

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: P830444

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

Issue Date: 5/3/2024



**Test Information**

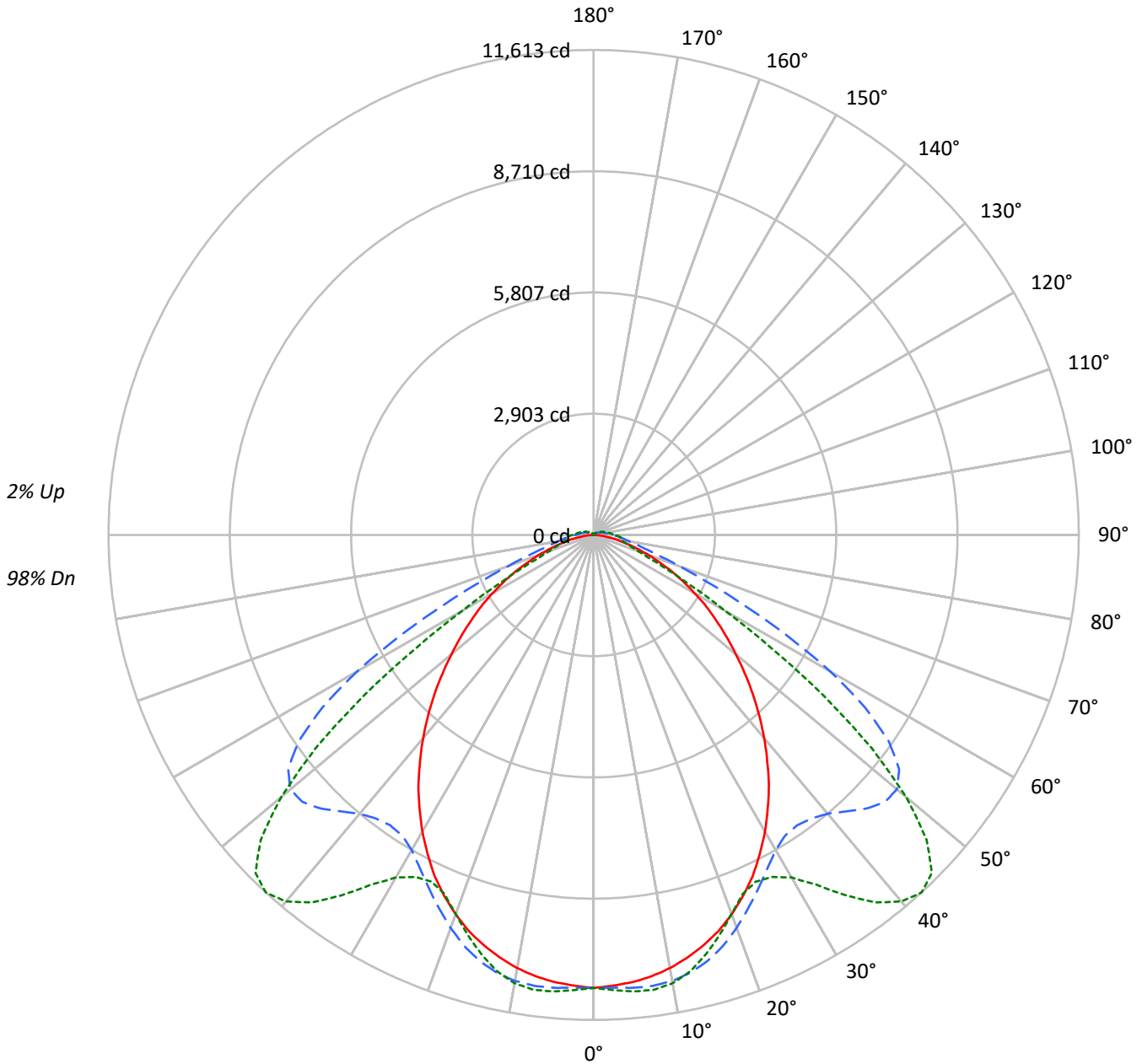
Test Method: LM-79-08  
Report Number: P830444  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-36SE-W-UNV-L835-CD  
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND WIDE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32481.0 lumens  
Efficiency: N/A  
Efficacy: 153.9 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 (Ain): 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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100					98				
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85					83				
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72					70				
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61					59				
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52					50				
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45					43				
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40					38				
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35					33				
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31					29				
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28					26				
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25					24				

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

	0°	45°	90°
0°	17156	17156	17156
5°	16996	17140	17278
10°	16783	17121	17226
15°	16455	16846	16602
20°	16007	16274	15718
25°	15407	15581	15331
30°	14608	15067	16415
35°	13698	15354	19104
40°	12641	16639	21951
45°	11536	18887	23432
50°	10384	20902	21631
55°	9301	20895	16369
60°	8198	17698	9888
65°	7034	12238	5897
70°	5715	7927	4167
75°	4347	5696	3741
80°	3120	5026	3997
85°	2117	5569	5632



