

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: P830737

Luminaire Tested: **OHBL-60SE-W-UNV-L940-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830737
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-L940-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

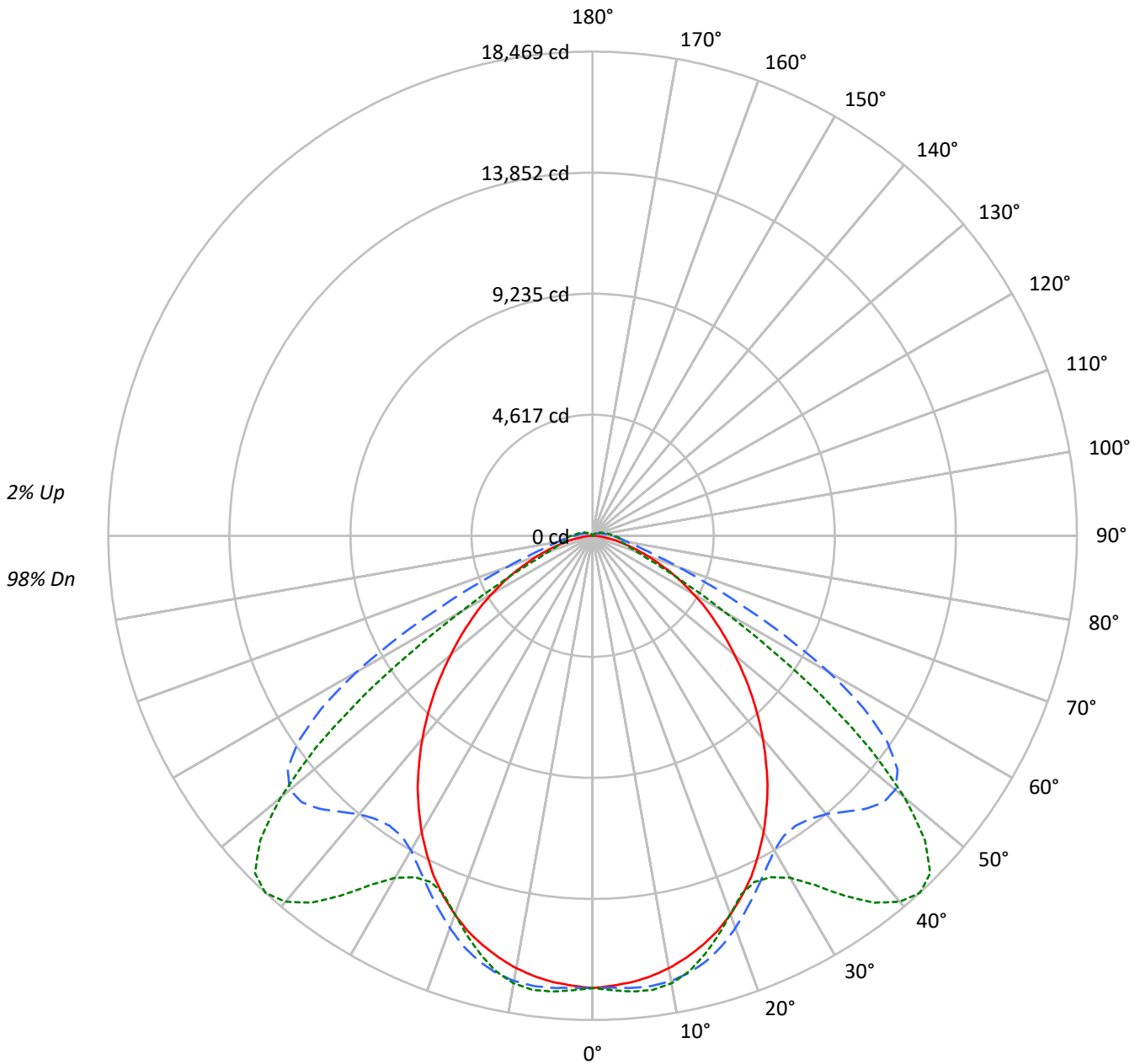
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51656.0 lumens
Efficiency: N/A
Efficacy: 142.7 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: P830737
CATALOG NUMBER: OHBL-60SE-W-UNV-L940-CD

Luminous Intensity Polar Plot





TEST NUMBER: P830737

CATALOG NUMBER: OHBL-60SE-W-UNV-L940-CD

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°	29467	29467	29467
5°	29192	29425	29658
10°	28826	29380	29548
15°	28263	28894	28460
20°	27493	27901	26927
25°	26462	26699	26245
30°	25091	25805	28080
35°	23527	26282	32653
40°	21712	28464	37486
45°	19814	32286	39975
50°	17835	35701	36859
55°	15974	35655	27854
60°	14081	30163	16798
65°	12081	20826	9996
70°	9815	13462	7043
75°	7467	9645	6296
80°	5360	8469	6681
85°	3638	9300	9291



