

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: P830656

Luminaire Tested: **OHBL-60HE-W-UNV-L735-CD**

Issue Date: 5/3/2024



**Test Information**

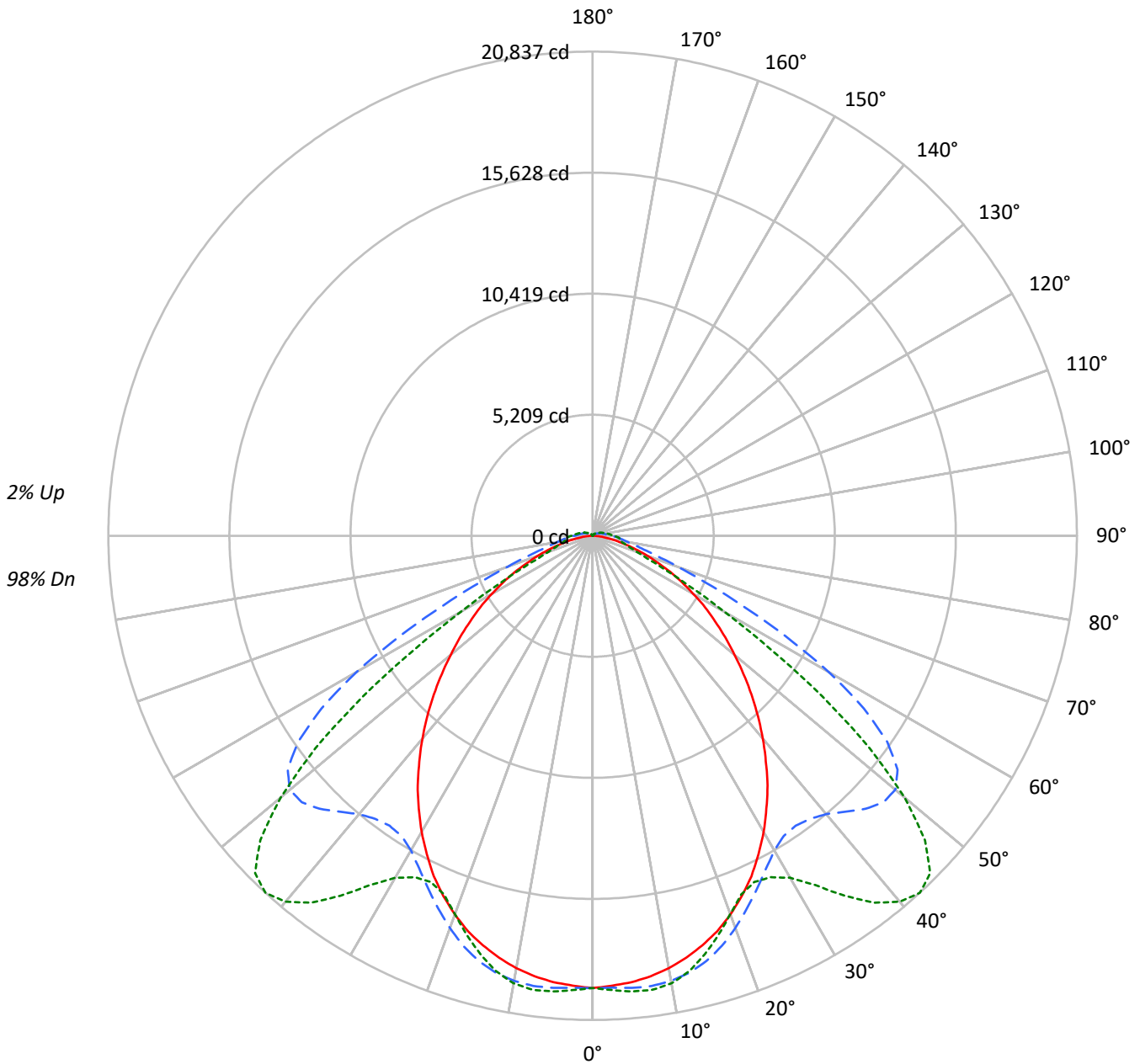
Test Method: LM-79-08  
Report Number: P830656  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-60HE-W-UNV-L735-CD  
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND WIDE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 58277.1 lumens  
Efficiency: N/A  
Efficacy: 172.4 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				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	100	100	100	98
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	85	85	85	83
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	72	72	72	70
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	61	61	61	59
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	52	52	52	50
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	45	45	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	40	40	40	38
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	35	35	35	33
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	31	31	31	29
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	28	28	28	26
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	25	25	25	24

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

	0°	45°	90°
0°	30781	30781	30781
5°	30494	30752	31001
10°	30111	30719	30906
15°	29524	30225	29787
20°	28720	29199	28201
25°	27643	27955	27507
30°	26210	27033	29451
35°	24576	27548	34276
40°	22680	29854	39384
45°	20698	33888	42042
50°	18630	37502	38809
55°	16687	37490	29368
60°	14709	31754	17741
65°	12619	21958	10580
70°	10253	14222	7476
75°	7800	10220	6712
80°	5599	9016	7171
85°	3799	9992	10105



