

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: P830733

Luminaire Tested: **OHBL-60SE-W-UNV-L840-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830733
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-60SE-W-UNV-L840-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 4000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

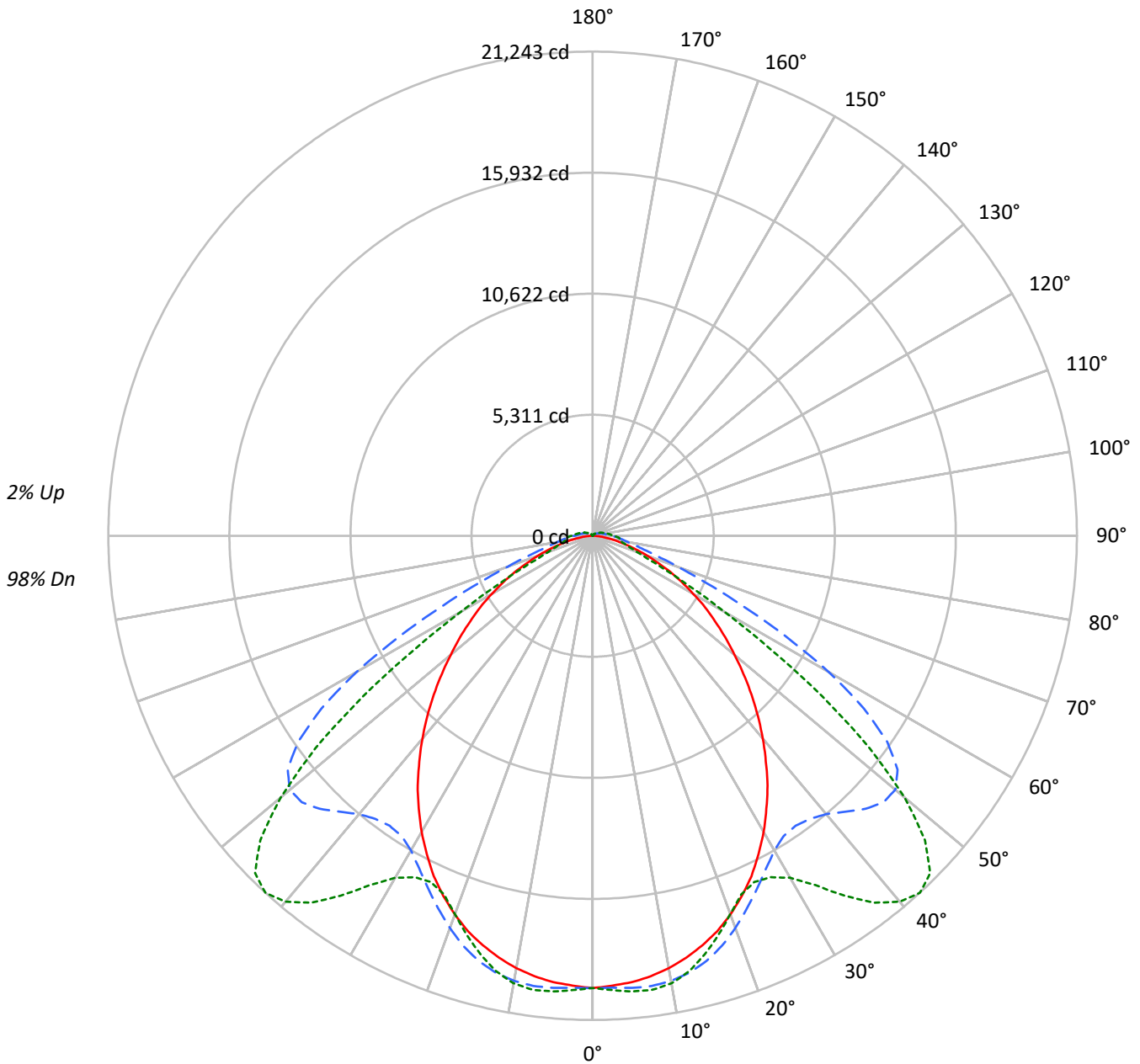
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59413.1 lumens
Efficiency: N/A
Efficacy: 164.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 362
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

TEST NUMBER: P830733
CATALOG NUMBER: OHBL-60SE-W-UNV-L840-CD

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	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°	33891	33891	33891
5°	33576	33844	34111
10°	33154	33792	33986
15°	32508	33233	32733
20°	31622	32091	30971
25°	30436	30708	30186
30°	28859	29680	32296
35°	27060	30228	37556
40°	24972	32738	43115
45°	22790	37135	45978
50°	20513	41062	42394
55°	18373	41009	32037
60°	16195	34693	19320
65°	13895	23954	11496
70°	11289	15484	8100
75°	8588	11094	7241
80°	6164	9741	7684
85°	4184	10697	10686



