

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: P830596

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830596
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-A-UNV-L735-CD
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

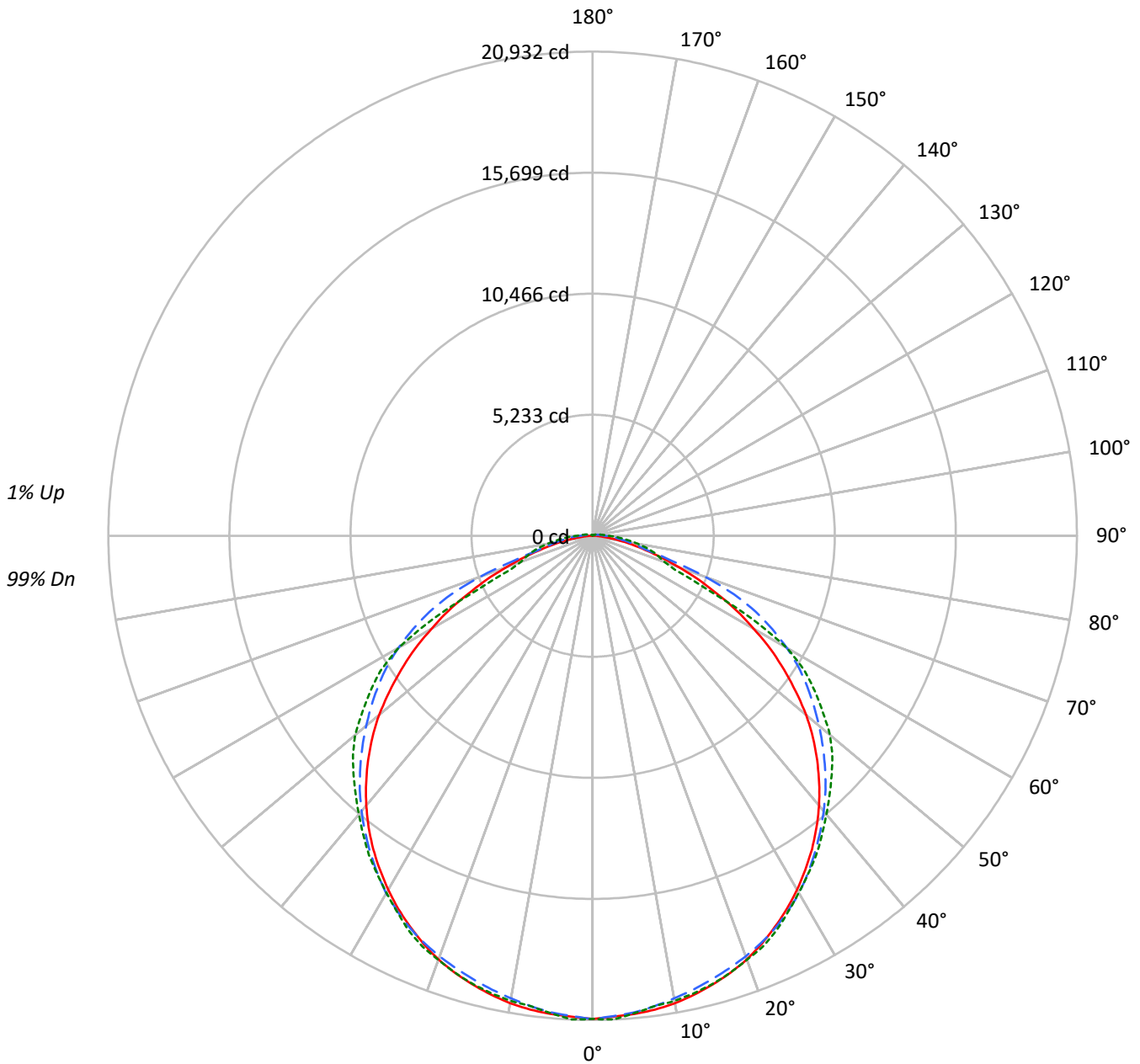
Lumens per Lamp: N/A
Luminaire Lumens: 59043.0 lumens
Efficiency: N/A
Efficacy: 174.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 338
Input Voltage (V): NR
Input Current (A_{in}): 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	106	106	106	101	101	101				99																
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86				83																
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72				70																
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61				59																
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53				51																
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46				44																
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40				38																
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36				34																
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32				30																
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29				27																
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26				24																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	33036	33036	33036
5°	32820	32556	32625
10°	32700	32063	32262
15°	32492	31694	32046
20°	32285	31462	31763
25°	31895	31228	31482
30°	31472	30859	30886
35°	30965	30274	30557
40°	30307	29670	30110
45°	29394	28970	29912
50°	28157	28174	29675
55°	26192	27391	28568
60°	23618	26244	26411
65°	20261	24117	16738
70°	16319	18827	12136
75°	12235	11176	12317
80°	8516	9293	11759
85°	4847	8515	11023



