

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: P830416

Luminaire Tested: **OHBL-36SE-N-UNV-L735-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830416
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-L735-CD
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

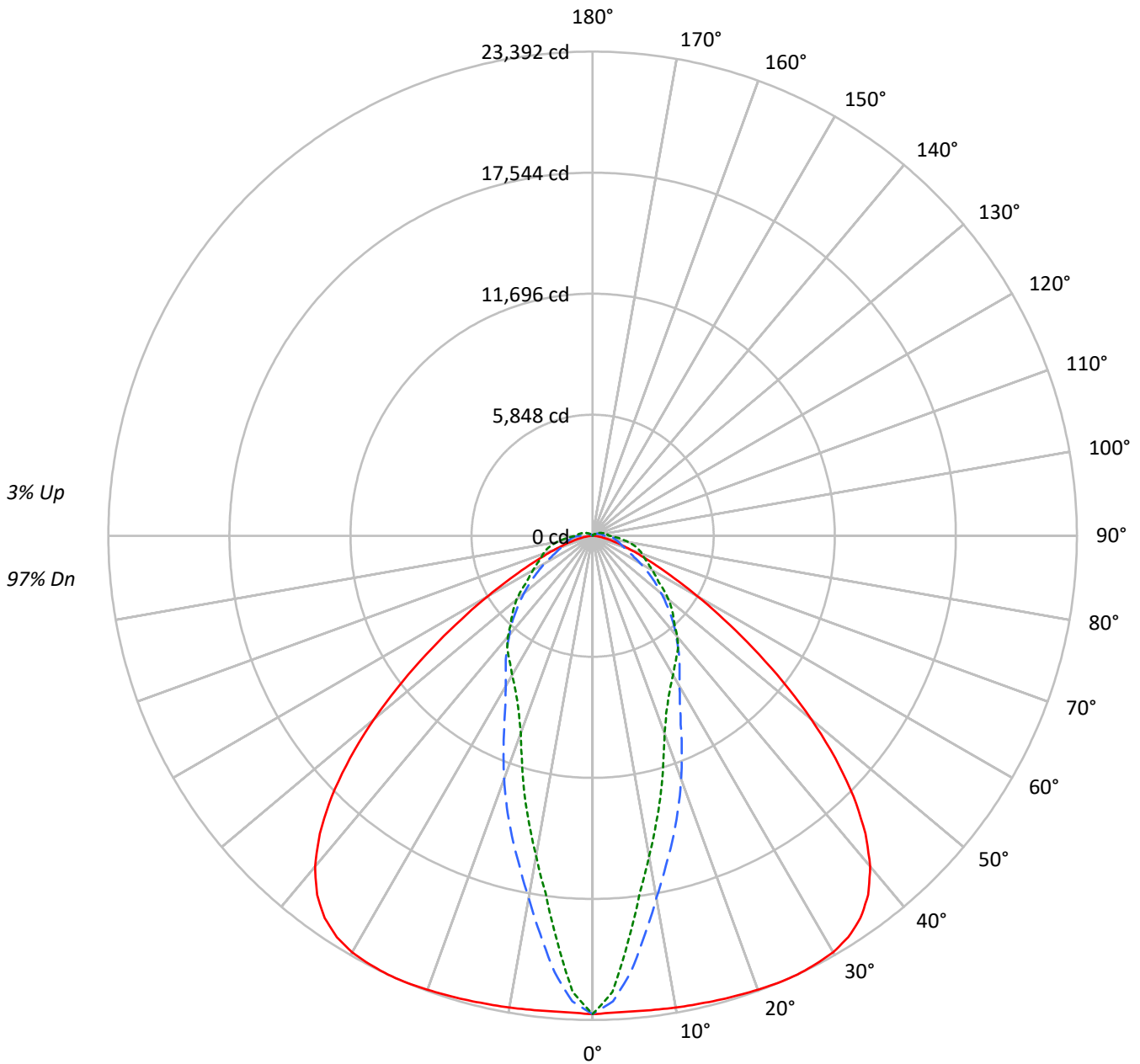
Lumens per Lamp: N/A
Luminaire Lumens: 34105.1 lumens
Efficiency: N/A
Efficacy: 161.6 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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	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°	36545	36545	36545
5°	36470	33295	30962
10°	36882	28059	24843
15°	37602	24008	20404
20°	38658	20309	16514
25°	39995	16819	14480
30°	41378	14497	13461
35°	42239	13219	12836
40°	41516	11948	12188
45°	38193	10805	11295
50°	32223	9554	10614
55°	24485	8376	9458
60°	17159	7192	9070
65°	11542	6204	8899
70°	7882	5834	9363
75°	5470	6034	10047
80°	3765	6714	10414
85°	2202	8475	11069



