

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: P830660

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830660
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-L835-CD
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

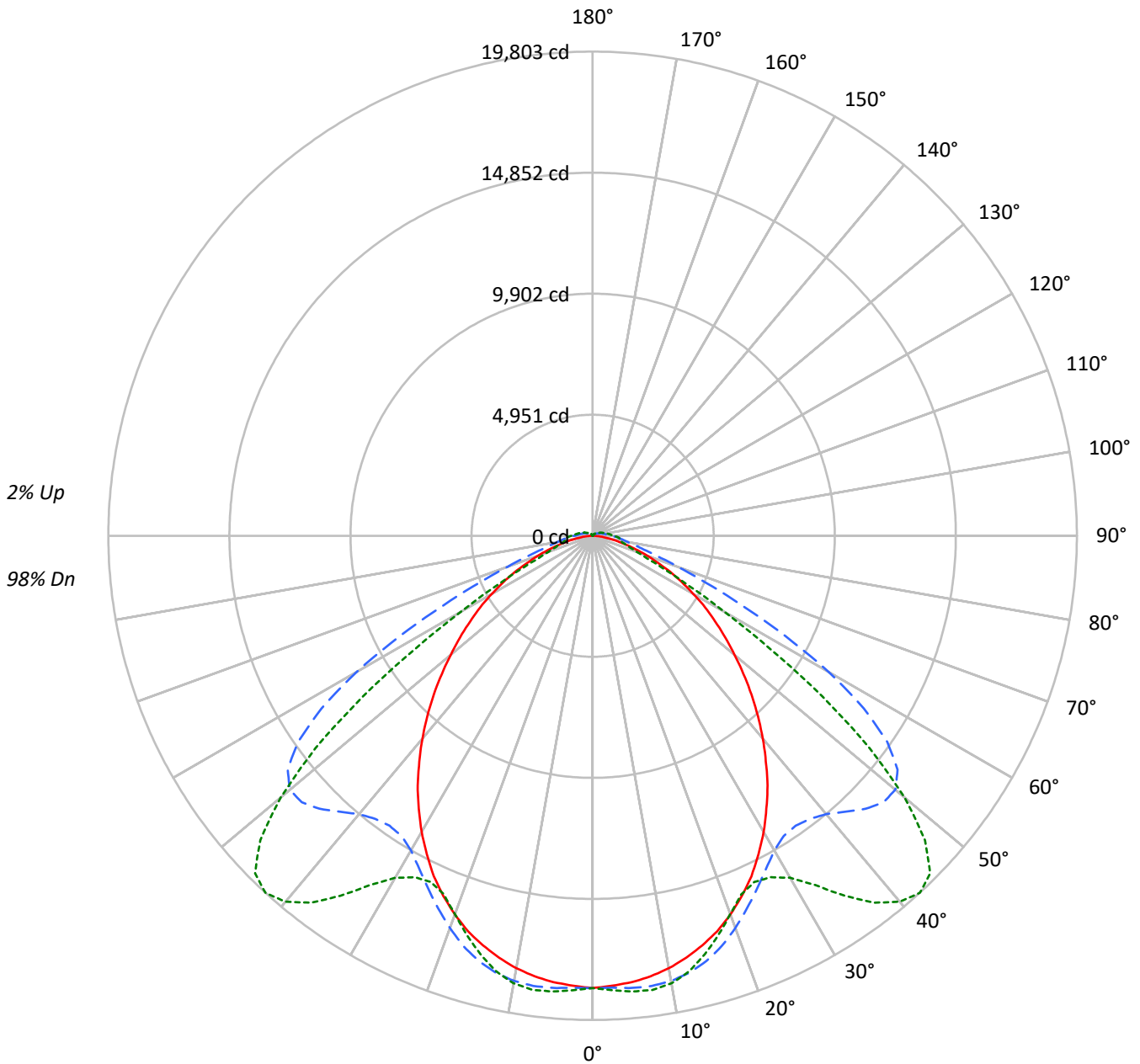
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55387.0 lumens
Efficiency: N/A
Efficacy: 163.9 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_{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					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°	29254	29254	29254
5°	28982	29227	29463
10°	28618	29195	29373
15°	28060	28726	28310
20°	27295	27751	26803
25°	26272	26569	26143
30°	24911	25692	27991
35°	23357	26182	32576
40°	21556	28374	37431
45°	19672	32207	39957
50°	17707	35642	36885
55°	15860	35631	27912
60°	13980	30179	16861
65°	11994	20869	10055
70°	9745	13517	7105
75°	7413	9713	6379
80°	5322	8569	6815
85°	3611	9496	9604



