

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: P830408

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830408  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-36SE-MFL-UNV-L835-CD  
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND MEDIUM FROSTED LENS  
Light Source: -  
Ballast/Driver: -

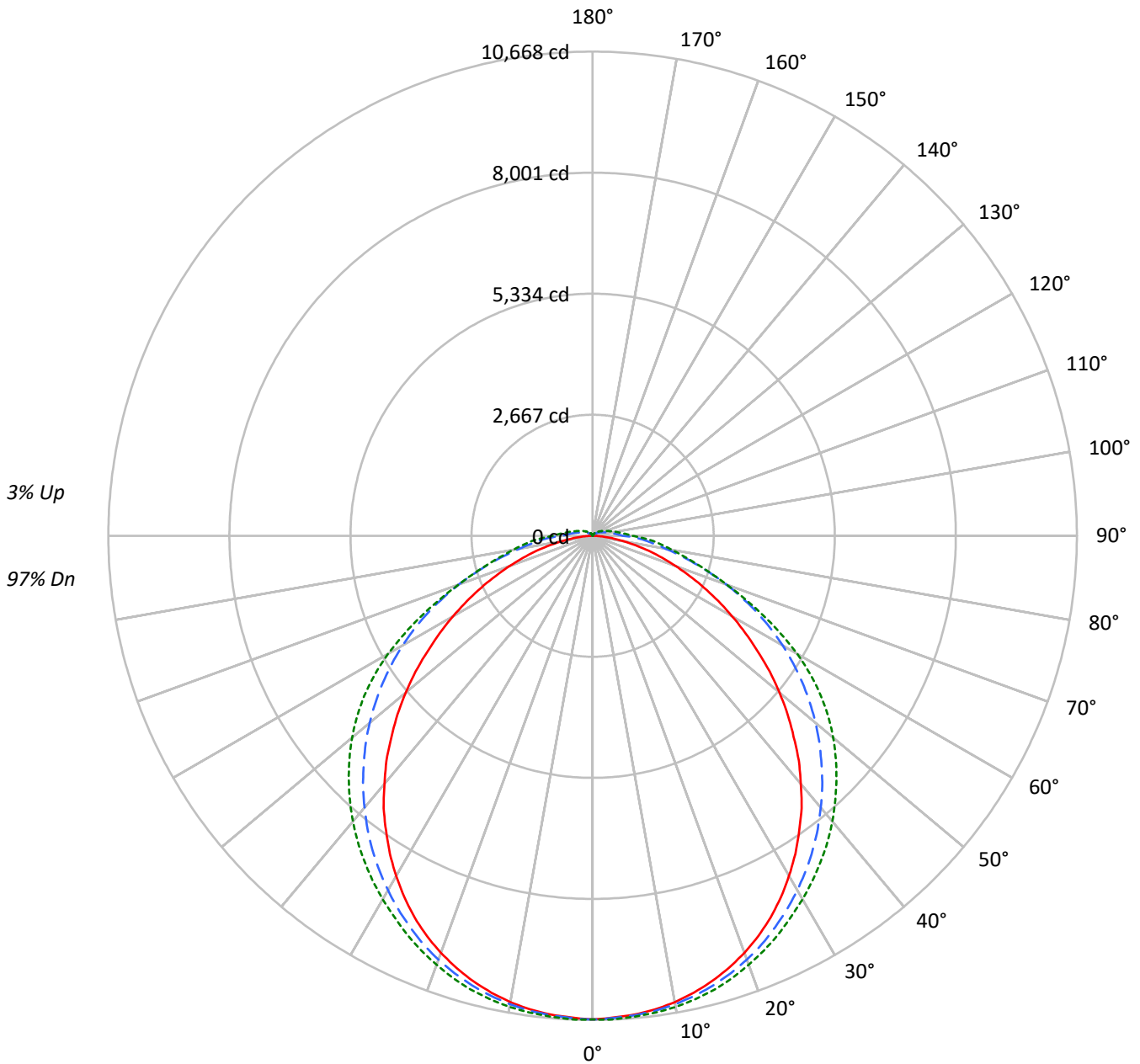
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31895.0 lumens  
Efficiency: N/A  
Efficacy: 151.2 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38  
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<sub>in</sub>): 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									
RC	80									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	97																	
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	82	82	80																	
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	66																	
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	56																	
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	47																	
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	41																	
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	36																	
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	32																	
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	28																	
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	25																	
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	23																	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	16854	16854	16854
5°	16746	16694	16745
10°	16629	16547	16658
15°	16443	16371	16543
20°	16197	16156	16374
25°	15867	15887	16204
30°	15411	15595	16032
35°	14859	15285	15884
40°	14196	14927	15738
45°	13415	14537	15552
50°	12559	14144	15327
55°	11508	13662	14945
60°	10431	13094	14183
65°	9256	12369	12931
70°	7982	11445	11575
75°	6692	10377	10659
80°	5074	9605	10575
85°	3209	9983	11817