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1945.2	5.7
10°-20°	4576.0	13.4
20°-30°	5735.9	16.8
30°-40°	6086.5	17.8
40°-50°	5503.2	16.1
50°-60°	3990.1	11.7
60°-70°	2504.0	7.3
70°-80°	1657.1	4.9
80°-90°	954.6	2.8
90°-100°	462.5	1.4
100°-110°	319.2	0.9
110°-120°	197.0	0.6
120°-130°	95.4	0.3
130°-140°	43.9	0.1
140°-150°	24.0	0.1
150°-160°	10.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	12257.1	35.9
0°-40°	18343.6	53.8
0°-60°	27836.9	81.6
0°-90°	32952.6	96.6
90°-120°	978.7	2.9
90°-150°	1142.0	3.3
90°-180°	1152.0	3.4
0°-180°	34105.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23108	23108	23108	23108	23108	
5°	23062	22470	21151	20170	19662	###
15°	23238	18940	15043	13378	12771	6590
25°	23392	14645	10073	8940	8656	10807
35°	22554	9736	7310	7082	7080	14021
45°	17830	6167	5298	5426	5518	13583
55°	9439	3822	3457	3750	3884	8529
65°	3376	2217	2001	2564	2850	3513
75°	1042	1194	1344	2087	2212	1162
85°	182	495	983	1368	1256	219
90°	0	207	570	803	809	12
95°	9	145	501	682	713	8
105°	18	97	365	484	497	18
115°	24	68	246	308	314	24
125°	26	35	125	158	156	23
135°	22	26	55	86	86	17
145°	26	29	33	51	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	



TEST NUMBER: P830416

CATALOG NUMBER: OHBL-36SE-N-UNV-L735-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	23108.0	23108.0	23108.0	23108.0	23108.0
2.5°	23059.6	22927.6	22516.3	22265.6	22054.5
5°	23061.8	22470.2	21150.6	20169.7	19661.7
7.5°	23094.8	21779.6	19402.2	17970.4	17411.8
10°	23145.3	20924.1	17770.3	16244.0	15722.7
12.5°	23182.7	19960.8	16334.1	14766.0	14194.2
15°	23237.7	18940.3	15043.2	13378.3	12771.3
17.5°	23288.3	17979.2	13767.6	12027.9	11352.7
20°	23338.9	16943.3	12492.0	10699.6	10143.1
22.5°	23387.3	15850.3	11247.2	9668.1	9287.6
25°	23391.7	14645.1	10072.8	8940.1	8656.4
27.5°	23334.5	13395.9	9120.5	8330.9	8155.0
30°	23235.5	12184.1	8381.5	7891.1	7765.7
32.5°	22989.2	10948.1	7809.7	7466.6	7394.0
35°	22553.7	9736.3	7310.4	7081.7	7079.5
37.5°	21867.6	8660.8	6769.4	6729.8	6778.2
40°	20853.7	7719.5	6257.0	6362.6	6362.6
42.5°	19501.1	6901.4	5792.9	5900.7	5872.1
45°	17829.7	6166.8	5298.1	5425.7	5518.0
47.5°	15892.1	5520.2	4792.3	5038.6	5166.1
50°	13785.2	4904.4	4330.4	4644.9	4790.1
52.5°	11577.1	4334.8	3879.6	4240.2	4356.8
55°	9439.4	3822.4	3457.3	3749.8	3883.9
57.5°	7504.0	3334.1	3043.8	3320.9	3598.0
60°	5839.1	2914.1	2654.5	3050.4	3327.5
62.5°	4460.2	2540.2	2289.5	2797.5	3074.6
65°	3375.9	2216.9	2001.4	2564.4	2850.3
67.5°	2544.6	1937.6	1777.0	2395.0	2674.3
70°	1911.2	1667.1	1596.7	2289.5	2540.2
72.5°	1411.9	1418.5	1453.7	2197.1	2388.4
75°	1042.5	1194.2	1343.8	2087.1	2212.5
77.5°	745.6	989.7	1244.8	1955.2	1999.2
80°	516.8	807.1	1141.4	1781.4	1744.0
82.5°	323.3	646.6	1049.1	1590.1	1486.7
85°	182.5	494.8	983.1	1368.0	1255.8
87.5°	81.4	369.5	859.9	1066.7	996.3
90°	0.0	206.7	569.6	802.7	809.3
92.5°	4.4	171.5	525.6	734.6	756.6
95°	8.8	145.2	501.4	681.8	712.6
97.5°	11.0	127.6	470.6	633.4	659.8
100°	13.2	114.4	433.3	582.8	604.8
102.5°	15.4	105.6	398.1	530.0	547.6
105°	17.6	96.8	365.1	483.8	497.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	22.0	74.8	274.9	347.5	358.5
115°	24.2	68.2	246.3	307.9	314.5
117.5°	26.4	59.4	215.5	270.5	272.7
120°	26.4	52.8	184.7	230.9	230.9
122.5°	26.4	44.0	154.0	191.3	189.1
125°	26.4	35.2	125.4	158.3	156.1
127.5°	24.2	28.6	101.2	132.0	129.8
130°	24.2	28.6	81.4	112.2	112.2
132.5°	22.0	26.4	66.0	96.8	96.8
135°	22.0	26.4	55.0	85.8	85.8
137.5°	22.0	28.6	46.2	74.8	74.8
140°	22.0	26.4	39.6	66.0	66.0
142.5°	24.2	26.4	35.2	57.2	57.2
145°	26.4	28.6	33.0	50.6	48.4
147.5°	26.4	30.8	33.0	44.0	41.8
150°	26.4	33.0	33.0	39.6	37.4
152.5°	26.4	33.0	33.0	37.4	35.2
155°	26.4	33.0	35.2	37.4	33.0
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°	17.6	90.2	334.3	433.3	448.7
110°	19.8	81.4	305.7	387.1	402.5



(END OF REPORT)