

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: P830662

Luminaire Tested: **OHBL-60HE-W-UNV-L850-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830662
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-L850-CD
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 5000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

Summary

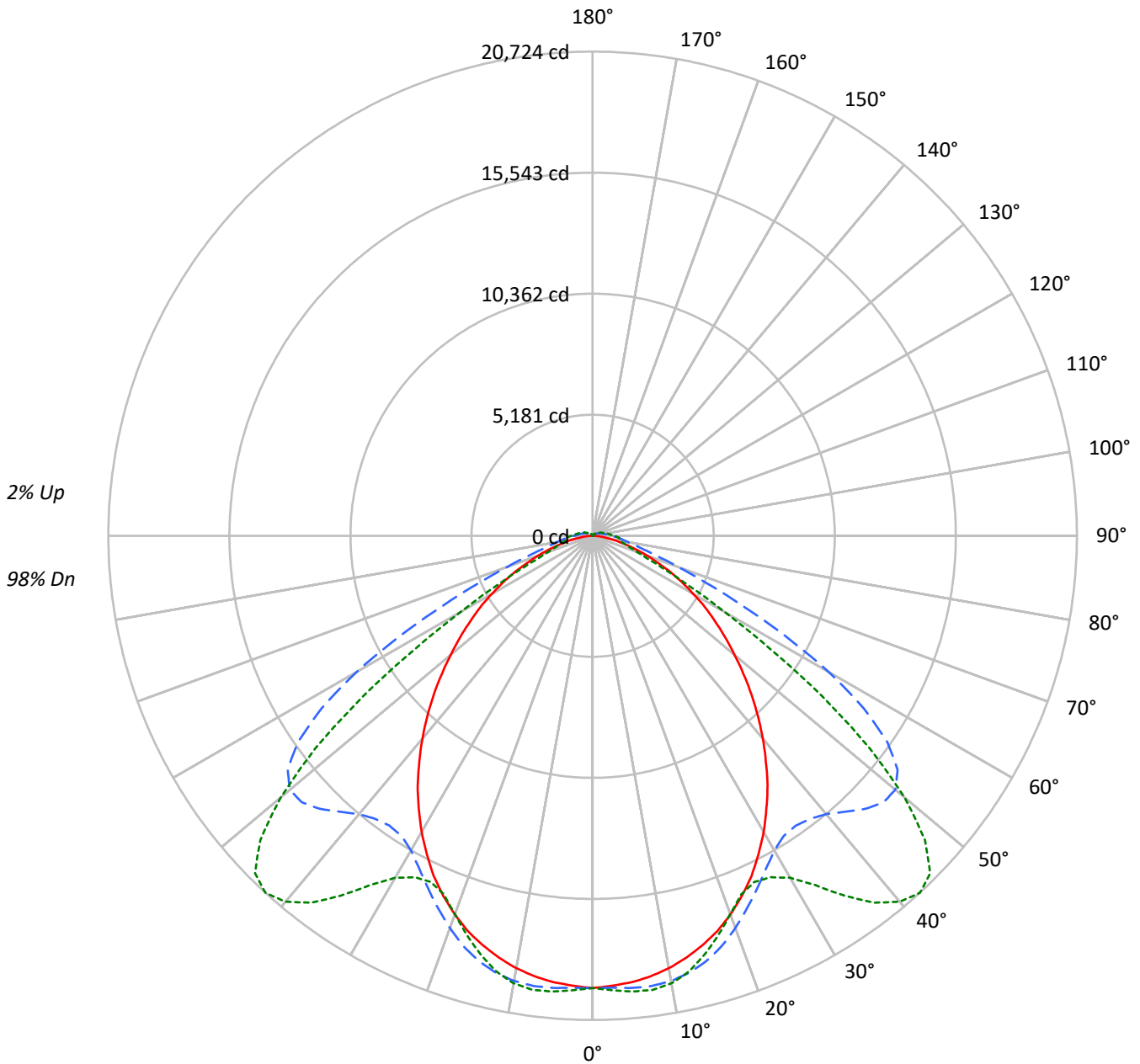
Lumens per Lamp: N/A
Luminaire Lumens: 57963.0 lumens
Efficiency: N/A
Efficacy: 171.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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				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°	30615	30615	30615
5°	30330	30586	30834
10°	29949	30553	30740
15°	29365	30062	29626
20°	28565	29042	28050
25°	27494	27804	27358
30°	26069	26887	29293
35°	24444	27400	34091
40°	22558	29693	39172
45°	20587	33705	41815
50°	18530	37300	38600
55°	16597	37288	29210
60°	14630	31583	17646
65°	12551	21839	10523
70°	10198	14146	7436
75°	7758	10165	6676
80°	5568	8968	7133
85°	3779	9937	10050