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1036.7	3.2
10°-20°	2935.5	9.0
20°-30°	4295.6	13.2
30°-40°	5578.7	17.2
40°-50°	6812.3	21.0
50°-60°	5999.3	18.5
60°-70°	3126.3	9.6
70°-80°	1340.7	4.1
80°-90°	643.9	2.0
90°-100°	302.5	0.9
100°-110°	188.0	0.6
110°-120°	111.2	0.3
120°-130°	60.4	0.2
130°-140°	30.3	0.1
140°-150°	14.6	0.0
150°-160°	5.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	8267.7	25.5
0°-40°	13846.5	42.6
0°-60°	26658.1	82.1
0°-90°	31768.9	97.8
90°-120°	601.7	1.9
90°-150°	707.0	2.2
90°-180°	712.0	2.2
0°-180°	32481.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10848	10848	10848	10848	10848	
5°	10747	10829	10888	10984	10972	###
15°	10169	10455	10556	10476	10392	2863
25°	9011	9493	9331	9156	9165	4135
35°	7314	8086	8491	9902	10537	4559
45°	5385	6776	9261	11213	11447	4153
55°	3586	5935	8625	7562	6722	3218
65°	2057	4112	3948	2195	1889	2035
75°	828	1924	1268	868	824	903
85°	176	686	646	632	639	196
90°	2	248	426	487	498	12
95°	5	145	339	398	410	4
105°	9	82	220	264	269	10
115°	14	47	136	166	171	14
125°	16	23	80	103	105	14
135°	14	14	37	63	66	11
145°	19	14	16	30	35	11
155°	19	19	14	14	14	6
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P830444

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

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10848.1	10848.1	10848.1	10848.1	10848.1
2.5°	10801.3	10848.1	10850.4	10915.9	10908.9
5°	10747.4	10829.3	10887.8	10983.8	10972.1
7.5°	10658.5	10787.2	10890.2	10995.5	10986.1
10°	10532.1	10707.6	10843.4	10930.0	10901.9
12.5°	10368.3	10600.0	10733.4	10752.1	10698.3
15°	10169.3	10454.9	10555.5	10475.9	10391.7
17.5°	9944.6	10279.3	10314.4	10141.2	10035.9
20°	9663.8	10045.3	10010.2	9771.4	9654.4
22.5°	9352.5	9787.8	9675.5	9425.1	9312.7
25°	9010.8	9492.9	9331.4	9155.9	9165.3
27.5°	8610.6	9158.2	9001.4	9081.0	9230.8
30°	8203.3	8807.2	8711.2	9174.6	9469.5
32.5°	7756.3	8446.7	8533.3	9448.5	9930.6
35°	7314.0	8086.3	8491.2	9902.5	10536.8
37.5°	6824.8	7721.2	8559.1	10426.8	11091.5
40°	6349.7	7365.4	8713.6	10897.2	11458.9
42.5°	5865.2	7047.1	8973.3	11175.7	11613.4
45°	5385.4	6775.6	9261.2	11213.2	11447.2
47.5°	4905.6	6546.3	9460.2	10915.9	10808.3
50°	4442.2	6342.7	9474.2	10202.1	9762.1
52.5°	4009.2	6155.4	9216.8	9064.6	8381.2
55°	3585.6	5935.4	8624.6	7562.0	6721.8
57.5°	3199.4	5631.2	7711.8	5947.1	5029.7
60°	2789.8	5219.2	6532.2	4350.9	3627.7
62.5°	2413.0	4706.7	5209.9	3028.6	2607.3
65°	2057.3	4112.2	3948.4	2195.4	1888.8
67.5°	1680.5	3496.7	2913.9	1600.9	1404.3
70°	1385.6	2925.6	2169.6	1245.1	1130.4
72.5°	1083.6	2382.6	1621.9	1011.1	947.9
75°	828.5	1923.9	1268.5	868.3	823.8
77.5°	610.9	1521.3	1020.4	767.7	725.5
80°	428.3	1198.3	854.3	685.8	669.4
82.5°	287.9	926.8	727.9	653.0	655.3
85°	175.5	685.8	646.0	631.9	638.9
87.5°	84.3	486.8	554.7	575.8	582.8
90°	2.3	248.1	426.0	486.8	498.5
92.5°	0.0	189.6	374.5	435.3	447.0
95°	4.7	145.1	339.4	397.9	409.6
97.5°	4.7	119.4	304.3	365.1	372.1
100°	7.0	103.0	271.5	330.0	337.0
102.5°	7.0	91.3	243.4	294.9	299.6
105°	9.4	81.9	220.0	264.5	269.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	14.0	56.2	154.5	187.2	191.9
115°	14.0	46.8	135.7	166.2	170.9
117.5°	16.4	42.1	119.4	147.4	149.8
120°	16.4	35.1	103.0	131.1	133.4
122.5°	16.4	28.1	91.3	117.0	119.4
125°	16.4	23.4	79.6	103.0	105.3
127.5°	14.0	16.4	67.9	91.3	93.6
130°	14.0	14.0	56.2	79.6	84.3
132.5°	14.0	14.0	46.8	70.2	74.9
135°	14.0	14.0	37.4	63.2	65.5
137.5°	14.0	14.0	30.4	53.8	58.5
140°	14.0	14.0	23.4	46.8	49.1
142.5°	16.4	14.0	21.1	39.8	42.1
145°	18.7	14.0	16.4	30.4	35.1
147.5°	18.7	16.4	16.4	25.7	28.1
150°	18.7	18.7	14.0	18.7	23.4
152.5°	18.7	18.7	14.0	14.0	18.7
155°	18.7	18.7	14.0	14.0	14.0
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°	11.7	72.6	196.6	236.4	241.1
110°	11.7	63.2	173.2	210.6	215.3



(END OF REPORT)