

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: P830445

Luminaire Tested: **OHBL-36SE-W-UNV-L840-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830445
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36SE-W-UNV-L840-CD
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 4000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

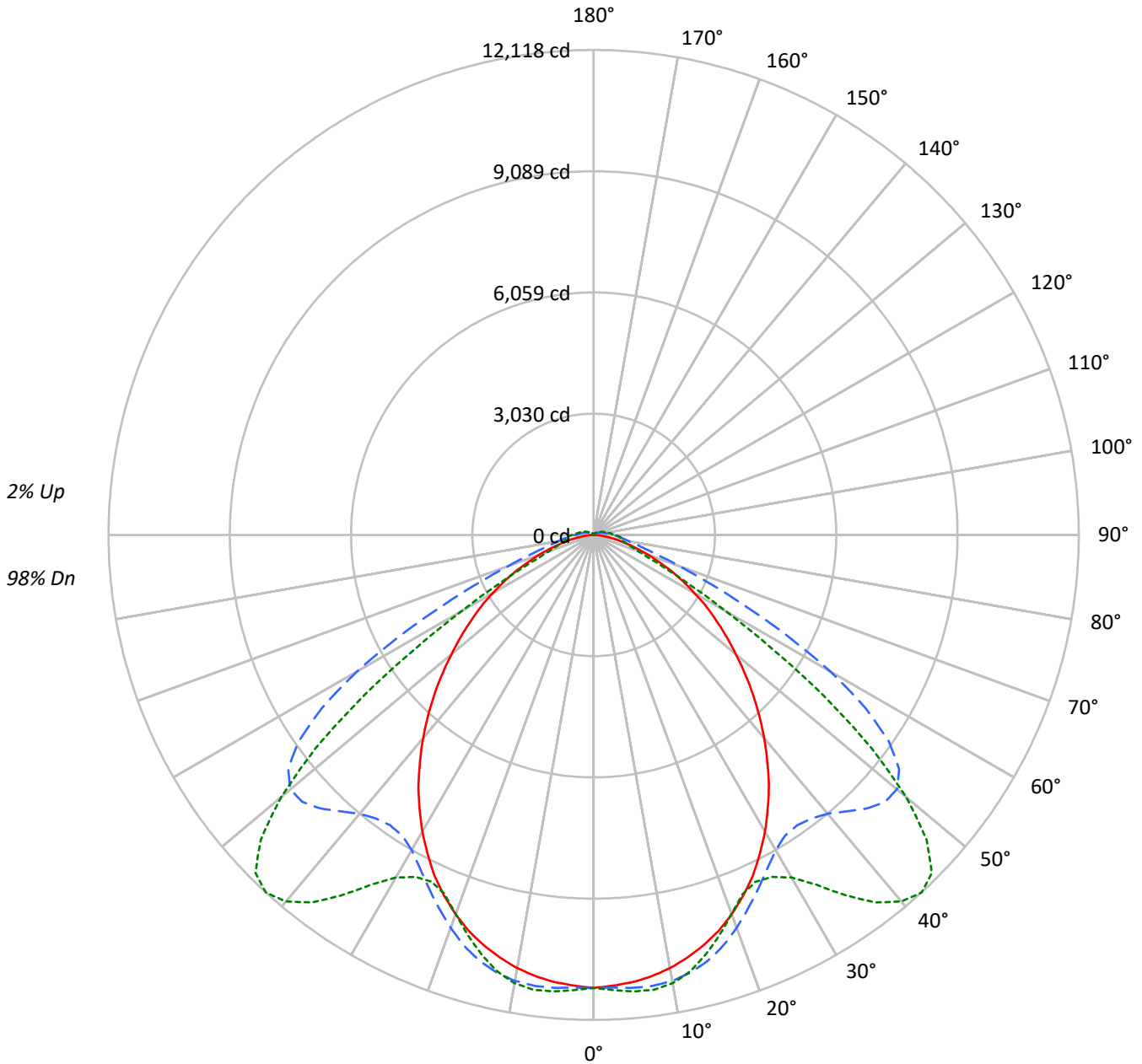
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33893.1 lumens
Efficiency: N/A
Efficacy: 160.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	100	100	100	98
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	85	85	85	83
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	72	72	72	70
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	61	61	61	59
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	52	52	52	50
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	45	45	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	40	40	40	38
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	35	35	35	33
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	31	31	31	29
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	28	28	28	26
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	25	25	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17902	17902	17902
5°	17735	17885	18030
10°	17512	17866	17975
15°	17171	17578	17324
20°	16703	16982	16402
25°	16077	16258	15997
30°	15243	15722	17129
35°	14293	16022	19934
40°	13191	17363	22905
45°	12038	19708	24451
50°	10835	21811	22571
55°	9705	21804	17080
60°	8554	18467	10318
65°	7339	12770	6153
70°	5963	8271	4348
75°	4536	5944	3904
80°	3256	5244	4171
85°	2210	5810	5877



