

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: P830636

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830636
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-60HE-N-UNV-L835-CD
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

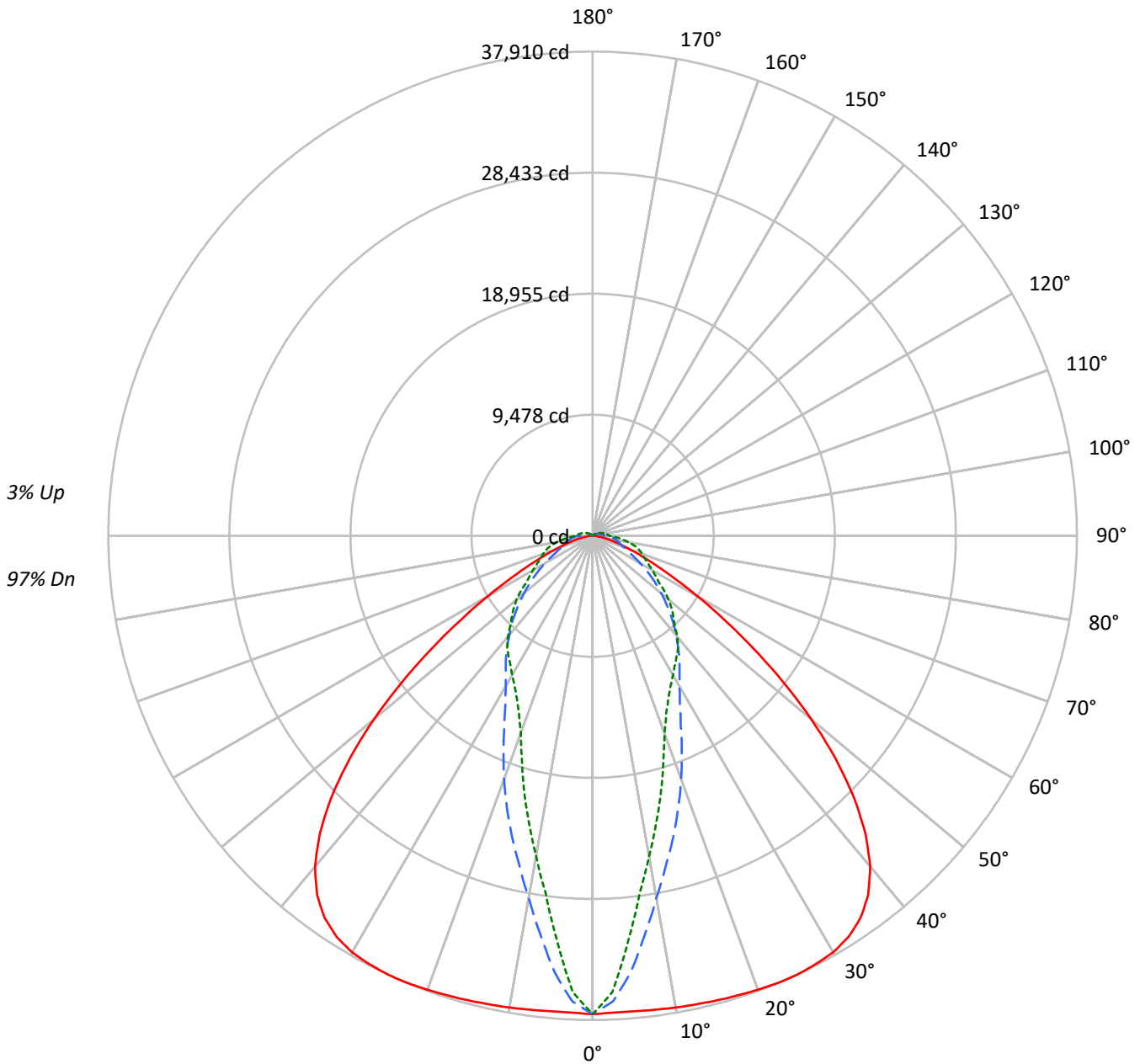
Lumens per Lamp: N/A
Luminaire Lumens: 55272.0 lumens
Efficiency: N/A
Efficacy: 163.5 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97																
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	85	82																
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	73	71																
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	64	62																
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	56	54																
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	50	48																
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	45	43																
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	41	39																
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	37	35																
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	34	32																
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	32	30																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	59226	59226	59226
5°	59105	53960	50179
10°	59772	45473	40262
15°	60939	38908	33067
20°	62651	32914	26763
25°	64818	27257	23467
30°	67059	23494	21816
35°	68454	21423	20802
40°	67283	19364	19753
45°	61897	17511	18305
50°	52222	15483	17201
55°	39681	13575	15328
60°	27808	11656	14699
65°	18705	10054	14422
70°	12774	9455	15174
75°	8865	9779	16282
80°	6103	10882	16877
85°	3569	13735	17940