TEST NUMBER: P830737

CATALOG NUMBER: OHBL-60SE-W-UNV-L940-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1648.6	3.2
10°-20°	4668.4	9.0
20°-30°	6831.5	13.2
30°-40°	8872.1	17.2
40°-50°	10833.9	21.0
50°-60°	9541.0	18.5
60°-70°	4971.9	9.6
70°-80°	2132.1	4.1
80°-90°	1023.9	2.0
90°-100°	481.1	0.9
100°-110°	299.0	0.6
110°-120°	176.8	0.3
120°-130°	96.1	0.2
130°-140°	48.2	0.1
140°-150°	23.2	0.0
150°-160°	8.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	13148.6	25.5
0°-40°	22020.7	42.6
0°-60°	42395.6	82.1
0°-90°	50523.5	97.8
90°-120°	956.9	1.9
90°-150°	1124.4	2.2
90°-180°	1132.0	2.2
0°-180°	51656.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17252	17252	17252	17252	17252	
5°	17092	17222	17315	17468	17449	###
15°	16173	16627	16787	16660	16526	4554
25°	14330	15097	14840	14561	14576	6576
35°	11632	12860	13504	15748	16757	7250
45°	8565	10776	14728	17833	18205	6604
55°	5702	9439	13716	12026	10690	5118
65°	3272	6540	6279	3491	3004	3237
75°	1318	3060	2017	1381	1310	1437
85°	279	1091	1027	1005	1016	311
90°	4	394	677	774	793	19
95°	7	231	540	633	651	6
105°	15	130	350	421	428	16
115°	22	74	216	264	272	23
125°	26	37	127	164	168	22
135°	22	22	60	100	104	17
145°	30	22	26	48	56	17
155°	30	30	22	22	22	9
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P830737

CATALOG NUMBER: OHBL-60SE-W-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	17252.2	17252.2	17252.2	17252.2	17252.2
2.5°	17177.7	17252.2	17255.9	17360.1	17348.9
5°	17092.1	17222.4	17315.4	17468.0	17449.4
7.5°	16950.7	17155.4	17319.2	17486.7	17471.8
10°	16749.7	17028.8	17244.7	17382.4	17337.8
12.5°	16489.1	16857.6	17069.8	17099.6	17013.9
15°	16172.7	16626.8	16786.9	16660.3	16526.3
17.5°	15815.4	16347.7	16403.5	16128.1	15960.6
20°	15368.8	15975.5	15919.6	15540.0	15353.9
22.5°	14873.7	15566.0	15387.4	14989.1	14810.4
25°	14330.3	15097.0	14840.2	14561.0	14575.9
27.5°	13693.8	14564.8	14315.4	14441.9	14680.2
30°	13046.1	14006.4	13853.8	14590.8	15059.8
32.5°	12335.2	13433.2	13571.0	15026.3	15793.1
35°	11631.7	12860.0	13504.0	15748.4	16757.1
37.5°	10853.8	12279.4	13611.9	16582.2	17639.3
40°	10098.2	11713.6	13857.6	17330.3	18223.6
42.5°	9327.7	11207.4	14270.7	17773.3	18469.3
45°	8564.7	10775.6	14728.5	17832.8	18205.0
47.5°	7801.6	10410.9	15044.9	17360.1	17188.9
50°	7064.6	10087.0	15067.3	16224.8	15525.1
52.5°	6376.0	9789.3	14657.8	14415.9	13329.0
55°	5702.3	9439.4	13716.1	12026.3	10690.0
57.5°	5088.2	8955.5	12264.5	9458.0	7998.9
60°	4436.8	8300.4	10388.5	6919.5	5769.3
62.5°	3837.5	7485.2	8285.5	4816.5	4146.5
65°	3271.8	6539.8	6279.3	3491.4	3003.8
67.5°	2672.5	5560.9	4634.1	2545.9	2233.3
70°	2203.5	4652.7	3450.4	1980.2	1797.8
72.5°	1723.4	3789.1	2579.4	1608.0	1507.5
75°	1317.6	3059.6	2017.4	1380.9	1310.2
77.5°	971.5	2419.4	1622.9	1220.9	1153.9
80°	681.2	1905.7	1358.6	1090.6	1064.5
82.5°	457.8	1474.0	1157.6	1038.5	1042.2
85°	279.2	1090.6	1027.3	1005.0	1016.1
87.5°	134.0	774.2	882.1	915.6	926.8
90°	3.7	394.5	677.4	774.2	792.8
92.5°	0.0	301.5	595.5	692.3	710.9
95°	7.4	230.8	539.7	632.8	651.4
97.5°	7.4	189.8	483.9	580.7	591.8
100°	11.2	163.8	431.8	524.8	536.0
102.5°	11.2	145.2	387.1	469.0	476.4
105°	14.9	130.3	349.9	420.6	428.0



TEST NUMBER: P830737

CATALOG NUMBER: OHBL-60SE-W-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	22.3	89.3	245.7	297.8	305.2
115°	22.3	74.4	215.9	264.3	271.7
117.5°	26.1	67.0	189.8	234.5	238.2
120°	26.1	55.8	163.8	208.4	212.2
122.5°	26.1	44.7	145.2	186.1	189.8
125°	26.1	37.2	126.6	163.8	167.5
127.5°	22.3	26.1	107.9	145.2	148.9
130°	22.3	22.3	89.3	126.6	134.0
132.5°	22.3	22.3	74.4	111.7	119.1
135°	22.3	22.3	59.6	100.5	104.2
137.5°	22.3	22.3	48.4	85.6	93.1
140°	22.3	22.3	37.2	74.4	78.2
142.5°	26.1	22.3	33.5	63.3	67.0
145°	29.8	22.3	26.1	48.4	55.8
147.5°	29.8	26.1	26.1	40.9	44.7
150°	29.8	29.8	22.3	29.8	37.2
152.5°	29.8	29.8	22.3	22.3	29.8
155°	29.8	29.8	22.3	22.3	22.3
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°	18.6	115.4	312.7	375.9	383.4
110°	18.6	100.5	275.4	335.0	342.4



(END OF REPORT)