

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: P830612

Luminaire Tested: **OHBL-60HE-MCL-UNV-L835-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830612  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-60HE-MCL-UNV-L835-CD  
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND MEDIUM CLEAR LENS  
Light Source: -  
Ballast/Driver: -

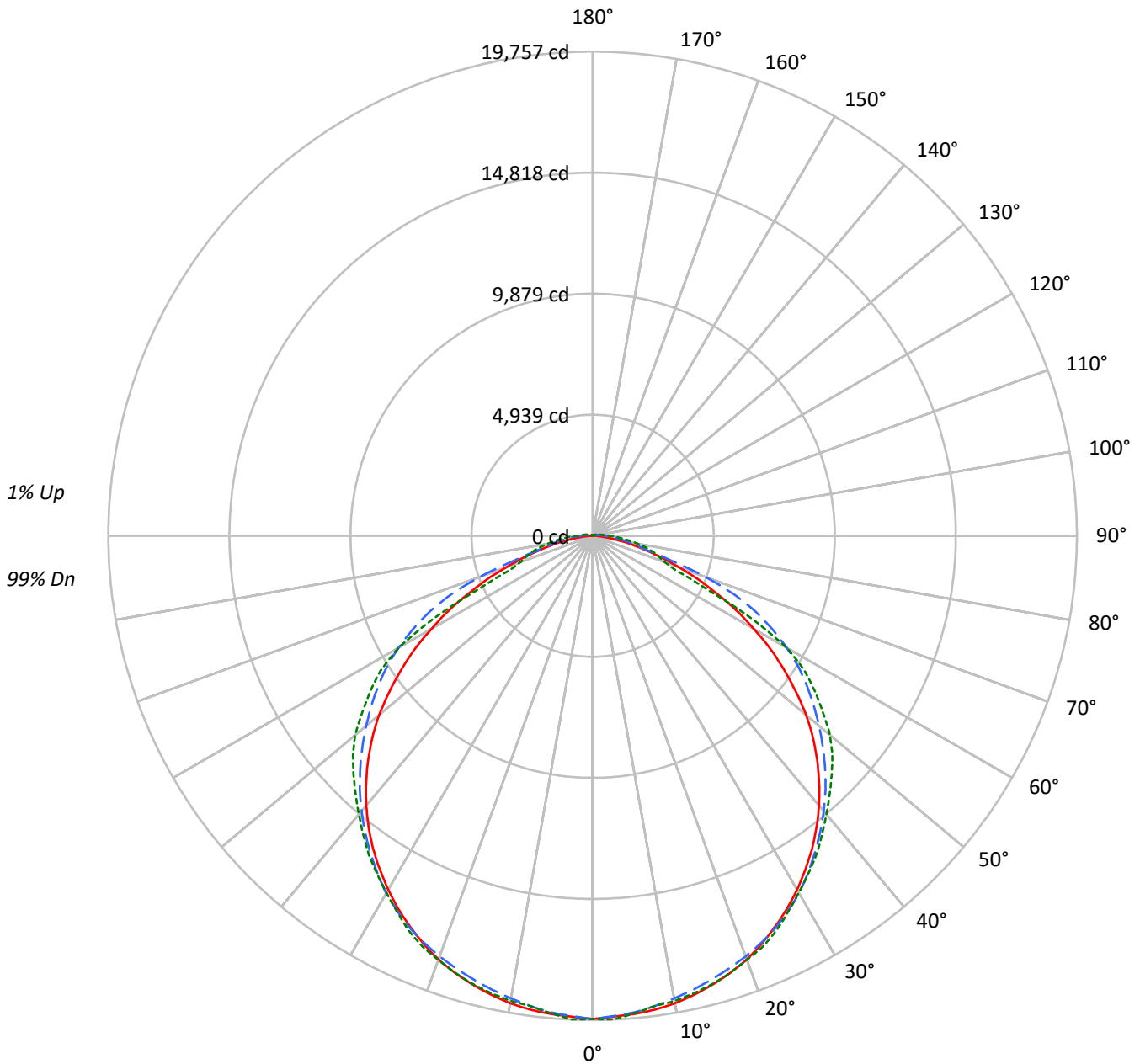
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 55729.0 lumens  
Efficiency: N/A  
Efficacy: 164.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 338  
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				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	106	106	106	101	101	101	99			99
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86	83			83
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72	70			70
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61	59			59
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53	51			51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46	44			44
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40	38			38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36	34			34
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32	30			30
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29	27			27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26	24			24

