

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: P830665

Luminaire Tested: **OHBL-60HE-W-UNV-L940-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830665  
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-60HE-W-UNV-L940-CD  
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND WIDE LENS  
Light Source: -  
Ballast/Driver: -

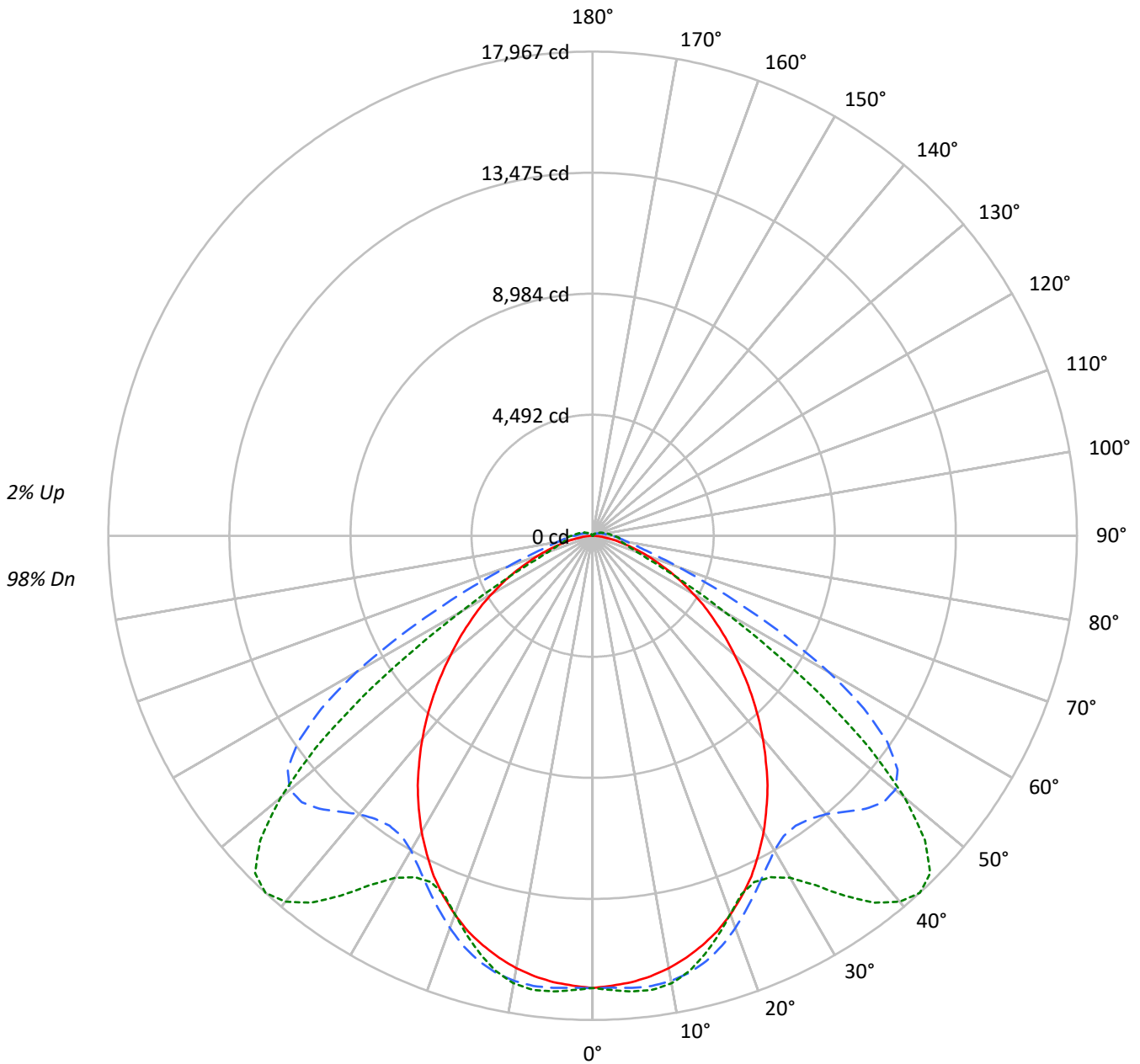
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 50249.9 lumens  
Efficiency: N/A  
Efficacy: 148.7 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): 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	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°	26541	26541	26541
5°	26294	26516	26731
10°	25964	26488	26649
15°	25458	26062	25684
20°	24764	25177	24317
25°	23835	24104	23718
30°	22600	23310	25395
35°	21191	23754	29555
40°	19556	25742	33959
45°	17847	29220	36251
50°	16064	32337	33464
55°	14389	32327	25323
60°	12683	27380	15298
65°	10881	18934	9123
70°	8841	12263	6446
75°	6726	8813	5787
80°	4828	7774	6184
85°	3277	8616	8713



