

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: P830783

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830783
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-72SE-N-UNV-L930-CD
Description: 72000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

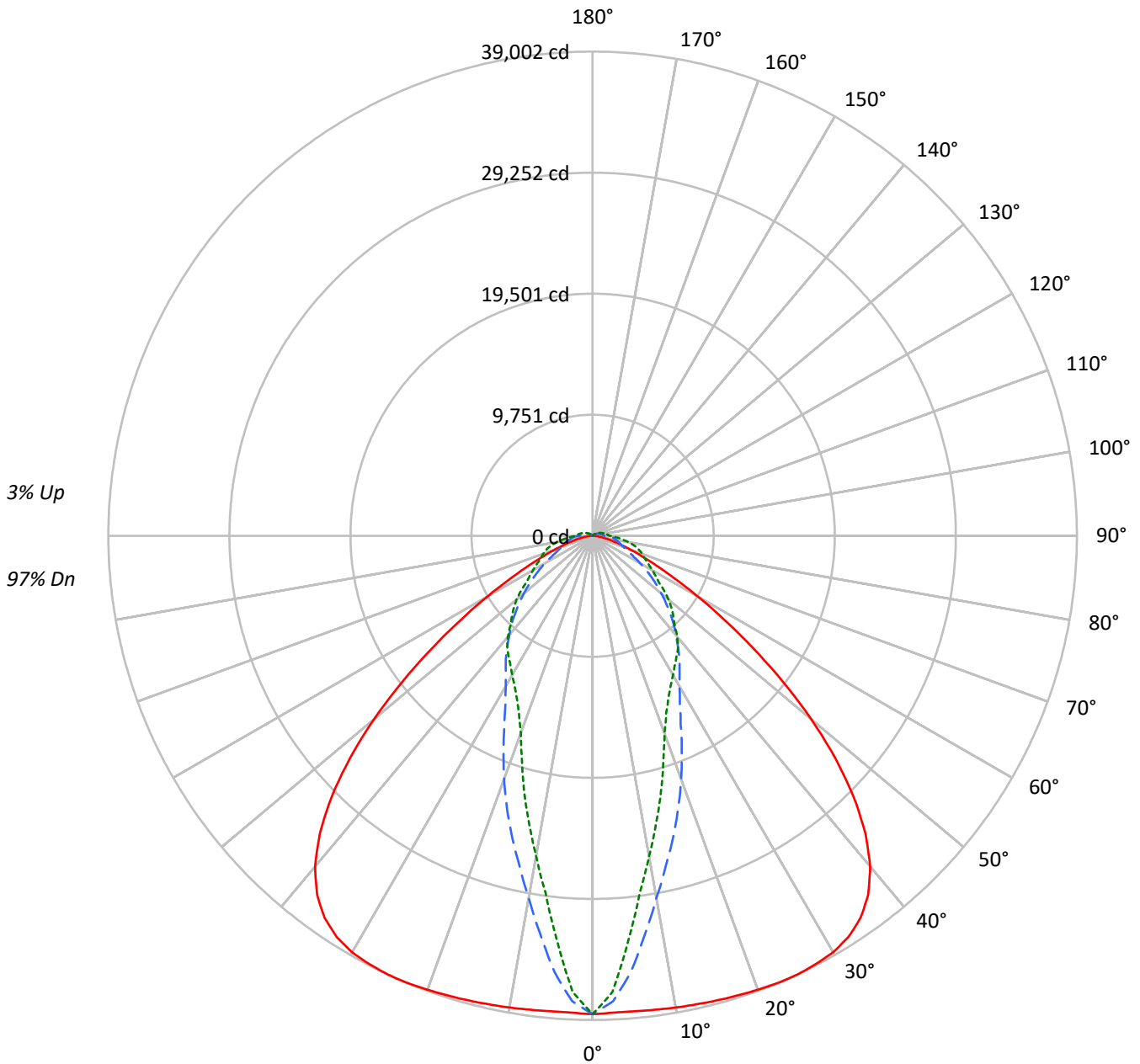
Lumens per Lamp: N/A
Luminaire Lumens: 56865.0 lumens
Efficiency: N/A
Efficacy: 137.5 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	60933	60933	60933
5°	60809	55515	51625
10°	61495	46783	41422
15°	62696	40029	34020
20°	64457	33862	27535
25°	66686	28042	24143
30°	68992	24171	22445
35°	70427	22041	21401
40°	69222	19922	20322
45°	63681	18016	18833
50°	53727	15929	17697
55°	40825	13966	15770
60°	28610	11992	15123
65°	19244	10343	14837
70°	13143	9727	15612
75°	9120	10061	16751
80°	6278	11196	17364
85°	3673	14130	18457