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1969.7	3.3
10°-20°	5648.1	9.6
20°-30°	8626.5	14.6
30°-40°	10466.9	17.7
40°-50°	10970.3	18.6
50°-60°	9940.7	16.8
60°-70°	6664.9	11.3
70°-80°	2992.8	5.1
80°-90°	1086.0	1.8
90°-100°	326.9	0.6
100°-110°	154.3	0.3
110°-120°	77.3	0.1
120°-130°	42.7	0.1
130°-140°	29.3	0.0
140°-150°	19.7	0.0
150°-160°	14.6	0.0
160°-170°	9.4	0.0
170°-180°	3.0	0.0
0°-30°	16244.3	27.5
0°-40°	26711.1	45.2
0°-60°	47622.1	80.7
0°-90°	58365.8	98.9
90°-120°	558.5	0.9
90°-150°	650.2	1.1
90°-180°	677.0	1.1
0°-180°	59043.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20890	20890	20890	20890	20890	
5°	20754	20826	20681	20744	20717	###
15°	20080	20001	19860	20035	20059	5669
25°	18654	18573	18703	18875	18820	8599
35°	16534	16573	16742	16921	16854	10334
45°	13722	13945	14205	14568	14613	10571
55°	10097	10584	11306	11759	11731	9013
65°	5926	6853	7781	6566	5361	5905
75°	2332	3383	2489	2546	2712	2548
85°	402	770	988	1193	1250	490
90°	3	257	510	640	670	24
95°	3	160	350	426	438	4
105°	12	70	172	208	218	14
115°	24	36	88	112	118	22
125°	21	24	54	63	66	21
135°	27	30	33	48	51	22
145°	27	30	30	33	36	18
155°	30	33	33	33	30	14
165°	33	33	33	33	33	9
175°	33	33	30	27	27	3
180°	30	30	30	30	30	