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3152.5	5.7
10°-20°	7416.0	13.4
20°-30°	9295.9	16.8
30°-40°	9864.0	17.8
40°-50°	8918.6	16.1
50°-60°	6466.6	11.7
60°-70°	4058.1	7.3
70°-80°	2685.5	4.9
80°-90°	1547.1	2.8
90°-100°	749.5	1.4
100°-110°	517.3	0.9
110°-120°	319.2	0.6
120°-130°	154.6	0.3
130°-140°	71.1	0.1
140°-150°	38.9	0.1
150°-160°	16.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	19864.4	35.9
0°-40°	29728.4	53.8
0°-60°	45113.6	81.6
0°-90°	53404.4	96.6
90°-120°	1586.1	2.9
90°-150°	1850.7	3.3
90°-180°	1868.0	3.4
0°-180°	55272.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	37450	37450	37450	37450	37450	
5°	37375	36416	34278	32688	31864	###
15°	37660	30695	24380	21681	20698	10680
25°	37910	23734	16324	14489	14029	17514
35°	36552	15779	11848	11477	11473	22722
45°	28896	9994	8586	8793	8943	22012
55°	15298	6195	5603	6077	6294	13822
65°	5471	3593	3244	4156	4619	5693
75°	1690	1935	2178	3382	3586	1883
85°	296	802	1593	2217	2035	355
90°	0	335	923	1301	1312	19
95°	14	235	813	1105	1155	13
105°	28	157	592	784	806	29
115°	39	110	399	499	510	38
125°	43	57	203	257	253	37
135°	36	43	89	139	139	28
145°	43	46	54	82	78	26
155°	43	54	57	61	54	13
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°	37449.7	37449.7	37449.7	37449.7	37449.7
2.5°	37371.3	37157.5	36490.9	36084.6	35742.4
5°	37374.9	36416.1	34277.5	32687.9	31864.5
7.5°	37428.3	35296.9	31443.9	29123.6	28218.3
10°	37510.3	33910.4	28799.3	26325.7	25480.9
12.5°	37570.9	32349.3	26471.8	23930.5	23003.8
15°	37660.0	30695.4	24379.6	21681.4	20697.7
17.5°	37742.0	29137.9	22312.3	19493.0	18398.7
20°	37824.0	27459.1	20245.0	17340.1	16438.4
22.5°	37902.4	25687.7	18227.6	15668.5	15051.9
25°	37909.5	23734.4	16324.3	14488.7	14028.9
27.5°	37816.8	21709.9	14781.0	13501.4	13216.3
30°	37656.5	19746.0	13583.4	12788.6	12585.4
32.5°	37257.3	17742.9	12656.7	12100.7	11983.1
35°	36551.5	15779.0	11847.6	11476.9	11473.4
37.5°	35439.5	14036.1	10970.8	10906.6	10985.1
40°	33796.4	12510.6	10140.3	10311.4	10311.4
42.5°	31604.3	11184.7	9388.3	9562.9	9516.6
45°	28895.5	9994.2	8586.3	8793.0	8942.7
47.5°	25755.4	8946.3	7766.5	8165.7	8372.5
50°	22340.8	7948.3	7018.0	7527.7	7763.0
52.5°	18762.3	7025.2	6287.4	6871.9	7060.8
55°	15297.8	6194.7	5603.0	6077.1	6294.5
57.5°	12161.3	5403.4	4932.9	5382.0	5831.1
60°	9463.1	4722.7	4302.1	4943.6	5392.7
62.5°	7228.3	4116.7	3710.4	4533.7	4982.8
65°	5471.1	3592.8	3243.5	4155.9	4619.3
67.5°	4123.9	3140.1	2879.9	3881.5	4334.1
70°	3097.3	2701.7	2587.7	3710.4	4116.7
72.5°	2288.3	2299.0	2356.0	3560.7	3870.8
75°	1689.5	1935.4	2177.8	3382.5	3585.7
77.5°	1208.3	1603.9	2017.4	3168.6	3239.9
80°	837.6	1308.1	1849.9	2887.1	2826.5
82.5°	523.9	1047.9	1700.2	2577.0	2409.4
85°	295.8	802.0	1593.2	2217.0	2035.2
87.5°	131.9	598.8	1393.6	1728.7	1614.6
90°	0.0	335.0	923.1	1301.0	1311.6
92.5°	7.1	278.0	851.9	1190.5	1226.1
95°	14.3	235.2	812.7	1104.9	1154.8
97.5°	17.8	206.7	762.8	1026.5	1069.3
100°	21.4	185.3	702.2	944.5	980.2
102.5°	24.9	171.1	645.1	859.0	887.5
105°	28.5	156.8	591.7	784.1	805.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	35.6	121.2	445.5	563.2	581.0
115°	39.2	110.5	399.2	499.0	509.7
117.5°	42.8	96.2	349.3	438.4	442.0
120°	42.8	85.5	299.4	374.2	374.2
122.5°	42.8	71.3	249.5	310.1	306.5
125°	42.8	57.0	203.2	256.6	253.1
127.5°	39.2	46.3	164.0	213.9	210.3
130°	39.2	46.3	131.9	181.8	181.8
132.5°	35.6	42.8	106.9	156.8	156.8
135°	35.6	42.8	89.1	139.0	139.0
137.5°	35.6	46.3	74.8	121.2	121.2
140°	35.6	42.8	64.2	106.9	106.9
142.5°	39.2	42.8	57.0	92.7	92.7
145°	42.8	46.3	53.5	82.0	78.4
147.5°	42.8	49.9	53.5	71.3	67.7
150°	42.8	53.5	53.5	64.2	60.6
152.5°	42.8	53.5	53.5	60.6	57.0
155°	42.8	53.5	57.0	60.6	53.5
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°	28.5	146.1	541.8	702.2	727.1
110°	32.1	131.9	495.4	627.3	652.3



(END OF REPORT)