

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: P830735

Luminaire Tested: **OHBL-60SE-W-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830735
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-L930-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

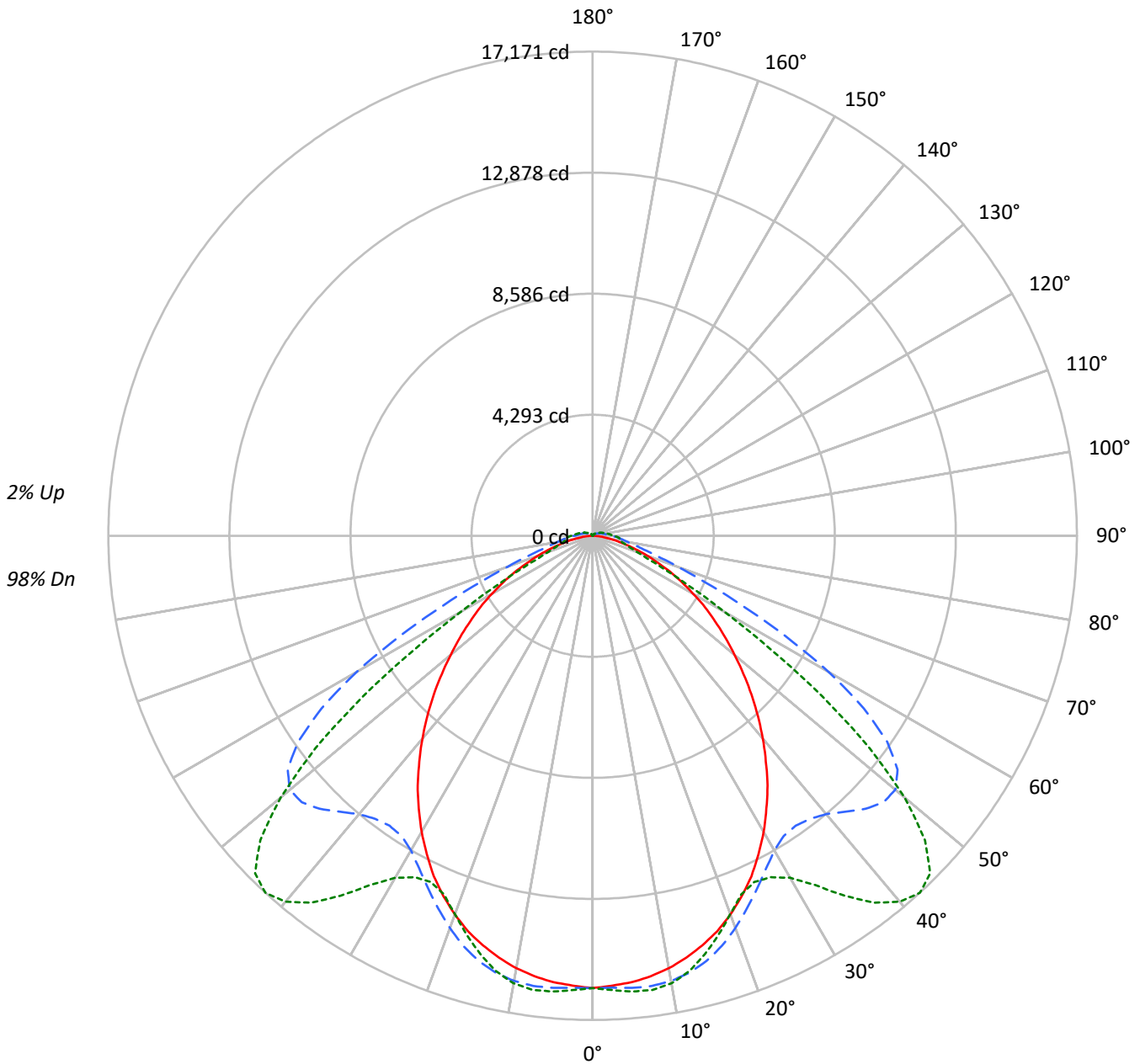
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48025.0 lumens
Efficiency: N/A
Efficacy: 132.7 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 (Ain): 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: P830735
CATALOG NUMBER: OHBL-60SE-W-UNV-L930-CD

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	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°	27395	27395	27395
5°	27140	27357	27573
10°	26799	27315	27471
15°	26277	26863	26459
20°	25561	25940	25034
25°	24602	24822	24400
30°	23327	23991	26106
35°	21873	24434	30358
40°	20186	26463	34851
45°	18421	30017	37165
50°	16581	33191	34268
55°	14852	33149	25896
60°	13091	28043	15617
65°	11231	19362	9293
70°	9125	12516	6547
75°	6942	8967	5853
80°	4983	7874	6211
85°	3381	8646	8638



