

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: P830425

Luminaire Tested: **OHBL-36SE-N-UNV-L940-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830425
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-L940-CD
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

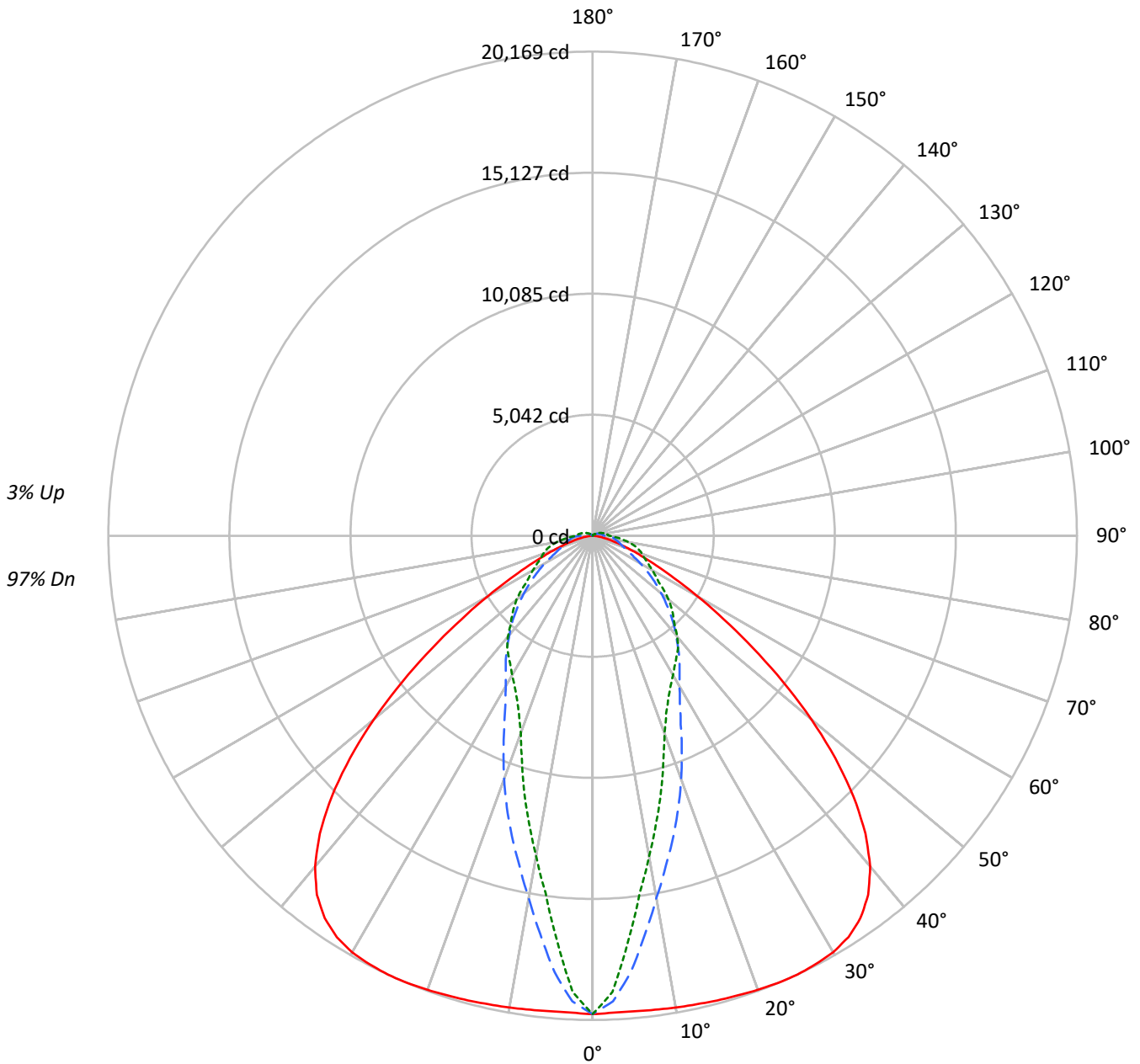
Lumens per Lamp: N/A
Luminaire Lumens: 29407.0 lumens
Efficiency: N/A
Efficacy: 139.4 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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	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°	31511	31511	31511
5°	31446	28709	26697
10°	31801	24193	21421
15°	32422	20701	17593
20°	33333	17512	14239
25°	34486	14502	12485
30°	35678	12500	11607
35°	36420	11398	11067
40°	35797	10302	10509
45°	32932	9317	9739
50°	27784	8238	9152
55°	21112	7222	8155
60°	14795	6201	7821
65°	9952	5349	7673
70°	6797	5030	8074
75°	4717	5203	8663
80°	3247	5790	8979
85°	1899	7308	9545