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1009.8	3.2
10°-20°	2897.0	9.1
20°-30°	4381.2	13.7
30°-40°	5259.7	16.5
40°-50°	5432.5	17.0
50°-60°	4887.5	15.3
60°-70°	3681.7	11.5
70°-80°	2223.1	7.0
80°-90°	1087.3	3.4
90°-100°	457.7	1.4
100°-110°	261.3	0.8
110°-120°	153.4	0.5
120°-130°	86.7	0.3
130°-140°	45.7	0.1
140°-150°	22.2	0.1
150°-160°	8.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	8288.1	26.0
0°-40°	13547.8	42.5
0°-60°	23867.8	74.8
0°-90°	30859.9	96.8
90°-120°	872.3	2.7
90°-150°	1026.9	3.2
90°-180°	1035.0	3.2
0°-180°	31895.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10657	10657	10657	10657	10657	
5°	10589	10618	10605	10647	10634	###
15°	10162	10211	10258	10344	10355	2865
25°	9280	9382	9515	9663	9687	4269
35°	7934	8119	8453	8709	8761	4960
45°	6262	6578	7128	7517	7598	4835
55°	4437	4896	5639	6064	6137	3978
65°	2707	3260	3991	4189	4142	2690
75°	1275	1831	2311	2371	2347	1361
85°	266	702	1158	1317	1341	307
90°	0	274	662	835	868	17
95°	13	185	496	631	655	11
105°	18	107	287	376	391	18
115°	21	60	177	237	248	21
125°	21	29	107	154	162	19
135°	18	24	55	94	104	14
145°	26	24	26	47	55	16
155°	26	29	26	24	26	8
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P830408

CATALOG NUMBER: OHBL-36SE-MFL-UNV-L835-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10657.1	10657.1	10657.1	10657.1	10657.1
2.5°	10625.8	10651.9	10636.3	10670.2	10667.6
5°	10589.3	10618.0	10605.0	10646.7	10633.7
7.5°	10526.7	10558.0	10555.4	10602.4	10597.1
10°	10435.4	10469.3	10479.8	10542.4	10542.4
12.5°	10310.2	10354.6	10380.7	10456.3	10458.9
15°	10161.6	10211.1	10258.1	10344.1	10354.6
17.5°	9981.6	10044.2	10109.4	10208.5	10221.6
20°	9778.2	9848.6	9937.3	10041.6	10057.2
22.5°	9543.4	9626.9	9741.7	9864.2	9882.5
25°	9280.0	9381.7	9514.7	9663.4	9686.9
27.5°	8980.1	9097.4	9277.4	9444.3	9465.2
30°	8654.0	8792.3	9016.6	9214.8	9248.7
32.5°	8309.7	8468.8	8745.3	8967.0	9014.0
35°	7934.2	8119.3	8453.2	8708.8	8761.0
37.5°	7563.8	7767.2	8145.4	8437.6	8500.1
40°	7130.8	7383.8	7816.8	8140.2	8215.9
42.5°	6724.0	6997.8	7488.2	7840.3	7913.3
45°	6262.3	6577.9	7128.2	7516.9	7597.7
47.5°	5829.3	6171.0	6781.3	7183.0	7266.5
50°	5372.9	5748.5	6411.0	6830.9	6917.0
52.5°	4916.5	5320.7	6027.6	6463.1	6544.0
55°	4436.6	4895.6	5638.9	6064.1	6137.1
57.5°	3990.6	4475.7	5239.9	5644.2	5688.5
60°	3549.8	4053.2	4833.0	5187.7	5203.4
62.5°	3119.4	3648.9	4415.7	4697.4	4676.5
65°	2707.3	3260.3	3990.6	4188.8	4141.8
67.5°	2310.9	2882.1	3555.0	3682.8	3620.2
70°	1935.3	2514.3	3132.5	3197.7	3140.3
72.5°	1604.0	2164.8	2704.7	2759.5	2717.8
75°	1275.4	1831.0	2310.9	2370.9	2347.4
77.5°	967.6	1507.5	1948.3	2026.6	2031.8
80°	696.4	1212.8	1632.7	1755.3	1771.0
82.5°	459.0	941.6	1369.3	1525.8	1549.3
85°	266.0	701.6	1158.0	1317.1	1340.6
87.5°	114.8	506.0	931.1	1074.6	1103.3
90°	0.0	273.9	662.5	834.6	868.5
92.5°	7.8	226.9	568.6	725.1	753.8
95°	13.0	185.2	495.6	631.2	654.7
97.5°	15.6	156.5	430.4	550.3	573.8
100°	15.6	135.6	373.0	482.5	503.4
102.5°	15.6	120.0	326.0	422.5	440.8
105°	18.3	106.9	286.9	375.6	391.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	20.9	70.4	198.2	266.0	276.5
115°	20.9	60.0	177.4	237.3	247.8
117.5°	23.5	52.2	156.5	213.9	221.7
120°	23.5	44.3	138.2	190.4	200.8
122.5°	23.5	36.5	122.6	172.1	180.0
125°	20.9	28.7	106.9	153.9	161.7
127.5°	18.3	23.5	91.3	138.2	146.1
130°	18.3	20.9	78.2	122.6	130.4
132.5°	18.3	23.5	65.2	106.9	117.4
135°	18.3	23.5	54.8	93.9	104.3
137.5°	18.3	23.5	44.3	80.9	91.3
140°	20.9	23.5	36.5	67.8	78.2
142.5°	23.5	23.5	28.7	57.4	65.2
145°	26.1	23.5	26.1	46.9	54.8
147.5°	26.1	26.1	26.1	36.5	44.3
150°	26.1	28.7	26.1	28.7	36.5
152.5°	26.1	28.7	26.1	23.5	28.7
155°	26.1	28.7	26.1	23.5	26.1
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°	18.3	93.9	253.0	333.9	346.9
110°	18.3	83.5	224.3	297.3	310.4



(END OF REPORT)