

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: P830664

Luminaire Tested: **OHBL-60HE-W-UNV-L935-CD**

Issue Date: 5/3/2024



**Test Information**

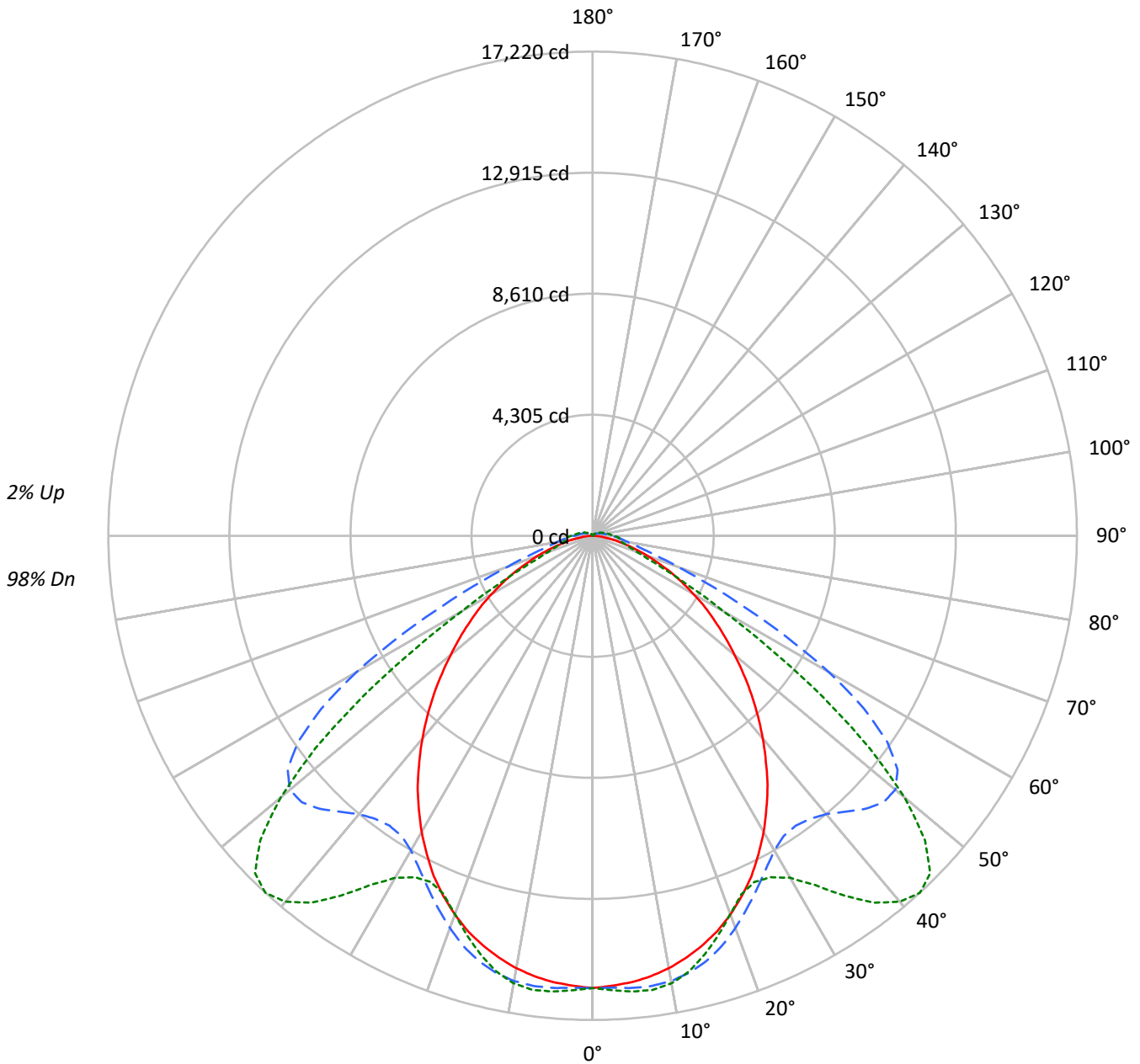
Test Method: LM-79-08  
Report Number: P830664  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-60HE-W-UNV-L935-CD  
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND WIDE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 48163.0 lumens  
Efficiency: N/A  
Efficacy: 142.5 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									
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	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°	25439	25439	25439
5°	25202	25415	25621
10°	24886	25387	25542
15°	24400	24979	24617
20°	23735	24132	23307
25°	22845	23103	22733
30°	21662	22341	24340
35°	20311	22767	28327
40°	18744	24673	32549
45°	17106	28006	34745
50°	15397	30994	32074
55°	13791	30984	24271
60°	12156	26243	14662
65°	10429	18147	8744
70°	8473	11754	6179
75°	6446	8447	5547
80°	4627	7451	5927
85°	3141	8257	8351