TEST NUMBER: P830733

CATALOG NUMBER: OHBL-60SE-W-UNV-L840-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1896.2	3.2
10°-20°	5369.5	9.0
20°-30°	7857.3	13.2
30°-40°	10204.4	17.2
40°-50°	12460.9	21.0
50°-60°	10973.7	18.5
60°-70°	5718.5	9.6
70°-80°	2452.3	4.1
80°-90°	1177.7	2.0
90°-100°	553.3	0.9
100°-110°	343.9	0.6
110°-120°	203.3	0.3
120°-130°	110.5	0.2
130°-140°	55.5	0.1
140°-150°	26.7	0.0
150°-160°	9.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	15123.0	25.5
0°-40°	25327.4	42.6
0°-60°	48762.0	82.1
0°-90°	58110.5	97.8
90°-120°	1100.5	1.9
90°-150°	1293.2	2.2
90°-180°	1303.0	2.2
0°-180°	59413.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19843	19843	19843	19843	19843	
5°	19659	19809	19916	20091	20070	###
15°	18601	19124	19308	19162	19008	5238
25°	16482	17364	17069	16748	16765	7564
35°	13378	14791	15532	18113	19274	8339
45°	9851	12394	16940	20511	20939	7596
55°	6559	10857	15776	13832	12295	5886
65°	3763	7522	7222	4016	3455	3723
75°	1516	3519	2320	1588	1507	1653
85°	321	1254	1182	1156	1169	358
90°	4	454	779	890	912	22
95°	9	265	621	728	749	6
105°	17	150	402	484	492	18
115°	26	86	248	304	312	27
125°	30	43	146	188	193	26
135°	26	26	68	116	120	20
145°	34	26	30	56	64	20
155°	34	34	26	26	26	11
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P830733

CATALOG NUMBER: OHBL-60SE-W-UNV-L840-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19842.9	19842.9	19842.9	19842.9	19842.9
2.5°	19757.2	19842.9	19847.1	19967.0	19954.2
5°	19658.8	19808.6	19915.6	20091.2	20069.8
7.5°	19496.1	19731.5	19919.9	20112.6	20095.4
10°	19264.9	19586.0	19834.3	19992.7	19941.3
12.5°	18965.2	19389.1	19633.1	19667.3	19568.9
15°	18601.3	19123.6	19307.7	19162.2	19008.0
17.5°	18190.4	18802.6	18866.8	18550.0	18357.3
20°	17676.6	18374.4	18310.2	17873.6	17659.5
22.5°	17107.2	17903.5	17698.0	17240.0	17034.5
25°	16482.2	17364.1	17068.7	16747.6	16764.8
27.5°	15750.1	16751.9	16465.1	16610.6	16884.6
30°	15005.2	16109.7	15934.2	16781.9	17321.3
32.5°	14187.5	15450.5	15608.9	17282.8	18164.7
35°	13378.4	14791.2	15531.8	18113.3	19273.5
37.5°	12483.7	14123.3	15656.0	19072.3	20288.1
40°	11614.6	13472.6	15938.5	19932.8	20960.2
42.5°	10728.4	12890.4	16413.7	20442.2	21242.8
45°	9850.8	12393.8	16940.3	20510.7	20938.8
47.5°	8973.2	11974.2	17304.2	19967.0	19770.1
50°	8125.5	11601.8	17329.9	18661.3	17856.4
52.5°	7333.5	11259.3	16858.9	16580.7	15330.6
55°	6558.6	10856.8	15775.8	13832.2	12295.3
57.5°	5852.3	10300.3	14106.2	10878.3	9200.1
60°	5103.1	9546.8	11948.5	7958.5	6635.7
62.5°	4413.8	8609.3	9529.7	5539.7	4769.1
65°	3763.1	7521.9	7222.2	4015.7	3454.8
67.5°	3073.8	6396.0	5330.0	2928.3	2568.7
70°	2534.4	5351.4	3968.6	2277.5	2067.8
72.5°	1982.1	4358.2	2966.8	1849.4	1733.8
75°	1515.5	3519.1	2320.4	1588.3	1506.9
77.5°	1117.4	2782.7	1866.6	1404.2	1327.1
80°	783.4	2191.9	1562.6	1254.4	1224.4
82.5°	526.6	1695.3	1331.4	1194.4	1198.7
85°	321.1	1254.4	1181.6	1155.9	1168.7
87.5°	154.1	890.5	1014.6	1053.1	1066.0
90°	4.3	453.8	779.2	890.5	911.9
92.5°	0.0	346.8	685.0	796.3	817.7
95°	8.6	265.4	620.8	727.8	749.2
97.5°	8.6	218.3	556.5	667.9	680.7
100°	12.8	188.4	496.6	603.6	616.5
102.5°	12.8	167.0	445.2	539.4	548.0
105°	17.1	149.8	402.4	483.8	492.3



TEST NUMBER: P830733

CATALOG NUMBER: OHBL-60SE-W-UNV-L840-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	25.7	102.7	282.6	342.5	351.0
115°	25.7	85.6	248.3	304.0	312.5
117.5°	30.0	77.1	218.3	269.7	274.0
120°	30.0	64.2	188.4	239.7	244.0
122.5°	30.0	51.4	167.0	214.1	218.3
125°	30.0	42.8	145.6	188.4	192.6
127.5°	25.7	30.0	124.2	167.0	171.2
130°	25.7	25.7	102.7	145.6	154.1
132.5°	25.7	25.7	85.6	128.4	137.0
135°	25.7	25.7	68.5	115.6	119.9
137.5°	25.7	25.7	55.7	98.5	107.0
140°	25.7	25.7	42.8	85.6	89.9
142.5°	30.0	25.7	38.5	72.8	77.1
145°	34.2	25.7	30.0	55.7	64.2
147.5°	34.2	30.0	30.0	47.1	51.4
150°	34.2	34.2	25.7	34.2	42.8
152.5°	34.2	34.2	25.7	25.7	34.2
155°	34.2	34.2	25.7	25.7	25.7
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°	21.4	132.7	359.6	432.4	441.0
110°	21.4	115.6	316.8	385.3	393.9



(END OF REPORT)