

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: P830723

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830723
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-60SE-NL-UNV-L930-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

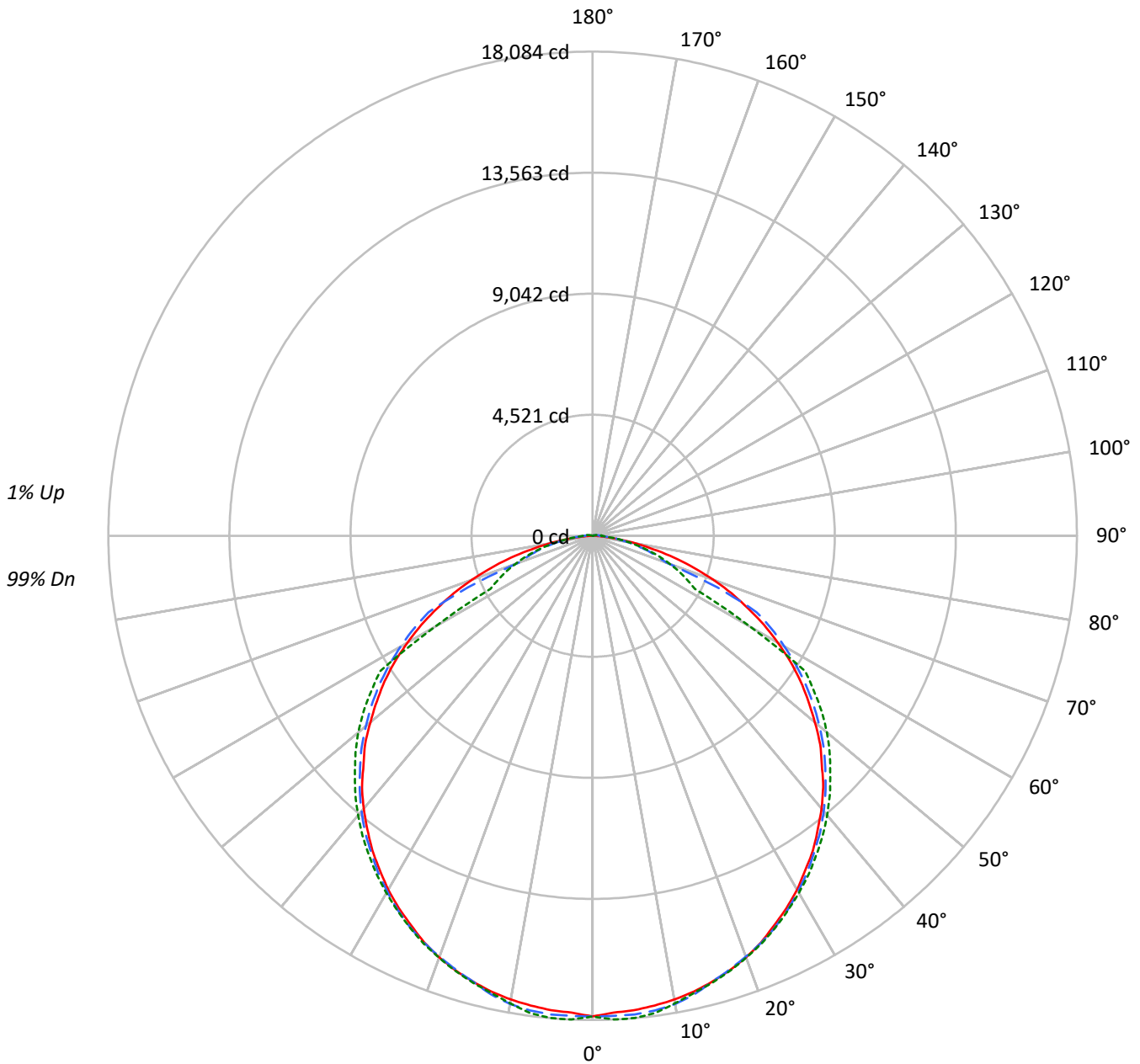
Lumens per Lamp: N/A
Luminaire Lumens: 50403.0 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.67' x L: 3.78' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	111	111	111	106	106	106	102	102	102					99															
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86					84															
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73					71															
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62					60															
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53					51															
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46					44															
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41					39															
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36					34															
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32					30															
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29					27															
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26					25															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30662	30662	30662
5°	30493	30768	31001
10°	30501	30791	30753
15°	30496	30491	30557
20°	30455	30409	30483
25°	30246	30400	30424
30°	30106	30261	30380
35°	29911	30075	30358
40°	29653	29934	30376
45°	29225	29667	30314
50°	28785	29371	30342
55°	28234	28966	30008
60°	27288	28257	23362
65°	25818	27319	15722
70°	23879	14503	15259
75°	20829	13782	14572
80°	16018	12642	13354
85°	8084	12777	13085