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1860.0	3.2
10°-20°	5266.8	9.0
20°-30°	7707.1	13.2
30°-40°	10009.3	17.2
40°-50°	12222.6	21.0
50°-60°	10763.9	18.5
60°-70°	5609.1	9.6
70°-80°	2405.4	4.1
80°-90°	1155.2	2.0
90°-100°	542.7	0.9
100°-110°	337.3	0.6
110°-120°	199.5	0.3
120°-130°	108.4	0.2
130°-140°	54.4	0.1
140°-150°	26.2	0.0
150°-160°	9.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	14833.9	25.5
0°-40°	24843.2	42.6
0°-60°	47829.7	82.1
0°-90°	56999.4	97.8
90°-120°	1079.5	1.9
90°-150°	1268.5	2.2
90°-180°	1278.0	2.2
0°-180°	58277.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	19464	19464	19464	19464	19464	
5°	19283	19430	19535	19707	19686	###
15°	18246	18758	18938	18796	18645	5137
25°	16167	17032	16742	16427	16444	7419
35°	13123	14508	15235	17767	18905	8179
45°	9662	12157	16616	20118	20538	7450
55°	6433	10649	15474	13568	12060	5774
65°	3691	7378	7084	3939	3389	3652
75°	1486	3452	2276	1558	1478	1621
85°	315	1230	1159	1134	1146	351
90°	4	445	764	873	894	22
95°	8	260	609	714	735	6
105°	17	147	395	474	483	18
115°	25	84	244	298	306	26
125°	29	42	143	185	189	25
135°	25	25	67	113	118	20
145°	34	25	29	55	63	20
155°	34	34	25	25	25	10
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°	19463.5	19463.5	19463.5	19463.5	19463.5
2.5°	19379.5	19463.5	19467.7	19585.2	19572.6
5°	19282.9	19429.9	19534.8	19707.0	19686.0
7.5°	19123.3	19354.3	19539.0	19728.0	19711.2
10°	18896.6	19211.5	19455.1	19610.4	19560.0
12.5°	18602.6	19018.3	19257.7	19291.3	19194.7
15°	18245.7	18758.0	18938.5	18795.8	18644.6
17.5°	17842.5	18443.0	18506.0	18195.3	18006.3
20°	17338.6	18023.1	17960.1	17531.8	17321.8
22.5°	16780.1	17561.2	17359.6	16910.3	16708.8
25°	16167.1	17032.1	16742.3	16427.4	16444.2
27.5°	15449.0	16431.6	16150.3	16293.0	16561.8
30°	14718.3	15801.7	15629.6	16461.0	16990.1
32.5°	13916.3	15155.0	15310.4	16952.3	17817.4
35°	13122.6	14508.4	15234.8	17767.0	18905.0
37.5°	12245.0	13853.3	15356.6	18707.6	19900.2
40°	11392.5	13215.0	15633.8	19551.6	20559.5
42.5°	10523.3	12643.9	16099.9	20051.3	20836.6
45°	9662.4	12156.8	16616.4	20118.5	20538.5
47.5°	8801.6	11745.3	16973.3	19585.2	19392.1
50°	7970.1	11379.9	16998.5	18304.5	17515.0
52.5°	7193.3	11044.0	16536.6	16263.6	15037.5
55°	6433.2	10649.3	15474.2	13567.7	12060.2
57.5°	5740.4	10103.4	13836.5	10670.3	9024.2
60°	5005.5	9364.3	11720.1	7806.4	6508.8
62.5°	4329.4	8444.7	9347.5	5433.8	4677.9
65°	3691.1	7378.1	7084.1	3938.9	3388.8
67.5°	3015.1	6273.7	5228.0	2872.3	2519.5
70°	2485.9	5249.0	3892.7	2234.0	2028.2
72.5°	1944.2	4274.8	2910.1	1814.1	1700.7
75°	1486.5	3451.8	2276.0	1557.9	1478.1
77.5°	1096.0	2729.5	1830.9	1377.3	1301.8
80°	768.5	2150.0	1532.7	1230.4	1201.0
82.5°	516.5	1662.9	1306.0	1171.6	1175.8
85°	314.9	1230.4	1159.0	1133.8	1146.4
87.5°	151.2	873.4	995.2	1033.0	1045.6
90°	4.2	445.1	764.3	873.4	894.4
92.5°	0.0	340.1	671.9	781.1	802.1
95°	8.4	260.4	608.9	713.9	734.9
97.5°	8.4	214.2	545.9	655.1	667.7
100°	12.6	184.8	487.1	592.1	604.7
102.5°	12.6	163.8	436.7	529.1	537.5
105°	16.8	147.0	394.7	474.5	482.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	25.2	100.8	277.1	335.9	344.3
115°	25.2	84.0	243.6	298.1	306.5
117.5°	29.4	75.6	214.2	264.6	268.8
120°	29.4	63.0	184.8	235.2	239.4
122.5°	29.4	50.4	163.8	210.0	214.2
125°	29.4	42.0	142.8	184.8	189.0
127.5°	25.2	29.4	121.8	163.8	168.0
130°	25.2	25.2	100.8	142.8	151.2
132.5°	25.2	25.2	84.0	126.0	134.4
135°	25.2	25.2	67.2	113.4	117.6
137.5°	25.2	25.2	54.6	96.6	105.0
140°	25.2	25.2	42.0	84.0	88.2
142.5°	29.4	25.2	37.8	71.4	75.6
145°	33.6	25.2	29.4	54.6	63.0
147.5°	33.6	29.4	29.4	46.2	50.4
150°	33.6	33.6	25.2	33.6	42.0
152.5°	33.6	33.6	25.2	25.2	33.6
155°	33.6	33.6	25.2	25.2	25.2
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°	21.0	130.2	352.7	424.1	432.5
110°	21.0	113.4	310.7	377.9	386.3



(END OF REPORT)