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1603.8	3.2
10°-20°	4541.4	9.0
20°-30°	6645.5	13.2
30°-40°	8630.6	17.2
40°-50°	10539.1	21.0
50°-60°	9281.3	18.5
60°-70°	4836.5	9.6
70°-80°	2074.1	4.1
80°-90°	996.1	2.0
90°-100°	468.0	0.9
100°-110°	290.9	0.6
110°-120°	172.0	0.3
120°-130°	93.5	0.2
130°-140°	46.9	0.1
140°-150°	22.6	0.0
150°-160°	7.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	12790.7	25.5
0°-40°	21421.3	42.6
0°-60°	41241.7	82.1
0°-90°	49148.3	97.8
90°-120°	930.8	1.9
90°-150°	1093.7	2.2
90°-180°	1102.0	2.2
0°-180°	50249.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	16783	16783	16783	16783	16783	
5°	16627	16754	16844	16993	16974	###
15°	15732	16174	16330	16207	16076	4430
25°	13940	14686	14436	14165	14179	6397
35°	11315	12510	13136	15320	16301	7053
45°	8332	10482	14328	17347	17710	6424
55°	5547	9182	13343	11699	10399	4978
65°	3183	6362	6108	3396	2922	3149
75°	1282	2976	1962	1343	1274	1398
85°	272	1061	999	978	988	303
90°	4	384	659	753	771	19
95°	7	224	525	616	634	5
105°	14	127	340	409	416	15
115°	22	72	210	257	264	22
125°	25	36	123	159	163	22
135°	22	22	58	98	101	17
145°	29	22	25	47	54	17
155°	29	29	22	22	22	9
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CATALOG NUMBER: OHBL-60HE-W-UNV-L940-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	16782.6	16782.6	16782.6	16782.6	16782.6
2.5°	16710.2	16782.6	16786.2	16887.6	16876.7
5°	16626.9	16753.6	16844.1	16992.6	16974.5
7.5°	16489.3	16688.4	16847.8	17010.7	16996.2
10°	16293.8	16565.3	16775.3	16909.3	16865.9
12.5°	16040.3	16398.8	16605.2	16634.1	16550.8
15°	15732.5	16174.3	16330.0	16206.9	16076.5
17.5°	15384.9	15902.7	15957.0	15689.1	15526.2
20°	14950.4	15540.6	15486.3	15117.0	14936.0
22.5°	14468.9	15142.3	14968.5	14581.1	14407.3
25°	13940.2	14686.1	14436.3	14164.7	14179.2
27.5°	13321.1	14168.3	13925.7	14048.9	14280.6
30°	12691.0	13625.2	13476.8	14193.7	14649.9
32.5°	11999.5	13067.6	13201.6	14617.3	15363.2
35°	11315.1	12510.0	13136.4	15319.8	16301.0
37.5°	10558.4	11945.1	13241.4	16130.8	17159.1
40°	9823.3	11394.8	13480.4	16858.6	17727.6
42.5°	9073.8	10902.3	13882.3	17289.5	17966.6
45°	8331.5	10482.3	14327.7	17347.4	17709.5
47.5°	7589.3	10127.5	14635.4	16887.6	16721.0
50°	6872.3	9812.5	14657.2	15783.2	15102.5
52.5°	6202.5	9522.8	14258.9	14023.5	12966.2
55°	5547.1	9182.4	13342.8	11698.9	10399.0
57.5°	4949.7	8711.7	11930.7	9200.5	7781.2
60°	4316.0	8074.5	10105.8	6731.1	5612.3
62.5°	3733.1	7281.5	8060.0	4685.4	4033.6
65°	3182.7	6361.8	6108.4	3396.3	2922.0
67.5°	2599.8	5409.5	4507.9	2476.7	2172.5
70°	2143.5	4526.0	3356.5	1926.3	1748.9
72.5°	1676.4	3686.0	2509.2	1564.2	1466.4
75°	1281.8	2976.3	1962.5	1343.3	1274.5
77.5°	945.0	2353.5	1578.7	1187.6	1122.5
80°	662.6	1853.9	1321.6	1060.9	1035.6
82.5°	445.4	1433.9	1126.1	1010.2	1013.8
85°	271.6	1060.9	999.4	977.6	988.5
87.5°	130.4	753.1	858.1	890.7	901.6
90°	3.6	383.8	659.0	753.1	771.2
92.5°	0.0	293.3	579.3	673.5	691.6
95°	7.2	224.5	525.0	615.5	633.6
97.5°	7.2	184.7	470.7	564.9	575.7
100°	10.9	159.3	420.0	510.5	521.4
102.5°	10.9	141.2	376.6	456.2	463.5
105°	14.5	126.7	340.4	409.2	416.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	21.7	86.9	239.0	289.7	296.9
115°	21.7	72.4	210.0	257.1	264.3
117.5°	25.3	65.2	184.7	228.1	231.7
120°	25.3	54.3	159.3	202.8	206.4
122.5°	25.3	43.5	141.2	181.0	184.7
125°	25.3	36.2	123.1	159.3	162.9
127.5°	21.7	25.3	105.0	141.2	144.8
130°	21.7	21.7	86.9	123.1	130.4
132.5°	21.7	21.7	72.4	108.6	115.9
135°	21.7	21.7	57.9	97.8	101.4
137.5°	21.7	21.7	47.1	83.3	90.5
140°	21.7	21.7	36.2	72.4	76.0
142.5°	25.3	21.7	32.6	61.6	65.2
145°	29.0	21.7	25.3	47.1	54.3
147.5°	29.0	25.3	25.3	39.8	43.5
150°	29.0	29.0	21.7	29.0	36.2
152.5°	29.0	29.0	21.7	21.7	29.0
155°	29.0	29.0	21.7	21.7	21.7
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°	18.1	112.2	304.2	365.7	372.9
110°	18.1	97.8	267.9	325.9	333.1



(END OF REPORT)