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1537.2	3.2
10°-20°	4352.8	9.0
20°-30°	6369.5	13.2
30°-40°	8272.2	17.2
40°-50°	10101.4	21.0
50°-60°	8895.8	18.5
60°-70°	4635.7	9.6
70°-80°	1987.9	4.1
80°-90°	954.7	2.0
90°-100°	448.5	0.9
100°-110°	278.8	0.6
110°-120°	164.8	0.3
120°-130°	89.6	0.2
130°-140°	45.0	0.1
140°-150°	21.6	0.0
150°-160°	7.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	12259.5	25.5
0°-40°	20531.6	42.6
0°-60°	39528.8	82.1
0°-90°	47107.1	97.8
90°-120°	892.2	1.9
90°-150°	1048.3	2.2
90°-180°	1056.0	2.2
0°-180°	48163.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	16086	16086	16086	16086	16086	
5°	15936	16058	16145	16287	16270	###
15°	15079	15502	15652	15534	15409	4246
25°	13361	14076	13837	13576	13590	6132
35°	10845	11990	12591	14684	15624	6760
45°	7986	10047	13733	16627	16974	6157
55°	5317	8801	12789	11213	9967	4772
65°	3050	6098	5855	3255	2801	3018
75°	1228	2853	1881	1288	1222	1340
85°	260	1017	958	937	947	290
90°	4	368	632	722	739	18
95°	7	215	503	590	607	5
105°	14	122	326	392	399	15
115°	21	69	201	246	253	21
125°	24	35	118	153	156	21
135°	21	21	56	94	97	16
145°	28	21	24	45	52	16
155°	28	28	21	21	21	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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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	16085.6	16085.6	16085.6	16085.6	16085.6
2.5°	16016.2	16085.6	16089.0	16186.2	16175.8
5°	15936.3	16057.8	16144.6	16286.8	16269.5
7.5°	15804.5	15995.3	16148.0	16304.2	16290.3
10°	15617.1	15877.3	16078.6	16207.0	16165.4
12.5°	15374.1	15717.7	15915.5	15943.3	15863.5
15°	15079.1	15502.5	15651.8	15533.8	15408.8
17.5°	14746.0	15242.2	15294.3	15037.5	14881.3
20°	14329.5	14895.2	14843.1	14489.2	14315.6
22.5°	13867.9	14513.4	14346.9	13975.5	13808.9
25°	13361.3	14076.2	13836.7	13576.4	13590.3
27.5°	12767.8	13579.9	13347.4	13465.4	13687.5
30°	12163.9	13059.3	12917.0	13604.2	14041.5
32.5°	11501.1	12524.9	12653.3	14010.2	14725.1
35°	10845.2	11990.4	12590.8	14683.5	15624.0
37.5°	10119.8	11449.0	12691.5	15460.9	16446.5
40°	9415.3	10921.5	12920.5	16158.4	16991.4
42.5°	8697.0	10449.5	13305.7	16571.4	17220.4
45°	7985.5	10047.0	13732.6	16627.0	16974.0
47.5°	7274.1	9706.9	14027.6	16186.2	16026.6
50°	6586.9	9404.9	14048.4	15127.7	14475.3
52.5°	5944.9	9127.3	13666.7	13441.1	12427.7
55°	5316.7	8801.1	12788.6	11213.0	9967.1
57.5°	4744.1	8349.9	11435.2	8818.4	7458.0
60°	4136.8	7739.1	9686.0	6451.6	5379.2
62.5°	3578.0	6979.1	7725.2	4490.8	3866.1
65°	3050.5	6097.6	5854.7	3255.3	2800.7
67.5°	2491.8	5184.9	4320.7	2373.8	2082.3
70°	2054.5	4338.1	3217.1	1846.3	1676.2
72.5°	1606.8	3532.9	2405.0	1499.2	1405.5
75°	1228.5	2852.7	1881.0	1287.5	1221.6
77.5°	905.8	2255.8	1513.1	1138.3	1075.8
80°	635.1	1776.9	1266.7	1016.8	992.6
82.5°	426.9	1374.3	1079.3	968.3	971.7
85°	260.3	1016.8	957.8	937.0	947.4
87.5°	124.9	721.9	822.5	853.7	864.1
90°	3.5	367.9	631.6	721.9	739.2
92.5°	0.0	281.1	555.3	645.5	662.9
95°	6.9	215.2	503.2	590.0	607.3
97.5°	6.9	177.0	451.2	541.4	551.8
100°	10.4	152.7	402.6	489.3	499.7
102.5°	10.4	135.3	360.9	437.3	444.2
105°	13.9	121.5	326.2	392.2	399.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	20.8	83.3	229.1	277.6	284.6
115°	20.8	69.4	201.3	246.4	253.3
117.5°	24.3	62.5	177.0	218.6	222.1
120°	24.3	52.1	152.7	194.3	197.8
122.5°	24.3	41.6	135.3	173.5	177.0
125°	24.3	34.7	118.0	152.7	156.2
127.5°	20.8	24.3	100.6	135.3	138.8
130°	20.8	20.8	83.3	118.0	124.9
132.5°	20.8	20.8	69.4	104.1	111.1
135°	20.8	20.8	55.5	93.7	97.2
137.5°	20.8	20.8	45.1	79.8	86.8
140°	20.8	20.8	34.7	69.4	72.9
142.5°	24.3	20.8	31.2	59.0	62.5
145°	27.8	20.8	24.3	45.1	52.1
147.5°	27.8	24.3	24.3	38.2	41.6
150°	27.8	27.8	20.8	27.8	34.7
152.5°	27.8	27.8	20.8	20.8	27.8
155°	27.8	27.8	20.8	20.8	20.8
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°	17.4	107.6	291.5	350.5	357.5
110°	17.4	93.7	256.8	312.3	319.3



(END OF REPORT)