

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: P830637

Luminaire Tested: **OHBL-60HE-N-UNV-L840-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830637
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-L840-CD
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 4000K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

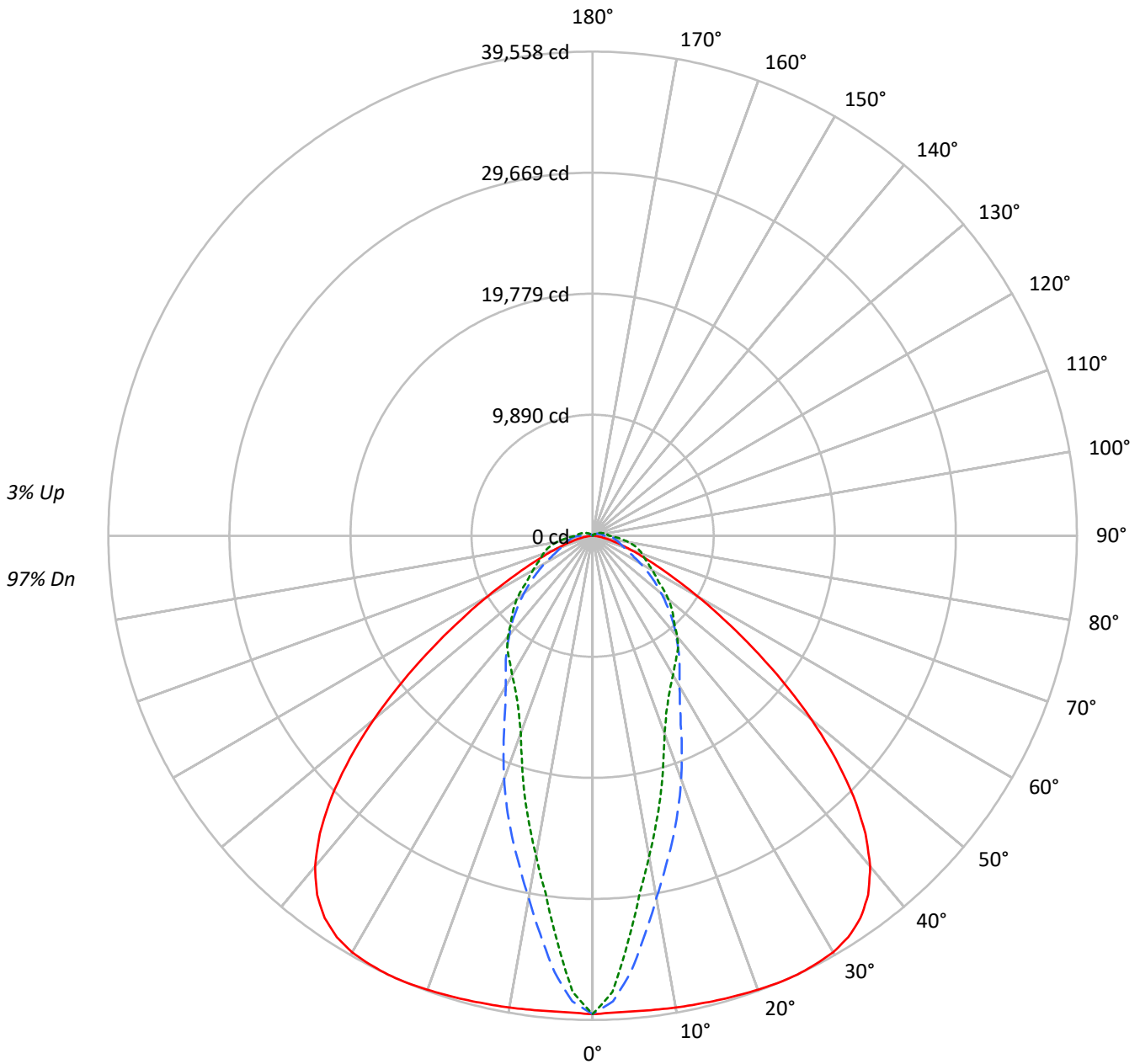
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 57675.0 lumens
Efficiency: N/A
Efficacy: 170.6 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					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	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	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	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	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	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	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	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	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	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	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	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	32	32	32	30		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	61801	61801	61801
5°	61675	56306	52361
10°	62371	47450	42012
15°	63589	40600	34505
20°	65375	34345	27927
25°	67636	28442	24487
30°	69974	24515	22765
35°	71430	22355	21706
40°	70208	20206	20611
45°	64588	18272	19101
50°	54493	16156	17949
55°	41406	14165	15994
60°	29017	12163	15338
65°	19518	10491	15049
70°	13330	9866	15834
75°	9250	10204	16990
80°	6368	11355	17611
85°	3725	14332	18720



