

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: P830360

Luminaire Tested: **OHBL-36HE-NL-UNV-L835-CD**

Issue Date: 5/3/2024



**Test Information**

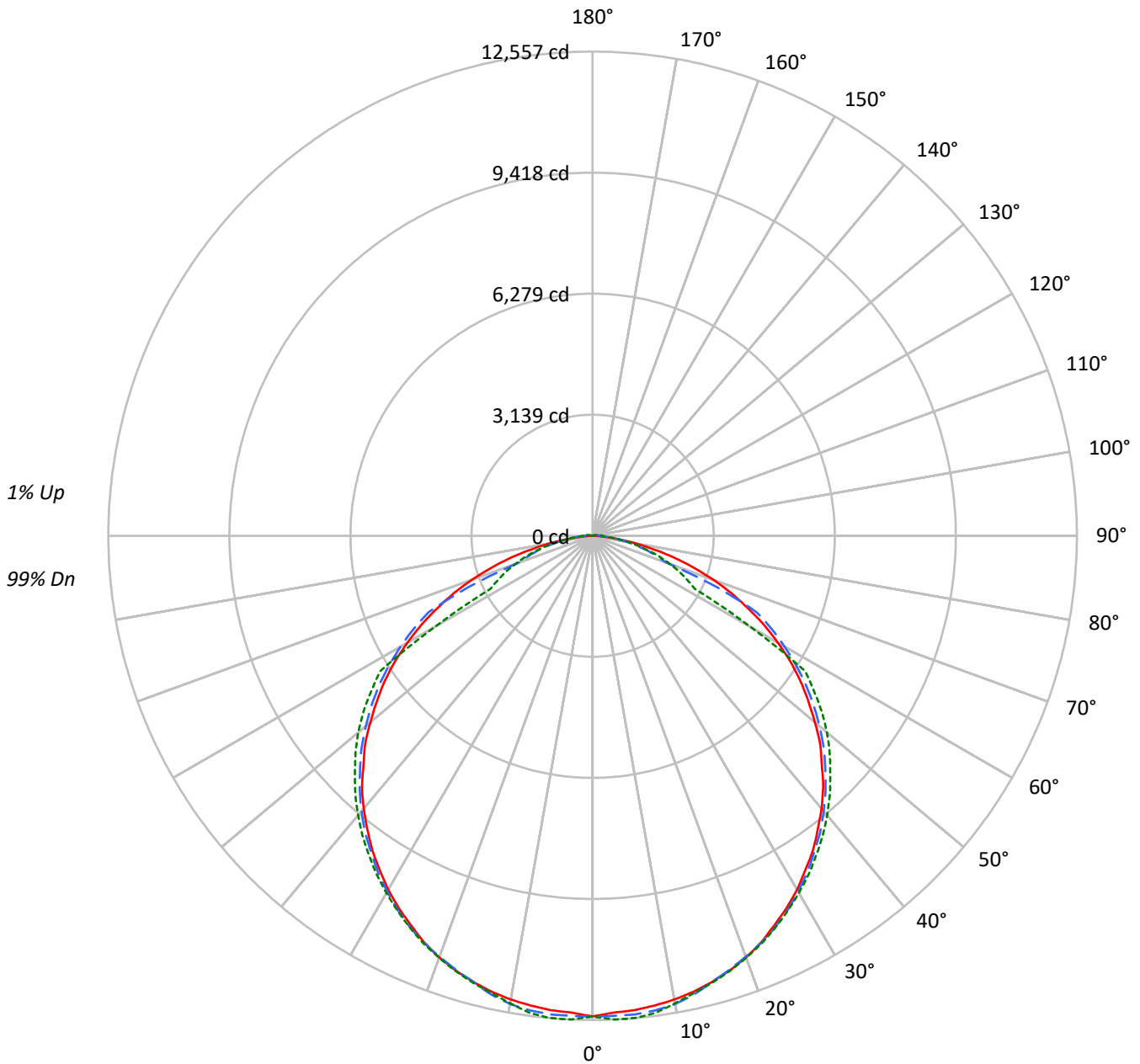
Test Method: LM-79-08  
Report Number: P830360  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-36HE-NL-UNV-L835-CD  
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34999.0 lumens  
Efficiency: N/A  
Efficacy: 165.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39  
Luminous Opening: Rectangular (W 1.8' x L: 3.78' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 212  
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									
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102					99															
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86					84															
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73					71															
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62					60															
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53					51															
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46					44															
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41					39															
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36					34															
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32					30															
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29					27															
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26					25															

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

	0°	45°	90°
0°	19714	19714	19714
5°	19605	19783	19932
10°	19611	19797	19773
15°	19607	19604	19647
20°	19581	19551	19599
25°	19447	19546	19561
30°	19357	19457	19533
35°	19231	19337	19518
40°	19065	19246	19530
45°	18790	19074	19490
50°	18507	18884	19508
55°	18153	18624	19293
60°	17545	18168	15020
65°	16600	17565	10109
70°	15353	9325	9811
75°	13392	8861	9369
80°	10299	8128	8586
85°	5199	8214	8412



