481	23189	20531
15°	31076	19841	16863
20°	31949	16784	13648
25°	33054	13900	11967
30°	34197	11981	11125
35°	34908	10925	10608
40°	34311	9875	10073
45°	31565	8930	9335
50°	26631	7896	8772
55°	20235	6923	7817
60°	14181	5944	7496
65°	9539	5127	7354
70°	6514	4821	7738
75°	4520	4987	8303
80°	3112	5549	8607
85°	1821	7004	9148



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1607.6	5.7
10°-20°	3781.8	13.4
20°-30°	4740.5	16.8
30°-40°	5030.2	17.8
40°-50°	4548.1	16.1
50°-60°	3297.6	11.7
60°-70°	2069.4	7.3
70°-80°	1369.5	4.9
80°-90°	789.0	2.8
90°-100°	382.2	1.4
100°-110°	263.8	0.9
110°-120°	162.8	0.6
120°-130°	78.8	0.3
130°-140°	36.3	0.1
140°-150°	19.8	0.1
150°-160°	8.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	10129.9	35.9
0°-40°	15160.0	53.8
0°-60°	23005.7	81.6
0°-90°	27233.6	96.6
90°-120°	808.9	2.9
90°-150°	943.8	3.3
90°-180°	952.0	3.4
0°-180°	28186.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19098	19098	19098	19098	19098	
5°	19059	18570	17480	16669	16249	###
15°	19205	15653	12432	11056	10555	5446
25°	19332	12103	8325	7388	7154	8931
35°	18640	8046	6042	5853	5851	11587
45°	14735	5096	4379	4484	4560	11225
55°	7801	3159	2857	3099	3210	7049
65°	2790	1832	1654	2119	2356	2903
75°	862	987	1111	1725	1828	960
85°	151	409	812	1130	1038	181
90°	0	171	471	663	669	10
95°	7	120	414	564	589	6
105°	14	80	302	400	411	15
115°	20	56	204	254	260	20
125°	22	29	104	131	129	19
135°	18	22	45	71	71	14
145°	22	24	27	42	40	13
155°	22	27	29	31	27	7
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°	19097.5	19097.5	19097.5	19097.5	19097.5
2.5°	19057.5	18948.5	18608.6	18401.4	18226.9
5°	19059.3	18570.4	17479.9	16669.2	16249.3
7.5°	19086.6	17999.7	16034.9	14851.6	14389.9
10°	19128.4	17292.6	14686.2	13424.8	12994.0
12.5°	19159.3	16496.5	13499.3	12203.4	11730.8
15°	19204.8	15653.2	12432.4	11056.5	10554.8
17.5°	19246.6	14858.9	11378.2	9940.5	9382.4
20°	19288.4	14002.8	10324.0	8842.6	8382.8
22.5°	19328.4	13099.4	9295.2	7990.2	7675.7
25°	19332.0	12103.4	8324.6	7388.5	7154.1
27.5°	19284.7	11071.0	7537.6	6885.1	6739.7
30°	19202.9	10069.5	6926.9	6521.5	6417.9
32.5°	18999.4	9048.0	6454.3	6170.8	6110.8
35°	18639.5	8046.5	6041.7	5852.7	5850.9
37.5°	18072.4	7157.7	5594.6	5561.9	5601.8
40°	17234.5	6379.8	5171.1	5258.3	5258.3
42.5°	16116.7	5703.6	4787.6	4876.6	4853.0
45°	14735.3	5096.5	4378.6	4484.0	4560.4
47.5°	13134.0	4562.2	3960.5	4164.1	4269.5
50°	11392.7	4053.2	3578.9	3838.8	3958.7
52.5°	9567.8	3582.5	3206.2	3504.3	3600.7
55°	7801.1	3159.0	2857.3	3099.0	3209.9
57.5°	6201.6	2755.5	2515.6	2744.6	2973.6
60°	4825.7	2408.3	2193.8	2521.0	2750.0
62.5°	3686.1	2099.3	1892.1	2312.0	2541.0
65°	2790.0	1832.1	1654.0	2119.3	2355.6
67.5°	2103.0	1601.3	1468.6	1979.4	2210.2
70°	1579.5	1377.7	1319.6	1892.1	2099.3
72.5°	1166.9	1172.4	1201.4	1815.8	1973.9
75°	861.5	987.0	1110.6	1724.9	1828.5
77.5°	616.2	817.9	1028.8	1615.8	1652.2
80°	427.1	667.1	943.3	1472.3	1441.4
82.5°	267.2	534.4	867.0	1314.1	1228.7
85°	150.9	409.0	812.5	1130.5	1037.8
87.5°	67.3	305.4	710.7	881.5	823.4
90°	0.0	170.9	470.8	663.4	668.9
92.5°	3.6	141.8	434.4	607.1	625.3
95°	7.3	120.0	414.4	563.5	588.9
97.5°	9.1	105.4	389.0	523.5	545.3
100°	10.9	94.5	358.1	481.7	499.8
102.5°	12.7	87.2	329.0	438.0	452.6
105°	14.5	80.0	301.7	399.9	410.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	18.2	61.8	227.2	287.2	296.3
115°	20.0	56.3	203.6	254.5	259.9
117.5°	21.8	49.1	178.1	223.6	225.4
120°	21.8	43.6	152.7	190.8	190.8
122.5°	21.8	36.4	127.2	158.1	156.3
125°	21.8	29.1	103.6	130.9	129.0
127.5°	20.0	23.6	83.6	109.1	107.2
130°	20.0	23.6	67.3	92.7	92.7
132.5°	18.2	21.8	54.5	80.0	80.0
135°	18.2	21.8	45.4	70.9	70.9
137.5°	18.2	23.6	38.2	61.8	61.8
140°	18.2	21.8	32.7	54.5	54.5
142.5°	20.0	21.8	29.1	47.3	47.3
145°	21.8	23.6	27.3	41.8	40.0
147.5°	21.8	25.4	27.3	36.4	34.5
150°	21.8	27.3	27.3	32.7	30.9
152.5°	21.8	27.3	27.3	30.9	29.1
155°	21.8	27.3	29.1	30.9	27.3
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°	14.5	74.5	276.3	358.1	370.8
110°	16.4	67.3	252.6	319.9	332.6



(END OF REPORT)