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1849.9	3.2
10°-20°	5238.4	9.0
20°-30°	7665.6	13.2
30°-40°	9955.4	17.2
40°-50°	12156.7	21.0
50°-60°	10705.9	18.5
60°-70°	5578.9	9.6
70°-80°	2392.4	4.1
80°-90°	1148.9	2.0
90°-100°	539.8	0.9
100°-110°	335.5	0.6
110°-120°	198.4	0.3
120°-130°	107.8	0.2
130°-140°	54.1	0.1
140°-150°	26.0	0.0
150°-160°	9.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	14754.0	25.5
0°-40°	24709.3	42.6
0°-60°	47571.9	82.1
0°-90°	56692.2	97.8
90°-120°	1073.7	1.9
90°-150°	1261.6	2.2
90°-180°	1271.0	2.2
0°-180°	57963.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19359	19359	19359	19359	19359	
5°	19179	19325	19430	19601	19580	###
15°	18147	18657	18836	18694	18544	5110
25°	16080	16940	16652	16339	16356	7379
35°	13052	14430	15153	17671	18803	8135
45°	9610	12091	16527	20010	20428	7410
55°	6399	10592	15391	13495	11995	5743
65°	3671	7338	7046	3918	3370	3632
75°	1478	3433	2264	1550	1470	1612
85°	313	1224	1153	1128	1140	349
90°	4	443	760	869	890	22
95°	8	259	606	710	731	6
105°	17	146	393	472	480	18
115°	25	84	242	296	305	26
125°	29	42	142	184	188	25
135°	25	25	67	113	117	19
145°	33	25	29	54	63	20
155°	33	33	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°	19358.6	19358.6	19358.6	19358.6	19358.6
2.5°	19275.1	19358.6	19362.8	19479.7	19467.2
5°	19179.0	19325.2	19429.6	19600.8	19579.9
7.5°	19020.3	19250.0	19433.8	19621.7	19605.0
10°	18794.7	19108.0	19350.2	19504.8	19454.6
12.5°	18502.4	18915.9	19153.9	19187.3	19091.3
15°	18147.4	18656.9	18836.5	18694.5	18544.1
17.5°	17746.4	18343.7	18406.3	18097.2	17909.3
20°	17245.2	17926.0	17863.4	17437.3	17228.5
22.5°	16689.7	17466.6	17266.1	16819.2	16618.7
25°	16079.9	16940.3	16652.1	16338.9	16355.6
27.5°	15365.7	16343.1	16063.2	16205.2	16472.5
30°	14639.0	15716.6	15545.3	16372.3	16898.6
32.5°	13841.3	15073.4	15227.9	16861.0	17721.4
35°	13051.9	14430.2	15152.7	17671.2	18803.1
37.5°	12179.0	13778.6	15273.9	18606.8	19793.0
40°	11331.1	13143.8	15549.5	19446.3	20448.7
42.5°	10466.6	12575.8	16013.1	19943.3	20724.3
45°	9610.4	12091.3	16526.8	20010.1	20427.8
47.5°	8754.2	11682.0	16881.9	19479.7	19287.6
50°	7927.2	11318.6	16906.9	18205.8	17420.6
52.5°	7154.5	10984.5	16447.5	16176.0	14956.4
55°	6398.6	10591.9	15390.8	13494.6	11995.2
57.5°	5709.4	10048.9	13761.9	10612.8	8975.5
60°	4978.5	9313.8	11656.9	7764.3	6473.7
62.5°	4306.1	8399.2	9297.1	5404.5	4652.7
65°	3671.2	7338.3	7045.9	3917.7	3370.5
67.5°	2998.8	6239.9	5199.9	2856.8	2506.0
70°	2472.6	5220.8	3871.7	2222.0	2017.3
72.5°	1933.8	4251.8	2894.4	1804.3	1691.5
75°	1478.5	3433.2	2263.7	1549.5	1470.2
77.5°	1090.1	2714.8	1821.0	1369.9	1294.7
80°	764.3	2138.4	1524.5	1223.7	1194.5
82.5°	513.7	1653.9	1298.9	1165.3	1169.5
85°	313.2	1223.7	1152.7	1127.7	1140.2
87.5°	150.4	868.7	989.9	1027.4	1040.0
90°	4.2	442.7	760.1	868.7	889.6
92.5°	0.0	338.3	668.3	776.8	797.7
95°	8.4	258.9	605.6	710.0	730.9
97.5°	8.4	213.0	543.0	651.6	664.1
100°	12.5	183.8	484.5	588.9	601.4
102.5°	12.5	162.9	434.4	526.3	534.6
105°	16.7	146.2	392.6	472.0	480.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	25.1	100.2	275.7	334.1	342.5
115°	25.1	83.5	242.2	296.5	304.9
117.5°	29.2	75.2	213.0	263.1	267.3
120°	29.2	62.6	183.8	233.9	238.1
122.5°	29.2	50.1	162.9	208.8	213.0
125°	29.2	41.8	142.0	183.8	187.9
127.5°	25.1	29.2	121.1	162.9	167.1
130°	25.1	25.1	100.2	142.0	150.4
132.5°	25.1	25.1	83.5	125.3	133.7
135°	25.1	25.1	66.8	112.8	116.9
137.5°	25.1	25.1	54.3	96.1	104.4
140°	25.1	25.1	41.8	83.5	87.7
142.5°	29.2	25.1	37.6	71.0	75.2
145°	33.4	25.1	29.2	54.3	62.6
147.5°	33.4	29.2	29.2	45.9	50.1
150°	33.4	33.4	25.1	33.4	41.8
152.5°	33.4	33.4	25.1	25.1	33.4
155°	33.4	33.4	25.1	25.1	25.1
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°	20.9	129.5	350.8	421.8	430.2
110°	20.9	112.8	309.1	375.9	384.2



(END OF REPORT)