TEST NUMBER: P830735

CATALOG NUMBER: OHBL-60SE-W-UNV-L930-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1532.8	3.2
10°-20°	4340.3	9.0
20°-30°	6351.3	13.2
30°-40°	8248.5	17.2
40°-50°	10072.4	21.0
50°-60°	8870.3	18.5
60°-70°	4622.4	9.6
70°-80°	1982.2	4.1
80°-90°	952.0	2.0
90°-100°	447.3	0.9
100°-110°	278.0	0.6
110°-120°	164.4	0.3
120°-130°	89.3	0.2
130°-140°	44.8	0.1
140°-150°	21.6	0.0
150°-160°	7.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	12224.3	25.5
0°-40°	20472.8	42.6
0°-60°	39415.6	82.1
0°-90°	46972.1	97.8
90°-120°	889.6	1.9
90°-150°	1045.4	2.2
90°-180°	1053.0	2.2
0°-180°	48025.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16040	16040	16040	16040	16040	
5°	15891	16012	16098	16240	16223	###
15°	15036	15458	15607	15489	15365	4234
25°	13323	14036	13797	13538	13551	6114
35°	10814	11956	12555	14641	15579	6740
45°	7963	10018	13693	16579	16925	6140
55°	5302	8776	12752	11181	9939	4758
65°	3042	6080	5838	3246	2793	3009
75°	1225	2844	1876	1284	1218	1336
85°	260	1014	955	934	945	289
90°	4	367	630	720	737	18
95°	7	215	502	588	606	5
105°	14	121	325	391	398	15
115°	21	69	201	246	253	21
125°	24	35	118	152	156	21
135°	21	21	55	93	97	16
145°	28	21	24	45	52	16
155°	28	28	21	21	21	9
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P830735

CATALOG NUMBER: OHBL-60SE-W-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	16039.5	16039.5	16039.5	16039.5	16039.5
2.5°	15970.3	16039.5	16042.9	16139.8	16129.4
5°	15890.7	16011.8	16098.3	16240.2	16222.9
7.5°	15759.2	15949.5	16101.8	16257.5	16243.6
10°	15572.3	15831.8	16032.6	16160.6	16119.1
12.5°	15330.1	15672.7	15869.9	15897.6	15818.0
15°	15035.9	15458.1	15606.9	15489.3	15364.7
17.5°	14703.7	15198.6	15250.5	14994.4	14838.7
20°	14288.5	14852.5	14800.6	14447.6	14274.6
22.5°	13828.2	14471.9	14305.8	13935.5	13769.4
25°	13323.0	14035.8	13797.1	13537.5	13551.4
27.5°	12731.2	13541.0	13309.1	13426.8	13648.3
30°	12129.1	13021.9	12880.0	13565.2	14001.2
32.5°	11468.1	12489.0	12617.0	13970.1	14683.0
35°	10814.1	11956.1	12554.7	14641.4	15579.2
37.5°	10090.9	11416.2	12655.1	15416.6	16399.4
40°	9388.4	10890.2	12883.5	16112.1	16942.7
42.5°	8672.0	10419.6	13267.6	16523.9	17171.1
45°	7962.6	10018.2	13693.2	16579.3	16925.4
47.5°	7253.2	9679.1	13987.4	16139.8	15980.6
50°	6568.1	9378.0	14008.2	15084.4	14433.8
52.5°	5927.9	9101.1	13627.5	13402.6	12392.1
55°	5301.5	8775.9	12752.0	11180.9	9938.6
57.5°	4730.5	8326.0	11402.4	8793.2	7436.6
60°	4124.9	7716.9	9658.3	6433.1	5363.8
62.5°	3567.8	6959.1	7703.1	4477.9	3855.0
65°	3041.8	6080.1	5837.9	3246.0	2792.6
67.5°	2484.6	5170.0	4308.3	2367.0	2076.3
70°	2048.6	4325.6	3207.9	1841.0	1671.4
72.5°	1602.2	3522.8	2398.1	1494.9	1401.5
75°	1225.0	2844.5	1875.6	1283.8	1218.1
77.5°	903.2	2249.3	1508.8	1135.0	1072.8
80°	633.3	1771.8	1263.1	1013.9	989.7
82.5°	425.6	1370.4	1076.2	965.5	968.9
85°	259.5	1013.9	955.1	934.3	944.7
87.5°	124.6	719.8	820.1	851.3	861.7
90°	3.5	366.8	629.8	719.8	737.1
92.5°	0.0	280.3	553.7	643.7	661.0
95°	6.9	214.6	501.8	588.3	605.6
97.5°	6.9	176.5	449.9	539.8	550.2
100°	10.4	152.3	401.4	487.9	498.3
102.5°	10.4	135.0	359.9	436.0	442.9
105°	13.8	121.1	325.3	391.0	398.0



TEST NUMBER: P830735

CATALOG NUMBER: OHBL-60SE-W-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	20.8	83.1	228.4	276.8	283.8
115°	20.8	69.2	200.7	245.7	252.6
117.5°	24.2	62.3	176.5	218.0	221.5
120°	24.2	51.9	152.3	193.8	197.2
122.5°	24.2	41.5	135.0	173.0	176.5
125°	24.2	34.6	117.7	152.3	155.7
127.5°	20.8	24.2	100.4	135.0	138.4
130°	20.8	20.8	83.1	117.7	124.6
132.5°	20.8	20.8	69.2	103.8	110.7
135°	20.8	20.8	55.4	93.4	96.9
137.5°	20.8	20.8	45.0	79.6	86.5
140°	20.8	20.8	34.6	69.2	72.7
142.5°	24.2	20.8	31.1	58.8	62.3
145°	27.7	20.8	24.2	45.0	51.9
147.5°	27.7	24.2	24.2	38.1	41.5
150°	27.7	27.7	20.8	27.7	34.6
152.5°	27.7	27.7	20.8	20.8	27.7
155°	27.7	27.7	20.8	20.8	20.8
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°	17.3	107.3	290.7	349.5	356.4
110°	17.3	93.4	256.1	311.4	318.4



(END OF REPORT)