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1677.3	5.7
10°-20°	3945.6	13.4
20°-30°	4945.8	16.8
30°-40°	5248.1	17.8
40°-50°	4745.1	16.1
50°-60°	3440.5	11.7
60°-70°	2159.1	7.3
70°-80°	1428.8	4.9
80°-90°	823.2	2.8
90°-100°	398.8	1.4
100°-110°	275.2	0.9
110°-120°	169.8	0.6
120°-130°	82.3	0.3
130°-140°	37.8	0.1
140°-150°	20.7	0.1
150°-160°	9.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
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0°-30°	10568.7	35.9
0°-40°	15816.8	53.8
0°-60°	24002.3	81.6
0°-90°	28413.4	96.6
90°-120°	843.9	2.9
90°-150°	984.7	3.3
90°-180°	994.0	3.4
0°-180°	29407.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19925	19925	19925	19925	19925	
5°	19885	19375	18237	17391	16953	###
15°	20037	16331	12971	11535	11012	5682
25°	20169	12628	8685	7709	7464	9318
35°	19447	8395	6303	6106	6104	12089
45°	15374	5317	4568	4678	4758	11712
55°	8139	3296	2981	3233	3349	7354
65°	2911	1912	1726	2211	2458	3029
75°	899	1030	1159	1800	1908	1002
85°	157	427	848	1180	1083	189
90°	0	178	491	692	698	10
95°	8	125	432	588	614	7
105°	15	83	315	417	429	15
115°	21	59	212	266	271	20
125°	23	30	108	136	135	20
135°	19	23	47	74	74	15
145°	23	25	28	44	42	14
155°	23	28	30	32	28	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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CATALOG NUMBER: OHBL-36SE-N-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19924.8	19924.8	19924.8	19924.8	19924.8
2.5°	19883.1	19769.3	19414.7	19198.5	19016.5
5°	19885.0	19374.9	18237.1	17391.3	16953.3
7.5°	19913.4	18779.4	16729.5	15495.0	15013.3
10°	19957.0	18041.7	15322.4	14006.3	13556.9
12.5°	19989.3	17211.2	14084.1	12732.0	12239.0
15°	20036.7	16331.3	12970.9	11535.4	11012.0
17.5°	20080.3	15502.6	11871.1	10371.1	9788.9
20°	20123.9	14609.4	10771.2	9225.7	8745.9
22.5°	20165.6	13666.9	9697.9	8336.3	8008.2
25°	20169.4	12627.7	8685.2	7708.6	7464.0
27.5°	20120.1	11550.6	7864.1	7183.3	7031.6
30°	20034.8	10505.7	7226.9	6804.1	6696.0
32.5°	19822.4	9440.0	6733.9	6438.1	6375.5
35°	19446.9	8395.1	6303.4	6106.2	6104.3
37.5°	18855.3	7467.8	5836.9	5802.8	5844.5
40°	17981.1	6656.1	5395.1	5486.1	5486.1
42.5°	16814.8	5950.7	4995.0	5087.9	5063.2
45°	15373.6	5317.3	4568.3	4678.3	4757.9
47.5°	13702.9	4759.8	4132.1	4344.5	4454.5
50°	11886.2	4228.8	3733.9	4005.1	4130.2
52.5°	9982.3	3737.7	3345.1	3656.1	3756.6
55°	8139.1	3295.8	2981.0	3233.3	3348.9
57.5°	6470.3	2874.8	2624.5	2863.5	3102.4
60°	5034.8	2512.6	2288.9	2630.2	2869.2
62.5°	3845.8	2190.3	1974.1	2412.1	2651.1
65°	2910.9	1911.5	1725.7	2211.1	2457.7
67.5°	2194.1	1670.7	1532.2	2065.1	2305.9
70°	1647.9	1437.4	1376.7	1974.1	2190.3
72.5°	1217.4	1223.1	1253.5	1894.4	2059.4
75°	898.9	1029.7	1158.7	1799.6	1907.7
77.5°	642.9	853.4	1073.3	1685.8	1723.8
80°	445.6	696.0	984.2	1536.0	1503.8
82.5°	278.8	557.5	904.6	1371.1	1281.9
85°	157.4	426.7	847.7	1179.5	1082.8
87.5°	70.2	318.6	741.5	919.7	859.0
90°	0.0	178.3	491.2	692.2	697.9
92.5°	3.8	147.9	453.2	633.4	652.3
95°	7.6	125.2	432.4	587.9	614.4
97.5°	9.5	110.0	405.8	546.1	568.9
100°	11.4	98.6	373.6	502.5	521.5
102.5°	13.3	91.0	343.2	457.0	472.2
105°	15.2	83.4	314.8	417.2	428.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	19.0	64.5	237.0	299.6	309.1
115°	20.9	58.8	212.4	265.5	271.2
117.5°	22.8	51.2	185.8	233.2	235.1
120°	22.8	45.5	159.3	199.1	199.1
122.5°	22.8	37.9	132.7	165.0	163.1
125°	22.8	30.3	108.1	136.5	134.6
127.5°	20.9	24.7	87.2	113.8	111.9
130°	20.9	24.7	70.2	96.7	96.7
132.5°	19.0	22.8	56.9	83.4	83.4
135°	19.0	22.8	47.4	74.0	74.0
137.5°	19.0	24.7	39.8	64.5	64.5
140°	19.0	22.8	34.1	56.9	56.9
142.5°	20.9	22.8	30.3	49.3	49.3
145°	22.8	24.7	28.4	43.6	41.7
147.5°	22.8	26.5	28.4	37.9	36.0
150°	22.8	28.4	28.4	34.1	32.2
152.5°	22.8	28.4	28.4	32.2	30.3
155°	22.8	28.4	30.3	32.2	28.4
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°	15.2	77.7	288.2	373.6	386.9
110°	17.1	70.2	263.6	333.8	347.0



(END OF REPORT)