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3243.3	5.7
10°-20°	7629.8	13.4
20°-30°	9563.8	16.8
30°-40°	10148.3	17.8
40°-50°	9175.7	16.1
50°-60°	6653.0	11.7
60°-70°	4175.1	7.3
70°-80°	2762.9	4.9
80°-90°	1591.7	2.8
90°-100°	771.2	1.4
100°-110°	532.2	0.9
110°-120°	328.4	0.6
120°-130°	159.1	0.3
130°-140°	73.2	0.1
140°-150°	40.0	0.1
150°-160°	17.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	20436.9	35.9
0°-40°	30585.2	53.8
0°-60°	46413.9	81.6
0°-90°	54943.6	96.6
90°-120°	1631.8	2.9
90°-150°	1904.0	3.3
90°-180°	1921.0	3.4
0°-180°	56865.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	38529	38529	38529	38529	38529	
5°	38452	37466	35265	33630	32783	###
15°	38745	31580	25082	22306	21294	10988
25°	39002	24418	16795	14906	14433	18018
35°	37605	16234	12189	11808	11804	23377
45°	29728	10282	8834	9046	9200	22647
55°	15739	6373	5764	6252	6476	14220
65°	5629	3696	3337	4276	4752	5857
75°	1738	1991	2240	3480	3689	1938
85°	304	825	1639	2281	2094	365
90°	0	345	950	1338	1350	20
95°	15	242	836	1137	1188	13
105°	29	161	609	807	829	30
115°	40	114	411	513	524	40
125°	44	59	209	264	260	38
135°	37	44	92	143	143	29
145°	44	48	55	84	81	26
155°	44	55	59	62	55	14
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	38529.1	38529.1	38529.1	38529.1	38529.1
2.5°	38448.4	38228.4	37542.6	37124.6	36772.6
5°	38452.1	37465.6	35265.4	33630.0	32782.9
7.5°	38507.1	36314.2	32350.2	29963.0	29031.6
10°	38591.4	34887.7	29629.3	27084.4	26215.3
12.5°	38653.7	33281.6	27234.7	24620.2	23666.8
15°	38745.4	31580.1	25082.2	22306.3	21294.2
17.5°	38829.8	29977.6	22955.4	20054.8	18929.0
20°	38914.1	28250.5	20828.5	17839.9	16912.2
22.5°	38994.8	26428.0	18753.0	16120.1	15485.7
25°	39002.1	24418.5	16794.8	14906.3	14433.3
27.5°	38906.8	22335.6	15207.0	13890.6	13597.2
30°	38741.8	20315.1	13974.9	13157.2	12948.1
32.5°	38331.1	18254.3	13021.5	12449.4	12328.4
35°	37605.0	16233.8	12189.1	11807.7	11804.0
37.5°	36460.9	14440.6	11287.0	11221.0	11301.7
40°	34770.4	12871.1	10432.6	10608.6	10608.6
42.5°	32515.2	11507.0	9658.9	9838.5	9790.9
45°	29728.3	10282.2	8833.8	9046.5	9200.5
47.5°	26497.7	9204.1	7990.4	8401.1	8613.8
50°	22984.7	8177.4	7220.3	7744.7	7986.7
52.5°	19303.0	7227.6	6468.6	7070.0	7264.3
55°	15738.7	6373.2	5764.5	6252.2	6475.9
57.5°	12511.8	5559.2	5075.1	5537.2	5999.2
60°	9735.9	4858.8	4426.1	5086.1	5548.2
62.5°	7436.7	4235.4	3817.3	4664.4	5126.5
65°	5628.8	3696.3	3337.0	4275.7	4752.4
67.5°	4242.7	3230.6	2962.9	3993.4	4459.1
70°	3186.6	2779.6	2662.2	3817.3	4235.4
72.5°	2354.2	2365.2	2423.9	3663.3	3982.4
75°	1738.2	1991.2	2240.5	3480.0	3689.0
77.5°	1243.1	1650.1	2075.5	3260.0	3333.3
80°	861.7	1345.8	1903.2	2970.3	2907.9
82.5°	539.0	1078.1	1749.2	2651.2	2478.9
85°	304.4	825.1	1639.1	2280.9	2093.9
87.5°	135.7	616.1	1433.8	1778.5	1661.1
90°	0.0	344.7	949.8	1338.5	1349.5
92.5°	7.3	286.0	876.4	1224.8	1261.4
95°	14.7	242.0	836.1	1136.8	1188.1
97.5°	18.3	212.7	784.7	1056.1	1100.1
100°	22.0	190.7	722.4	971.8	1008.4
102.5°	25.7	176.0	663.7	883.7	913.1
105°	29.3	161.3	608.7	806.7	828.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	36.7	124.7	458.4	579.4	597.7
115°	40.3	113.7	410.7	513.4	524.4
117.5°	44.0	99.0	359.4	451.0	454.7
120°	44.0	88.0	308.0	385.0	385.0
122.5°	44.0	73.3	256.7	319.0	315.4
125°	44.0	58.7	209.0	264.0	260.4
127.5°	40.3	47.7	168.7	220.0	216.4
130°	40.3	47.7	135.7	187.0	187.0
132.5°	36.7	44.0	110.0	161.3	161.3
135°	36.7	44.0	91.7	143.0	143.0
137.5°	36.7	47.7	77.0	124.7	124.7
140°	36.7	44.0	66.0	110.0	110.0
142.5°	40.3	44.0	58.7	95.3	95.3
145°	44.0	47.7	55.0	84.3	80.7
147.5°	44.0	51.3	55.0	73.3	69.7
150°	44.0	55.0	55.0	66.0	62.3
152.5°	44.0	55.0	55.0	62.3	58.7
155°	44.0	55.0	58.7	62.3	55.0
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°	29.3	150.3	557.4	722.4	748.1
110°	33.0	135.7	509.7	645.4	671.1



(END OF REPORT)