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3289.5	5.7
10°-20°	7738.4	13.4
20°-30°	9700.1	16.8
30°-40°	10292.9	17.8
40°-50°	9306.4	16.1
50°-60°	6747.7	11.7
60°-70°	4234.5	7.3
70°-80°	2802.3	4.9
80°-90°	1614.4	2.8
90°-100°	782.1	1.4
100°-110°	539.8	0.9
110°-120°	333.1	0.6
120°-130°	161.3	0.3
130°-140°	74.2	0.1
140°-150°	40.5	0.1
150°-160°	17.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	20728.0	35.9
0°-40°	31020.9	53.8
0°-60°	47075.0	81.6
0°-90°	55726.2	96.6
90°-120°	1655.1	2.9
90°-150°	1931.2	3.3
90°-180°	1949.0	3.4
0°-180°	57675.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	39078	39078	39078	39078	39078	
5°	39000	37999	35768	34109	33250	###
15°	39297	32030	25440	22624	21598	11144
25°	39558	24766	17034	15119	14639	18275
35°	38141	16465	12363	11976	11972	23710
45°	30152	10429	8960	9175	9332	22970
55°	15963	6464	5847	6341	6568	14423
65°	5709	3749	3384	4337	4820	5941
75°	1763	2020	2272	3530	3742	1965
85°	309	837	1662	2313	2124	370
90°	0	350	963	1358	1369	20
95°	15	246	848	1153	1205	13
105°	30	164	617	818	840	30
115°	41	115	417	521	532	40
125°	45	60	212	268	264	39
135°	37	45	93	145	145	29
145°	45	48	56	86	82	27
155°	45	56	60	63	56	14
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°	39077.9	39077.9	39077.9	39077.9	39077.9
2.5°	38996.1	38772.9	38077.4	37653.4	37296.4
5°	38999.8	37999.3	35767.8	34109.0	33249.9
7.5°	39055.6	36831.5	32811.0	30389.8	29445.1
10°	39141.1	35384.7	30051.3	27470.2	26588.7
12.5°	39204.3	33755.7	27622.7	24970.9	24003.9
15°	39297.3	32030.0	25439.5	22624.0	21597.5
17.5°	39382.9	30404.7	23282.3	20340.4	19198.6
20°	39468.4	28652.9	21125.2	18094.0	17153.1
22.5°	39550.2	26804.4	19020.1	16349.7	15706.3
25°	39557.7	24766.3	17034.0	15118.6	14638.9
27.5°	39461.0	22653.8	15423.6	14088.4	13790.9
30°	39293.6	20604.5	14174.0	13344.6	13132.6
32.5°	38877.1	18514.3	13207.0	12626.8	12504.0
35°	38140.6	16465.0	12362.7	11975.9	11972.2
37.5°	36980.2	14646.3	11447.8	11380.8	11462.6
40°	35265.7	13054.5	10581.2	10759.7	10759.7
42.5°	32978.4	11670.9	9796.4	9978.7	9930.3
45°	30151.8	10428.7	8959.6	9175.3	9331.5
47.5°	26875.1	9335.3	8104.2	8520.7	8736.5
50°	23312.1	8293.9	7323.2	7855.0	8100.5
52.5°	19578.0	7330.6	6560.7	7170.7	7367.8
55°	15962.9	6464.0	5846.6	6341.3	6568.1
57.5°	12690.0	5638.3	5147.4	5616.0	6084.7
60°	9874.5	4928.0	4489.1	5158.6	5627.2
62.5°	7542.6	4295.7	3871.7	4730.9	5199.5
65°	5709.0	3749.0	3384.5	4336.6	4820.1
67.5°	4303.1	3276.6	3005.1	4050.2	4522.6
70°	3232.0	2819.2	2700.2	3871.7	4295.7
72.5°	2387.7	2398.9	2458.4	3715.5	4039.1
75°	1762.9	2019.5	2272.4	3529.5	3741.5
77.5°	1260.8	1673.7	2105.1	3306.4	3380.8
80°	874.0	1365.0	1930.3	3012.6	2949.3
82.5°	546.7	1093.5	1774.1	2689.0	2514.2
85°	308.7	836.8	1662.5	2313.4	2123.7
87.5°	137.6	624.8	1454.2	1803.8	1684.8
90°	0.0	349.6	963.3	1357.5	1368.7
92.5°	7.4	290.1	888.9	1242.2	1279.4
95°	14.9	245.5	848.0	1153.0	1205.0
97.5°	18.6	215.7	795.9	1071.1	1115.8
100°	22.3	193.4	732.7	985.6	1022.8
102.5°	26.0	178.5	673.2	896.3	926.1
105°	29.8	163.6	617.4	818.2	840.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	37.2	126.5	464.9	587.6	606.2
115°	40.9	115.3	416.6	520.7	531.8
117.5°	44.6	100.4	364.5	457.5	461.2
120°	44.6	89.3	312.4	390.5	390.5
122.5°	44.6	74.4	260.3	323.6	319.9
125°	44.6	59.5	212.0	267.8	264.1
127.5°	40.9	48.3	171.1	223.2	219.4
130°	40.9	48.3	137.6	189.7	189.7
132.5°	37.2	44.6	111.6	163.6	163.6
135°	37.2	44.6	93.0	145.0	145.0
137.5°	37.2	48.3	78.1	126.5	126.5
140°	37.2	44.6	66.9	111.6	111.6
142.5°	40.9	44.6	59.5	96.7	96.7
145°	44.6	48.3	55.8	85.5	81.8
147.5°	44.6	52.1	55.8	74.4	70.7
150°	44.6	55.8	55.8	66.9	63.2
152.5°	44.6	55.8	55.8	63.2	59.5
155°	44.6	55.8	59.5	63.2	55.8
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°	29.8	152.5	565.3	732.7	758.7
110°	33.5	137.6	517.0	654.6	680.6



(END OF REPORT)