

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: P830807

Luminaire Tested: **OHBL-72SE-W-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830807
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-72SE-W-UNV-L930-CD
Description: 72000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

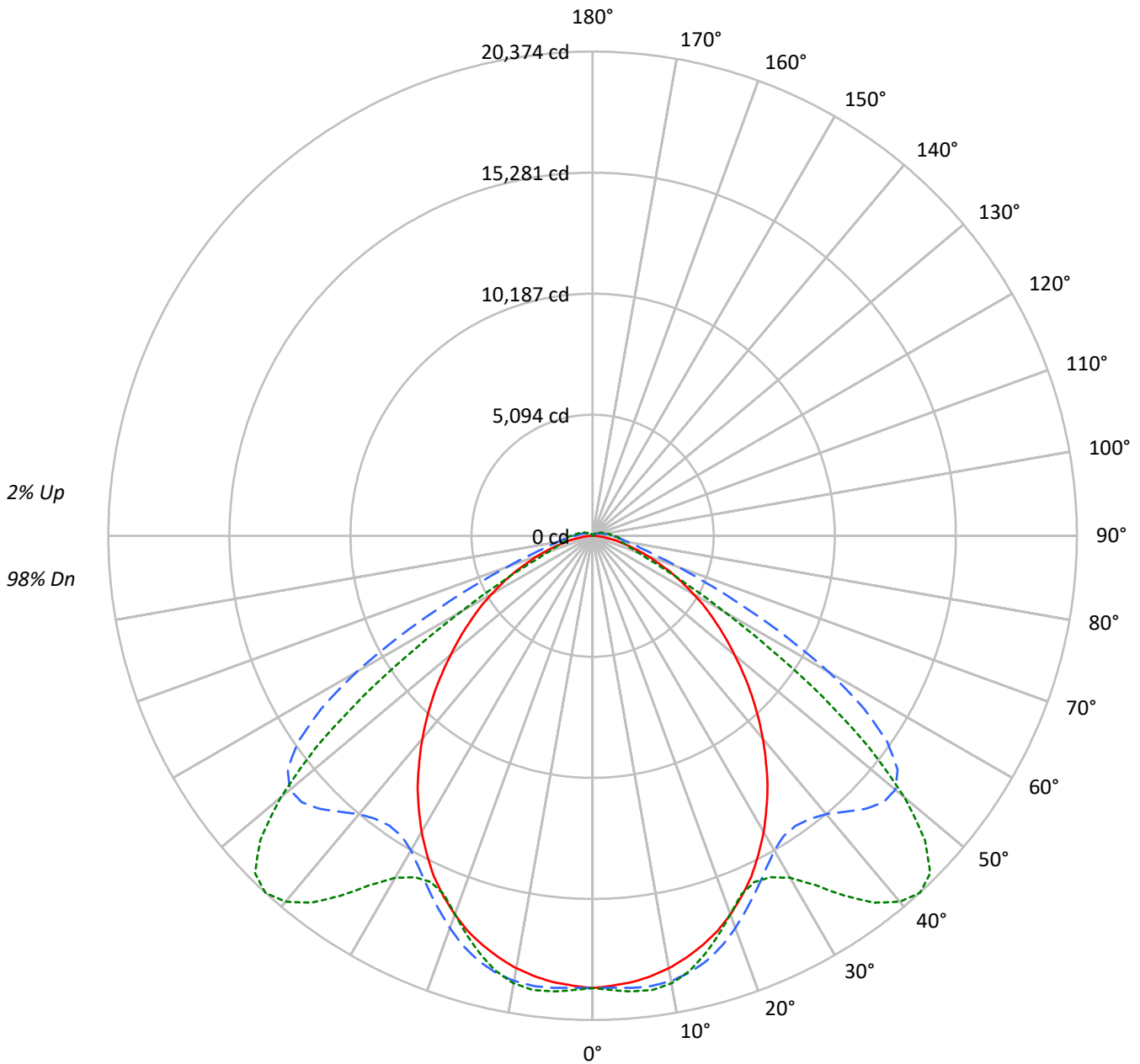
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56983.0 lumens
Efficiency: N/A
Efficacy: 137.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 413.7
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

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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	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°	30098	30098	30098
5°	29817	30069	30312
10°	29443	30037	30220
15°	28869	29553	29126
20°	28082	28551	27575
25°	27029	27334	26896
30°	25628	26433	28798
35°	24030	26936	33515
40°	22177	29191	38509
45°	20238	33135	41108
50°	18217	36669	37948
55°	16317	36658	28716
60°	14382	31049	17347
65°	12339	21470	10345
70°	10025	13907	7310
75°	7627	9993	6563
80°	5475	8816	7012
85°	3715	9770	9880