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CATALOG NUMBER: OHBL-60HE-A-UNV-L735-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	20889.5	20889.5	20889.5	20889.5	20889.5
2.5°	20804.9	20892.5	20783.7	20901.5	20931.7
5°	20753.5	20826.0	20681.1	20744.5	20717.3
7.5°	20659.9	20684.1	20511.9	20563.3	20508.9
10°	20521.0	20508.9	20306.5	20406.2	20418.3
12.5°	20315.6	20279.3	20098.1	20249.1	20252.1
15°	20080.0	20001.4	19859.5	20034.7	20058.8
17.5°	19808.1	19705.4	19611.8	19838.3	19802.1
20°	19491.0	19370.2	19352.1	19599.7	19509.1
22.5°	19098.3	19004.7	19047.0	19282.6	19225.2
25°	18654.3	18572.8	18702.7	18874.8	18820.5
27.5°	18186.2	18137.8	18285.8	18418.7	18313.0
30°	17672.7	17645.5	17841.8	17950.6	17817.7
32.5°	17113.9	17123.0	17310.2	17458.2	17334.4
35°	16534.0	16573.2	16742.4	16920.6	16854.1
37.5°	15896.7	15984.2	16153.4	16355.8	16286.3
40°	15223.1	15349.9	15537.2	15781.9	15718.4
42.5°	14495.2	14655.2	14896.9	15168.7	15162.7
45°	13721.9	13945.4	14205.2	14567.7	14613.0
47.5°	12918.5	13169.2	13498.4	13981.7	14051.2
50°	12045.6	12359.7	12770.5	13350.4	13392.7
52.5°	11073.0	11501.9	12045.6	12601.3	12550.0
55°	10097.4	10583.7	11305.6	11758.6	11731.4
57.5°	9124.8	9671.5	10547.4	10870.6	10867.6
60°	8037.4	8729.1	9686.6	9931.3	9689.6
62.5°	7031.6	7774.6	8768.4	8590.2	7762.6
65°	5926.1	6853.4	7780.7	6566.5	5361.3
67.5°	4944.5	5911.0	6608.8	4497.5	3851.1
70°	3956.8	5023.0	5152.9	3337.6	3292.3
72.5°	3080.9	4216.6	3555.1	2857.3	3002.3
75°	2331.8	3382.9	2488.9	2546.2	2712.4
77.5°	1700.5	2597.6	1936.1	2232.1	2368.0
80°	1168.9	1839.5	1579.7	1875.7	1969.3
82.5°	734.0	1214.2	1265.6	1510.2	1606.9
85°	401.7	770.2	987.7	1193.1	1250.5
87.5°	166.1	465.1	755.1	921.2	969.6
90°	3.0	256.7	510.5	640.3	670.5
92.5°	3.0	196.3	416.8	516.5	537.6
95°	3.0	160.1	350.4	425.9	438.0
97.5°	6.0	126.9	293.0	353.4	365.5
100°	9.1	105.7	244.7	296.0	305.1
102.5°	12.1	84.6	205.4	247.7	256.7
105°	12.1	69.5	172.2	208.4	217.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	21.1	42.3	102.7	129.9	135.9
115°	24.2	36.2	87.6	111.8	117.8
117.5°	24.2	30.2	75.5	93.6	99.7
120°	24.2	27.2	66.4	81.6	84.6
122.5°	24.2	24.2	57.4	72.5	75.5
125°	21.1	24.2	54.4	63.4	66.4
127.5°	24.2	24.2	48.3	57.4	60.4
130°	24.2	27.2	42.3	54.4	54.4
132.5°	27.2	30.2	39.3	51.3	51.3
135°	27.2	30.2	33.2	48.3	51.3
137.5°	30.2	30.2	30.2	45.3	48.3
140°	30.2	30.2	27.2	39.3	42.3
142.5°	27.2	30.2	27.2	36.2	39.3
145°	27.2	30.2	30.2	33.2	36.2
147.5°	30.2	30.2	30.2	30.2	33.2
150°	30.2	30.2	30.2	30.2	30.2
152.5°	30.2	30.2	30.2	30.2	30.2
155°	30.2	33.2	33.2	33.2	30.2
157.5°	30.2	33.2	33.2	33.2	33.2
160°	30.2	33.2	33.2	33.2	33.2
162.5°	33.2	33.2	33.2	33.2	33.2
165°	33.2	33.2	33.2	33.2	33.2
167.5°	33.2	36.2	33.2	33.2	33.2
170°	33.2	33.2	33.2	30.2	30.2
172.5°	33.2	33.2	33.2	30.2	30.2
175°	33.2	33.2	30.2	27.2	27.2
177.5°	36.2	33.2	30.2	27.2	24.2
180°	30.2	30.2	30.2	30.2	30.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	15.1	57.4	148.0	178.2	184.2
110°	18.1	48.3	123.8	151.0	157.1



(END OF REPORT)