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

	0°	45°	90°
0°	31182	31182	31182
5°	30978	30729	30794
10°	30865	30263	30451
15°	30669	29915	30248
20°	30473	29696	29980
25°	30105	29475	29714
30°	29705	29127	29152
35°	29227	28575	28842
40°	28605	28004	28420
45°	27744	27344	28233
50°	26577	26593	28010
55°	24721	25853	26964
60°	22293	24771	24929
65°	19123	22763	15799
70°	15403	17770	11454
75°	11548	10549	11625
80°	8038	8771	11099
85°	4575	8037	10404



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1859.1	3.3
10°-20°	5331.1	9.6
20°-30°	8142.3	14.6
30°-40°	9879.4	17.7
40°-50°	10354.5	18.6
50°-60°	9382.7	16.8
60°-70°	6290.8	11.3
70°-80°	2824.8	5.1
80°-90°	1025.1	1.8
90°-100°	308.6	0.6
100°-110°	145.6	0.3
110°-120°	73.0	0.1
120°-130°	40.3	0.1
130°-140°	27.7	0.0
140°-150°	18.6	0.0
150°-160°	13.8	0.0
160°-170°	8.9	0.0
170°-180°	2.8	0.0
0°-30°	15332.5	27.5
0°-40°	25211.9	45.2
0°-60°	44949.1	80.7
0°-90°	55089.8	98.9
90°-120°	527.1	0.9
90°-150°	613.7	1.1
90°-180°	639.0	1.1
0°-180°	55729.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	19717	19717	19717	19717	19717	
5°	19589	19657	19520	19580	19554	###
15°	18953	18879	18745	18910	18933	5351
25°	17607	17530	17653	17815	17764	8116
35°	15606	15643	15803	15971	15908	9754
45°	12952	13163	13408	13750	13793	9977
55°	9531	9990	10671	11099	11073	8507
65°	5594	6469	7344	6198	5060	5573
75°	2201	3193	2349	2403	2560	2405
85°	379	727	932	1126	1180	463
90°	3	242	482	604	633	23
95°	3	151	331	402	413	4
105°	11	66	162	197	205	13
115°	23	34	83	106	111	21
125°	20	23	51	60	63	20
135°	26	28	31	46	48	20
145°	26	28	28	31	34	17
155°	28	31	31	31	28	13
165°	31	31	31	31	31	9
175°	31	31	28	26	26	3
180°	28	28	28	28	28	