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1705.5	3.4
10°-20°	4883.4	9.7
20°-30°	7430.5	14.7
30°-40°	9034.4	17.9
40°-50°	9499.3	18.8
50°-60°	8674.0	17.2
60°-70°	5560.5	11.0
70°-80°	2626.7	5.2
80°-90°	728.3	1.4
90°-100°	192.9	0.4
100°-110°	52.8	0.1
110°-120°	14.6	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	14019.4	27.8
0°-40°	23053.9	45.7
0°-60°	41227.2	81.8
0°-90°	50142.6	99.5
90°-120°	260.3	0.5
90°-150°	260.3	0.5
90°-180°	260.0	0.5
0°-180°	50403.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17952	17952	17952	17952	17952	
5°	17785	17854	17946	18044	18081	###
15°	17247	17376	17244	17269	17281	4869
25°	16050	16075	16131	16157	16144	7406
35°	14345	14260	14424	14600	14560	8965
45°	12099	12077	12282	12572	12550	9352
55°	9482	9409	9727	10052	10077	8456
65°	6388	6388	6760	3878	3890	6333
75°	3156	3216	2088	2199	2208	3327
85°	412	523	652	706	668	610
90°	0	176	290	343	337	18
95°	9	91	208	280	280	5
105°	16	35	50	50	47	16
115°	16	22	31	22	3	11
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	17952.3	17952.3	17952.3	17952.3	17952.3
2.5°	17826.2	17886.2	17952.3	18037.3	18084.3
5°	17785.2	17854.5	17945.9	18043.6	18081.3
7.5°	17697.1	17794.5	17882.9	17952.3	17974.3
10°	17586.7	17703.5	17753.8	17747.5	17731.8
12.5°	17438.7	17561.7	17546.0	17473.3	17486.0
15°	17246.6	17375.6	17243.6	17268.6	17281.2
17.5°	17019.8	17145.8	16991.4	17041.8	17045.1
20°	16755.3	16849.7	16730.0	16771.0	16771.0
22.5°	16437.1	16503.2	16452.8	16481.2	16487.5
25°	16049.6	16074.6	16131.3	16156.7	16144.0
27.5°	15678.1	15646.4	15756.8	15816.5	15784.8
30°	15265.2	15214.8	15343.9	15441.6	15403.9
32.5°	14792.6	14761.3	14909.3	15025.7	15003.7
35°	14345.4	14260.3	14424.1	14600.5	14559.5
37.5°	13816.1	13765.8	13951.5	14137.6	14115.6
40°	13299.5	13214.5	13425.6	13646.0	13624.0
42.5°	12745.2	12644.2	12874.3	13139.1	13113.8
45°	12099.2	12077.2	12282.0	12571.8	12549.8
47.5°	11526.3	11415.9	11702.4	11982.8	12008.2
50°	10832.9	10792.2	11053.7	11393.9	11418.9
52.5°	10155.9	10127.6	10401.4	10744.9	10788.9
55°	9481.6	9409.2	9727.3	10051.8	10077.2
57.5°	8760.5	8684.8	9009.3	9362.2	9415.5
60°	7988.4	7916.1	8271.9	8599.8	8638.9
62.5°	7216.7	7166.4	7538.2	7839.4	7833.2
65°	6388.3	6388.3	6759.8	6877.7	6890.3
67.5°	5613.6	5563.2	5040.3	4883.8	4883.8
70°	4781.8	4800.8	2904.2	3052.6	3055.6
72.5°	3947.0	4016.4	2507.6	2627.0	2633.4
75°	3156.3	3216.3	2088.4	2198.8	2208.1
77.5°	2318.5	1782.9	1678.9	1764.2	1767.2
80°	1628.5	1124.6	1285.3	1367.0	1357.7
82.5°	951.2	787.4	941.8	1001.8	998.5
85°	412.5	522.9	652.0	705.7	667.7
87.5°	132.1	324.5	406.2	437.9	434.6
90°	0.0	176.4	289.8	343.2	337.2
92.5°	0.0	138.4	252.1	315.2	318.2
95°	9.3	91.4	208.1	280.5	280.5
97.5°	6.3	66.0	148.1	220.4	226.8
100°	6.3	53.4	97.7	157.4	160.7
102.5°	15.7	44.0	59.7	100.7	104.1
105°	15.7	34.7	50.4	50.4	47.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	19.0	25.3	34.7	25.3	3.0
115°	15.7	22.0	31.3	22.0	3.0
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
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°	15.7	31.3	44.0	28.3	9.3
110°	19.0	28.3	37.7	25.3	3.0



(END OF REPORT)