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1184.3	3.4
10°-20°	3391.0	9.7
20°-30°	5159.6	14.7
30°-40°	6273.4	17.9
40°-50°	6596.1	18.8
50°-60°	6023.1	17.2
60°-70°	3861.1	11.0
70°-80°	1823.9	5.2
80°-90°	505.8	1.4
90°-100°	134.0	0.4
100°-110°	36.7	0.1
110°-120°	10.2	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	9734.9	27.8
0°-40°	16008.2	45.7
0°-60°	28627.4	81.8
0°-90°	34818.2	99.5
90°-120°	180.8	0.5
90°-150°	180.8	0.5
90°-180°	181.0	0.5
0°-180°	34999.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	12466	12466	12466	12466	12466	
5°	12350	12398	12461	12529	12555	###
15°	11976	12065	11974	11991	12000	3381
25°	11145	11162	11201	11219	11210	5142
35°	9961	9902	10016	10138	10110	6225
45°	8402	8386	8528	8730	8714	6494
55°	6584	6534	6754	6980	6997	5872
65°	4436	4436	4694	2693	2701	4398
75°	2192	2233	1450	1527	1533	2310
85°	286	363	453	490	464	423
90°	0	122	201	238	234	13
95°	6	64	144	195	195	4
105°	11	24	35	35	33	11
115°	11	15	22	15	2	8
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	12465.7	12465.7	12465.7	12465.7	12465.7
2.5°	12378.2	12419.9	12465.7	12524.8	12557.4
5°	12349.7	12397.9	12461.3	12529.2	12555.4
7.5°	12288.6	12356.2	12417.6	12465.7	12481.0
10°	12211.9	12293.0	12328.0	12323.6	12312.7
12.5°	12109.1	12194.6	12183.7	12133.2	12142.0
15°	11975.7	12065.3	11973.6	11991.0	11999.8
17.5°	11818.2	11905.8	11798.6	11833.5	11835.8
20°	11634.6	11700.1	11617.0	11645.5	11645.5
22.5°	11413.7	11459.5	11424.6	11444.2	11448.6
25°	11144.6	11161.9	11201.3	11218.9	11210.1
27.5°	10886.6	10864.6	10941.2	10982.7	10960.7
30°	10599.9	10564.9	10654.6	10722.4	10696.2
32.5°	10271.7	10250.0	10352.8	10433.6	10418.3
35°	9961.2	9902.1	10015.9	10138.4	10109.9
37.5°	9593.7	9558.7	9687.7	9816.9	9801.6
40°	9235.0	9175.9	9322.5	9475.6	9460.3
42.5°	8850.1	8779.9	8939.7	9123.6	9106.0
45°	8401.5	8386.2	8528.4	8729.7	8714.4
47.5°	8003.7	7927.0	8125.9	8320.7	8338.3
50°	7522.2	7493.9	7675.5	7911.7	7929.1
52.5°	7052.1	7032.4	7222.5	7461.1	7491.6
55°	6583.8	6533.6	6754.5	6979.8	6997.4
57.5°	6083.2	6030.6	6255.9	6500.9	6538.0
60°	5547.0	5496.8	5743.9	5971.5	4748.8
62.5°	5011.2	4976.2	5234.4	3707.6	2988.1
65°	4435.9	4435.9	4693.9	2692.6	2701.4
67.5°	3898.0	3863.0	3499.9	2419.1	2419.1
70°	3320.4	3333.6	2016.6	2119.7	2121.7
72.5°	2740.8	2788.9	1741.3	1824.2	1828.6
75°	2191.7	2233.4	1450.2	1526.8	1533.3
77.5°	1609.9	1238.0	1165.8	1225.1	1227.1
80°	1130.8	780.9	892.5	949.2	942.8
82.5°	660.5	546.8	654.0	695.7	693.4
85°	286.5	363.1	452.7	490.0	463.6
87.5°	91.7	225.3	282.1	304.1	301.7
90°	0.0	122.5	201.2	238.3	234.1
92.5°	0.0	96.1	175.1	218.8	220.9
95°	6.5	63.5	144.5	194.8	194.8
97.5°	4.4	45.9	102.8	153.1	157.5
100°	4.4	37.1	67.9	109.3	111.6
102.5°	10.9	30.6	41.5	69.9	72.3
105°	10.9	24.1	35.0	35.0	32.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	13.2	17.6	24.1	17.6	2.1
115°	10.9	15.3	21.8	15.3	2.1
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
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°	10.9	21.8	30.6	19.7	6.5
110°	13.2	19.7	26.2	17.6	2.1



(END OF REPORT)