TEST NUMBER: P830612

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	19717.0	19717.0	19717.0	19717.0	19717.0
2.5°	19637.1	19719.8	19617.2	19728.4	19756.9
5°	19588.7	19657.1	19520.3	19580.1	19554.5
7.5°	19500.3	19523.1	19360.6	19409.1	19357.8
10°	19369.2	19357.8	19166.7	19260.8	19272.2
12.5°	19175.3	19141.1	18970.0	19112.6	19115.4
15°	18952.9	18878.8	18744.8	18910.2	18933.0
17.5°	18696.3	18599.4	18511.0	18724.8	18690.6
20°	18397.0	18283.0	18265.8	18499.6	18414.1
22.5°	18026.4	17938.0	17977.9	18200.3	18146.1
25°	17607.3	17530.3	17652.9	17815.4	17764.1
27.5°	17165.4	17119.8	17259.5	17384.9	17285.1
30°	16680.7	16655.1	16840.4	16943.0	16817.6
32.5°	16153.3	16161.9	16338.6	16478.3	16361.4
35°	15605.9	15643.0	15802.7	15970.9	15908.1
37.5°	15004.4	15087.1	15246.7	15437.7	15372.2
40°	14368.6	14488.4	14665.1	14896.1	14836.2
42.5°	13681.6	13832.7	14060.7	14317.3	14311.6
45°	12951.7	13162.7	13407.9	13750.0	13792.8
47.5°	12193.4	12430.0	12740.8	13196.9	13262.5
50°	11369.5	11666.0	12053.7	12601.1	12641.0
52.5°	10451.5	10856.3	11369.5	11894.0	11845.6
55°	9530.6	9989.6	10671.0	11098.6	11073.0
57.5°	8612.6	9128.6	9955.4	10260.5	10257.6
60°	7586.3	8239.2	9142.9	9373.8	9145.8
62.5°	6636.9	7338.3	8276.2	8108.0	7326.9
65°	5593.5	6468.7	7344.0	6197.9	5060.4
67.5°	4667.0	5579.3	6237.8	4245.0	3634.9
70°	3734.7	4741.1	4863.7	3150.3	3107.5
72.5°	2907.9	3979.9	3355.5	2697.0	2833.8
75°	2200.9	3193.0	2349.2	2403.3	2560.1
77.5°	1605.1	2451.8	1827.4	2106.8	2235.1
80°	1103.3	1736.2	1491.0	1770.4	1858.8
82.5°	692.8	1146.1	1194.5	1425.5	1516.7
85°	379.2	727.0	932.3	1126.1	1180.3
87.5°	156.8	439.0	712.7	869.5	915.1
90°	2.9	242.3	481.8	604.4	632.9
92.5°	2.9	185.3	393.4	487.5	507.5
95°	2.9	151.1	330.7	402.0	413.4
97.5°	5.7	119.7	276.5	333.6	345.0
100°	8.6	99.8	230.9	279.4	287.9
102.5°	11.4	79.8	193.9	233.8	242.3
105°	11.4	65.6	162.5	196.7	205.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	20.0	39.9	96.9	122.6	128.3
115°	22.8	34.2	82.7	105.5	111.2
117.5°	22.8	28.5	71.3	88.4	94.1
120°	22.8	25.7	62.7	77.0	79.8
122.5°	22.8	22.8	54.2	68.4	71.3
125°	20.0	22.8	51.3	59.9	62.7
127.5°	22.8	22.8	45.6	54.2	57.0
130°	22.8	25.7	39.9	51.3	51.3
132.5°	25.7	28.5	37.1	48.5	48.5
135°	25.7	28.5	31.4	45.6	48.5
137.5°	28.5	28.5	28.5	42.8	45.6
140°	28.5	28.5	25.7	37.1	39.9
142.5°	25.7	28.5	25.7	34.2	37.1
145°	25.7	28.5	28.5	31.4	34.2
147.5°	28.5	28.5	28.5	28.5	31.4
150°	28.5	28.5	28.5	28.5	28.5
152.5°	28.5	28.5	28.5	28.5	28.5
155°	28.5	31.4	31.4	31.4	28.5
157.5°	28.5	31.4	31.4	31.4	31.4
160°	28.5	31.4	31.4	31.4	31.4
162.5°	31.4	31.4	31.4	31.4	31.4
165°	31.4	31.4	31.4	31.4	31.4
167.5°	31.4	34.2	31.4	31.4	31.4
170°	31.4	31.4	31.4	28.5	28.5
172.5°	31.4	31.4	31.4	28.5	28.5
175°	31.4	31.4	28.5	25.7	25.7
177.5°	34.2	31.4	28.5	25.7	22.8
180°	28.5	28.5	28.5	28.5	28.5



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°    - - 45°-225°    - - - - 90°-270°







107.5°	14.3	54.2	139.7	168.2	173.9
110°	17.1	45.6	116.9	142.5	148.2



(END OF REPORT)