

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: P830927

Luminaire Tested: **OHBL-9HE-N-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830927
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-9HE-N-UNV-L930-CD
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

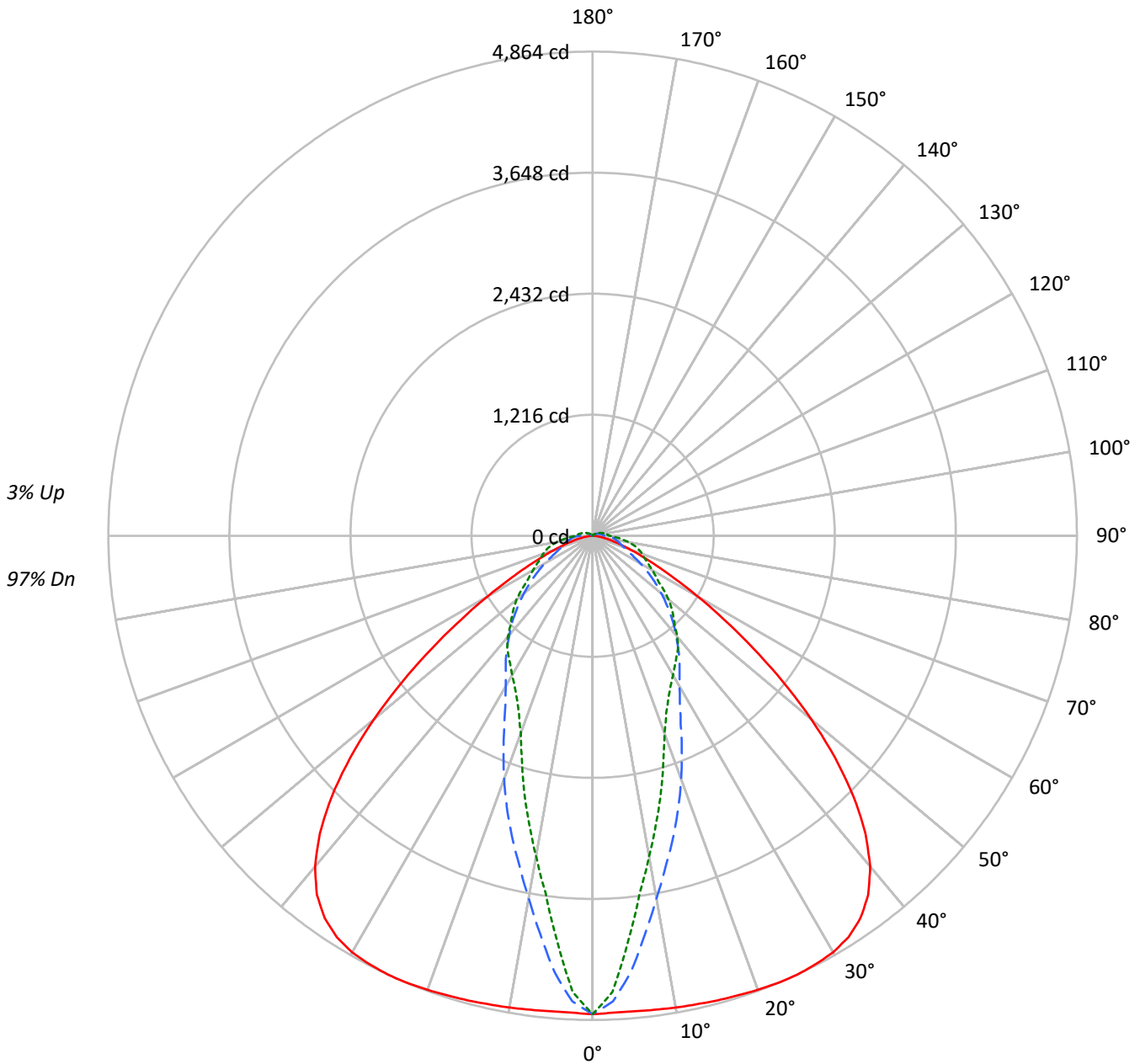
Lumens per Lamp: N/A
Luminaire Lumens: 7092.0 lumens
Efficiency: N/A
Efficacy: 136.4 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 52
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: P830927

CATALOG NUMBER: OHBL-9HE-N-UNV-L930-CD

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	97																	
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	82																	
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	71																	
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	62																	
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	54																	
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	48																	
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	43																	
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	39																	
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	35																	
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	32																	
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	30																	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8207	8207	8207
5°	8191	7474	6949
10°	8283	6296	5572
15°	8445	5384	4573
20°	8682	4553	3699
25°	8982	3768	3241
30°	9293	3246	3011
35°	9486	2959	2869
40°	9324	2672	2722
45°	8577	2415	2520
50°	7237	2134	2365
55°	5499	1869	2105
60°	3853	1603	2015
65°	2592	1380	1972
70°	1770	1295	2069
75°	1229	1336	2211
80°	846	1480	2276
85°	495	1850	2387