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1818.7	3.2
10°-20°	5149.9	9.0
20°-30°	7536.0	13.2
30°-40°	9787.0	17.2
40°-50°	11951.2	21.0
50°-60°	10524.9	18.5
60°-70°	5484.6	9.6
70°-80°	2352.0	4.1
80°-90°	1129.5	2.0
90°-100°	530.7	0.9
100°-110°	329.8	0.6
110°-120°	195.0	0.3
120°-130°	106.0	0.2
130°-140°	53.2	0.1
140°-150°	25.6	0.0
150°-160°	8.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	14504.5	25.5
0°-40°	24291.5	42.6
0°-60°	46767.6	82.1
0°-90°	55733.8	97.8
90°-120°	1055.5	1.9
90°-150°	1240.3	2.2
90°-180°	1249.0	2.2
0°-180°	56983.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19031	19031	19031	19031	19031	
5°	18855	18998	19101	19269	19249	###
15°	17840	18342	18518	18378	18231	5023
25°	15808	16654	16371	16063	16079	7255
35°	12831	14186	14896	17372	18485	7997
45°	9448	11887	16247	19672	20082	7285
55°	6290	10413	15131	13266	11792	5646
65°	3609	7214	6927	3851	3314	3571
75°	1454	3375	2225	1523	1445	1585
85°	308	1203	1133	1109	1121	343
90°	4	435	747	854	875	21
95°	8	255	595	698	718	6
105°	16	144	386	464	472	17
115°	25	82	238	292	300	25
125°	29	41	140	181	185	24
135°	25	25	66	111	115	19
145°	33	25	29	53	62	19
155°	33	33	25	25	25	10
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-72SE-W-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19031.3	19031.3	19031.3	19031.3	19031.3
2.5°	18949.2	19031.3	19035.4	19150.4	19138.0
5°	18854.7	18998.4	19101.1	19269.4	19248.9
7.5°	18698.7	18924.5	19105.2	19290.0	19273.5
10°	18477.0	18784.9	19023.1	19175.0	19125.7
12.5°	18189.6	18596.0	18830.1	18862.9	18768.5
15°	17840.5	18341.5	18518.0	18378.4	18230.6
17.5°	17446.4	18033.5	18095.1	17791.3	17606.5
20°	16953.6	17622.9	17561.3	17142.5	16937.2
22.5°	16407.6	17171.3	16974.2	16534.8	16337.7
25°	15808.1	16653.9	16370.6	16062.6	16079.1
27.5°	15106.0	16066.8	15791.7	15931.3	16194.0
30°	14391.5	15450.9	15282.5	16095.5	16612.9
32.5°	13607.3	14818.5	14970.5	16575.9	17421.7
35°	12831.2	14186.2	14896.5	17372.5	18485.2
37.5°	11973.1	13545.7	15015.6	18292.2	19458.3
40°	11139.6	12921.6	15286.6	19117.5	20102.9
42.5°	10289.6	12363.1	15742.4	19606.1	20373.9
45°	9447.9	11886.9	16247.4	19671.8	20082.4
47.5°	8606.2	11484.5	16596.4	19150.4	18961.5
50°	7793.2	11127.2	16621.1	17898.0	17126.1
52.5°	7033.6	10798.8	16169.4	15902.5	14703.6
55°	6290.4	10412.8	15130.6	13266.5	11792.4
57.5°	5612.9	9879.0	13529.2	10433.3	8823.8
60°	4894.3	9156.4	11459.8	7633.0	6364.3
62.5°	4233.3	8257.2	9139.9	5313.2	4574.1
65°	3609.2	7214.2	6926.8	3851.4	3313.5
67.5°	2948.1	6134.4	5112.0	2808.5	2463.6
70°	2430.7	5132.5	3806.3	2184.4	1983.2
72.5°	1901.1	4179.9	2845.5	1773.8	1662.9
75°	1453.5	3375.1	2225.4	1523.3	1445.3
77.5°	1071.7	2668.9	1790.2	1346.8	1272.9
80°	751.4	2102.3	1498.7	1203.1	1174.3
82.5°	505.0	1626.0	1277.0	1145.6	1149.7
85°	307.9	1203.1	1133.3	1108.6	1120.9
87.5°	147.8	854.0	973.1	1010.1	1022.4
90°	4.1	435.2	747.3	854.0	874.6
92.5°	0.0	332.6	657.0	763.7	784.2
95°	8.2	254.6	595.4	698.0	718.5
97.5°	8.2	209.4	533.8	640.5	652.9
100°	12.3	180.7	476.3	578.9	591.3
102.5°	12.3	160.1	427.0	517.4	525.6
105°	16.4	143.7	386.0	464.0	472.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	24.6	98.5	271.0	328.5	336.7
115°	24.6	82.1	238.1	291.5	299.7
117.5°	28.7	73.9	209.4	258.7	262.8
120°	28.7	61.6	180.7	229.9	234.0
122.5°	28.7	49.3	160.1	205.3	209.4
125°	28.7	41.1	139.6	180.7	184.8
127.5°	24.6	28.7	119.1	160.1	164.2
130°	24.6	24.6	98.5	139.6	147.8
132.5°	24.6	24.6	82.1	123.2	131.4
135°	24.6	24.6	65.7	110.9	115.0
137.5°	24.6	24.6	53.4	94.4	102.6
140°	24.6	24.6	41.1	82.1	86.2
142.5°	28.7	24.6	37.0	69.8	73.9
145°	32.8	24.6	28.7	53.4	61.6
147.5°	32.8	28.7	28.7	45.2	49.3
150°	32.8	32.8	24.6	32.8	41.1
152.5°	32.8	32.8	24.6	24.6	32.8
155°	32.8	32.8	24.6	24.6	24.6
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°	20.5	127.3	344.9	414.7	422.9
110°	20.5	110.9	303.8	369.5	377.8



(END OF REPORT)