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1767.7	3.2
10°-20°	5005.6	9.0
20°-30°	7324.9	13.2
30°-40°	9512.9	17.2
40°-50°	11616.5	21.0
50°-60°	10230.1	18.5
60°-70°	5331.0	9.6
70°-80°	2286.1	4.1
80°-90°	1097.9	2.0
90°-100°	515.8	0.9
100°-110°	320.6	0.6
110°-120°	189.6	0.3
120°-130°	103.0	0.2
130°-140°	51.7	0.1
140°-150°	24.9	0.0
150°-160°	8.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	14098.3	25.5
0°-40°	23611.2	42.6
0°-60°	45457.8	82.1
0°-90°	54172.7	97.8
90°-120°	1026.0	1.9
90°-150°	1205.5	2.2
90°-180°	1214.0	2.2
0°-180°	55387.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18498	18498	18498	18498	18498	
5°	18327	18466	18566	18730	18710	###
15°	17341	17828	17999	17864	17720	4883
25°	15365	16188	15912	15613	15629	7051
35°	12472	13789	14479	16886	17967	7773
45°	9183	11554	15792	19121	19520	7081
55°	6114	10121	14707	12895	11462	5487
65°	3508	7012	6733	3744	3221	3471
75°	1413	3281	2163	1481	1405	1541
85°	299	1169	1102	1078	1090	334
90°	4	423	726	830	850	21
95°	8	247	579	678	698	6
105°	16	140	375	451	459	17
115°	24	80	232	283	291	25
125°	28	40	136	176	180	24
135°	24	24	64	108	112	19
145°	32	24	28	52	60	19
155°	32	32	24	24	24	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°	18498.2	18498.2	18498.2	18498.2	18498.2
2.5°	18418.4	18498.2	18502.2	18614.0	18602.0
5°	18326.6	18466.3	18566.1	18729.7	18709.8
7.5°	18175.0	18394.5	18570.1	18749.7	18733.7
10°	17959.5	18258.8	18490.3	18637.9	18590.0
12.5°	17680.1	18075.2	18302.7	18334.6	18242.8
15°	17340.9	17827.8	17999.4	17863.7	17720.0
17.5°	16957.7	17528.4	17588.3	17293.0	17113.4
20°	16478.8	17129.3	17069.5	16662.4	16462.8
22.5°	15948.0	16690.3	16498.8	16071.7	15880.2
25°	15365.3	16187.5	15912.1	15612.8	15628.7
27.5°	14682.9	15616.8	15349.4	15485.0	15740.5
30°	13988.4	15018.1	14854.5	15644.7	16147.6
32.5°	13226.1	14403.5	14551.2	16111.6	16933.8
35°	12471.8	13788.9	14479.3	16885.9	17967.4
37.5°	11637.7	13166.3	14595.1	17779.9	18913.3
40°	10827.6	12559.7	14858.5	18582.1	19539.9
42.5°	10001.4	12016.9	15301.5	19057.0	19803.3
45°	9183.3	11553.9	15792.4	19120.8	19519.9
47.5°	8365.1	11162.8	16131.6	18614.0	18430.4
50°	7574.9	10815.6	16155.5	17396.7	16646.4
52.5°	6836.6	10496.3	15716.5	15457.1	14291.7
55°	6114.2	10121.2	14706.8	12894.9	11462.1
57.5°	5455.7	9602.3	13150.3	10141.1	8576.6
60°	4757.3	8899.9	11138.9	7419.3	6186.0
62.5°	4114.7	8025.9	8883.9	5164.3	4446.0
65°	3508.1	7012.2	6732.8	3743.6	3220.7
67.5°	2865.5	5962.5	4968.8	2729.8	2394.6
70°	2362.7	4988.7	3699.6	2123.2	1927.6
72.5°	1847.8	4062.8	2765.8	1724.1	1616.4
75°	1412.8	3280.6	2163.1	1480.7	1404.8
77.5°	1041.6	2594.1	1740.1	1309.0	1237.2
80°	730.4	2043.4	1456.7	1169.4	1141.4
82.5°	490.9	1580.4	1241.2	1113.5	1117.5
85°	299.3	1169.4	1101.5	1077.6	1089.5
87.5°	143.7	830.1	945.9	981.8	993.8
90°	4.0	423.0	726.4	830.1	850.1
92.5°	0.0	323.3	638.6	742.3	762.3
95°	8.0	247.4	578.7	678.5	698.4
97.5°	8.0	203.5	518.8	622.6	634.6
100°	12.0	175.6	463.0	562.7	574.7
102.5°	12.0	155.6	415.1	502.9	510.8
105°	16.0	139.7	375.2	451.0	459.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	23.9	95.8	263.4	319.3	327.3
115°	23.9	79.8	231.5	283.4	291.3
117.5°	27.9	71.8	203.5	251.4	255.4
120°	27.9	59.9	175.6	223.5	227.5
122.5°	27.9	47.9	155.6	199.5	203.5
125°	27.9	39.9	135.7	175.6	179.6
127.5°	23.9	27.9	115.7	155.6	159.6
130°	23.9	23.9	95.8	135.7	143.7
132.5°	23.9	23.9	79.8	119.7	127.7
135°	23.9	23.9	63.9	107.8	111.7
137.5°	23.9	23.9	51.9	91.8	99.8
140°	23.9	23.9	39.9	79.8	83.8
142.5°	27.9	23.9	35.9	67.8	71.8
145°	31.9	23.9	27.9	51.9	59.9
147.5°	31.9	27.9	27.9	43.9	47.9
150°	31.9	31.9	23.9	31.9	39.9
152.5°	31.9	31.9	23.9	23.9	31.9
155°	31.9	31.9	23.9	23.9	23.9
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°	20.0	123.7	335.2	403.1	411.1
110°	20.0	107.8	295.3	359.2	367.2



(END OF REPORT)