TEST NUMBER: P830927

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.5	5.7
10°-20°	951.6	13.4
20°-30°	1192.8	16.8
30°-40°	1265.7	17.8
40°-50°	1144.4	16.1
50°-60°	829.7	11.7
60°-70°	520.7	7.3
70°-80°	344.6	4.9
80°-90°	198.5	2.8
90°-100°	96.2	1.4
100°-110°	66.4	0.9
110°-120°	41.0	0.6
120°-130°	19.8	0.3
130°-140°	9.1	0.1
140°-150°	5.0	0.1
150°-160°	2.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2548.8	35.9
0°-40°	3814.5	53.8
0°-60°	5788.6	81.6
0°-90°	6852.4	96.6
90°-120°	203.5	2.9
90°-150°	237.4	3.3
90°-180°	240.0	3.4
0°-180°	7092.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4805	4805	4805	4805	4805	
5°	4796	4673	4398	4194	4089	458
15°	4832	3939	3128	2782	2656	1370
25°	4864	3045	2095	1859	1800	2247
35°	4690	2025	1520	1473	1472	2916
45°	3708	1282	1102	1128	1148	2824
55°	1963	795	719	780	808	1774
65°	702	461	416	533	593	730
75°	217	248	279	434	460	242
85°	38	103	204	284	261	46
90°	0	43	118	167	168	2
95°	2	30	104	142	148	2
105°	4	20	76	101	103	4
115°	5	14	51	64	65	5
125°	6	7	26	33	32	5
135°	5	6	11	18	18	4
145°	6	6	7	10	10	3
155°	6	7	7	8	7	2
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CATALOG NUMBER: OHBL-9HE-N-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4805.2	4805.2	4805.2	4805.2	4805.2
2.5°	4795.1	4767.7	4682.2	4630.0	4586.1
5°	4795.6	4672.6	4398.2	4194.2	4088.6
7.5°	4802.5	4529.0	4034.6	3736.9	3620.7
10°	4813.0	4351.1	3695.3	3377.9	3269.5
12.5°	4820.8	4150.8	3396.6	3070.5	2951.6
15°	4832.2	3938.6	3128.2	2782.0	2655.7
17.5°	4842.7	3738.7	2862.9	2501.2	2360.8
20°	4853.2	3523.3	2597.7	2224.9	2109.2
22.5°	4863.3	3296.0	2338.8	2010.4	1931.3
25°	4864.2	3045.4	2094.6	1859.1	1800.1
27.5°	4852.3	2785.6	1896.6	1732.4	1695.8
30°	4831.7	2533.6	1742.9	1640.9	1614.8
32.5°	4780.5	2276.6	1624.0	1552.6	1537.6
35°	4690.0	2024.6	1520.2	1472.6	1472.2
37.5°	4547.3	1801.0	1407.7	1399.4	1409.5
40°	4336.4	1605.2	1301.1	1323.1	1323.1
42.5°	4055.2	1435.1	1204.6	1227.0	1221.1
45°	3707.6	1282.4	1101.7	1128.2	1147.5
47.5°	3304.7	1147.9	996.5	1047.8	1074.3
50°	2866.6	1019.9	900.5	965.9	996.1
52.5°	2407.4	901.4	806.7	881.7	906.0
55°	1962.9	794.8	718.9	779.8	807.7
57.5°	1560.4	693.3	633.0	690.6	748.2
60°	1214.2	606.0	552.0	634.3	691.9
62.5°	927.5	528.2	476.1	581.7	639.4
65°	702.0	461.0	416.2	533.3	592.7
67.5°	529.1	402.9	369.5	498.0	556.1
70°	397.4	346.7	332.0	476.1	528.2
72.5°	293.6	295.0	302.3	456.9	496.7
75°	216.8	248.3	279.4	434.0	460.1
77.5°	155.0	205.8	258.9	406.6	415.7
80°	107.5	167.8	237.4	370.4	362.7
82.5°	67.2	134.5	218.1	330.7	309.2
85°	38.0	102.9	204.4	284.5	261.1
87.5°	16.9	76.8	178.8	221.8	207.2
90°	0.0	43.0	118.4	166.9	168.3
92.5°	0.9	35.7	109.3	152.7	157.3
95°	1.8	30.2	104.3	141.8	148.2
97.5°	2.3	26.5	97.9	131.7	137.2
100°	2.7	23.8	90.1	121.2	125.8
102.5°	3.2	22.0	82.8	110.2	113.9
105°	3.7	20.1	75.9	100.6	103.4



TEST NUMBER: P830927

CATALOG NUMBER: OHBL-9HE-N-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.6	15.5	57.2	72.3	74.5
115°	5.0	14.2	51.2	64.0	65.4
117.5°	5.5	12.3	44.8	56.3	56.7
120°	5.5	11.0	38.4	48.0	48.0
122.5°	5.5	9.1	32.0	39.8	39.3
125°	5.5	7.3	26.1	32.9	32.5
127.5°	5.0	5.9	21.0	27.4	27.0
130°	5.0	5.9	16.9	23.3	23.3
132.5°	4.6	5.5	13.7	20.1	20.1
135°	4.6	5.5	11.4	17.8	17.8
137.5°	4.6	5.9	9.6	15.5	15.5
140°	4.6	5.5	8.2	13.7	13.7
142.5°	5.0	5.5	7.3	11.9	11.9
145°	5.5	5.9	6.9	10.5	10.1
147.5°	5.5	6.4	6.9	9.1	8.7
150°	5.5	6.9	6.9	8.2	7.8
152.5°	5.5	6.9	6.9	7.8	7.3
155°	5.5	6.9	7.3	7.8	6.9
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°	3.7	18.8	69.5	90.1	93.3
110°	4.1	16.9	63.6	80.5	83.7



(END OF REPORT)