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1081.7	3.2
10°-20°	3063.1	9.0
20°-30°	4482.3	13.2
30°-40°	5821.2	17.2
40°-50°	7108.5	21.0
50°-60°	6260.1	18.5
60°-70°	3262.2	9.6
70°-80°	1398.9	4.1
80°-90°	671.8	2.0
90°-100°	315.7	0.9
100°-110°	196.2	0.6
110°-120°	116.0	0.3
120°-130°	63.0	0.2
130°-140°	31.7	0.1
140°-150°	15.2	0.0
150°-160°	5.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	8627.2	25.5
0°-40°	14448.4	42.6
0°-60°	27817.0	82.1
0°-90°	33150.0	97.8
90°-120°	627.8	1.9
90°-150°	737.8	2.2
90°-180°	743.0	2.2
0°-180°	33893.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11320	11320	11320	11320	11320	
5°	11215	11300	11361	11461	11449	###
15°	10611	10909	11014	10931	10843	2988
25°	9402	9906	9737	9554	9564	4315
35°	7632	8438	8860	10333	10995	4757
45°	5620	7070	9664	11701	11945	4333
55°	3742	6193	9000	7891	7014	3358
65°	2147	4291	4120	2291	1971	2124
75°	864	2008	1324	906	860	943
85°	183	716	674	659	667	204
90°	2	259	444	508	520	13
95°	5	151	354	415	427	4
105°	10	86	230	276	281	10
115°	15	49	142	173	178	15
125°	17	24	83	108	110	15
135°	15	15	39	66	68	11
145°	20	15	17	32	37	11
155°	20	20	15	15	15	6
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°	11319.6	11319.6	11319.6	11319.6	11319.6
2.5°	11270.8	11319.6	11322.1	11390.5	11383.1
5°	11214.6	11300.1	11361.2	11461.3	11449.1
7.5°	11121.8	11256.1	11363.6	11473.5	11463.7
10°	10989.9	11173.1	11314.8	11405.1	11375.8
12.5°	10819.0	11060.8	11200.0	11219.5	11163.3
15°	10611.4	10909.4	11014.4	10931.3	10843.4
17.5°	10377.0	10726.2	10762.8	10582.1	10472.2
20°	10083.9	10482.0	10445.3	10196.2	10074.1
22.5°	9759.1	10213.3	10096.1	9834.8	9717.6
25°	9402.5	9905.6	9737.1	9553.9	9563.7
27.5°	8984.9	9556.4	9392.7	9475.8	9632.1
30°	8559.9	9190.0	9089.9	9573.5	9881.2
32.5°	8093.5	8813.9	8904.3	9859.2	10362.3
35°	7631.9	8437.8	8860.3	10333.0	10994.8
37.5°	7121.5	8056.9	8931.2	10880.0	11573.6
40°	6625.7	7685.6	9092.3	11370.9	11957.1
42.5°	6120.2	7353.5	9363.4	11661.6	12118.2
45°	5619.5	7070.2	9663.8	11700.6	11944.8
47.5°	5118.9	6830.9	9871.4	11390.5	11278.1
50°	4635.3	6618.4	9886.1	10645.6	10186.5
52.5°	4183.5	6423.0	9617.4	9458.7	8745.6
55°	3741.5	6193.4	8999.5	7890.8	7014.0
57.5°	3338.5	5876.0	8047.1	6205.7	5248.3
60°	2911.1	5446.1	6816.2	4540.1	3785.4
62.5°	2517.9	4911.3	5436.4	3160.2	2720.6
65°	2146.7	4291.0	4120.0	2290.8	1970.9
67.5°	1753.5	3648.7	3040.6	1670.5	1465.3
70°	1445.8	3052.8	2263.9	1299.3	1179.6
72.5°	1130.7	2486.2	1692.5	1055.0	989.1
75°	864.5	2007.5	1323.7	906.1	859.7
77.5°	637.4	1587.4	1064.8	801.0	757.1
80°	446.9	1250.4	891.4	715.6	698.5
82.5°	300.4	967.1	759.5	681.4	683.8
85°	183.2	715.6	674.0	659.4	666.7
87.5°	87.9	508.0	578.8	600.8	608.1
90°	2.4	258.9	444.5	508.0	520.2
92.5°	0.0	197.8	390.8	454.3	466.5
95°	4.9	151.4	354.1	415.2	427.4
97.5°	4.9	124.6	317.5	381.0	388.3
100°	7.3	107.5	283.3	344.4	351.7
102.5°	7.3	95.2	254.0	307.7	312.6
105°	9.8	85.5	229.6	276.0	280.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	14.7	58.6	161.2	195.4	200.3
115°	14.7	48.8	141.6	173.4	178.3
117.5°	17.1	44.0	124.6	153.9	156.3
120°	17.1	36.6	107.5	136.8	139.2
122.5°	17.1	29.3	95.2	122.1	124.6
125°	17.1	24.4	83.0	107.5	109.9
127.5°	14.7	17.1	70.8	95.2	97.7
130°	14.7	14.7	58.6	83.0	87.9
132.5°	14.7	14.7	48.8	73.3	78.2
135°	14.7	14.7	39.1	65.9	68.4
137.5°	14.7	14.7	31.7	56.2	61.1
140°	14.7	14.7	24.4	48.8	51.3
142.5°	17.1	14.7	22.0	41.5	44.0
145°	19.5	14.7	17.1	31.7	36.6
147.5°	19.5	17.1	17.1	26.9	29.3
150°	19.5	19.5	14.7	19.5	24.4
152.5°	19.5	19.5	14.7	14.7	19.5
155°	19.5	19.5	14.7	14.7	14.7
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°	12.2	75.7	205.1	246.7	251.5
110°	12.2	65.9	180.7	219.8	224.7



(END OF REPORT)