

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: P219290

Luminaire Tested: **SSLED-LD5-9-N-UNV-L850-CD1-U**

Issue Date: 3/3/2020

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.

Test Information

Test Method: LM-79-08
Report Number: P219290
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27366)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SSLED-LD5-9-N-UNV-L850-CD1-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH NARROW DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND.
Light Source: (240) 5000K CCT, 80 CRI LEDs
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9575.6 lumens
Efficiency: N/A
Efficacy: 149.4 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.84
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

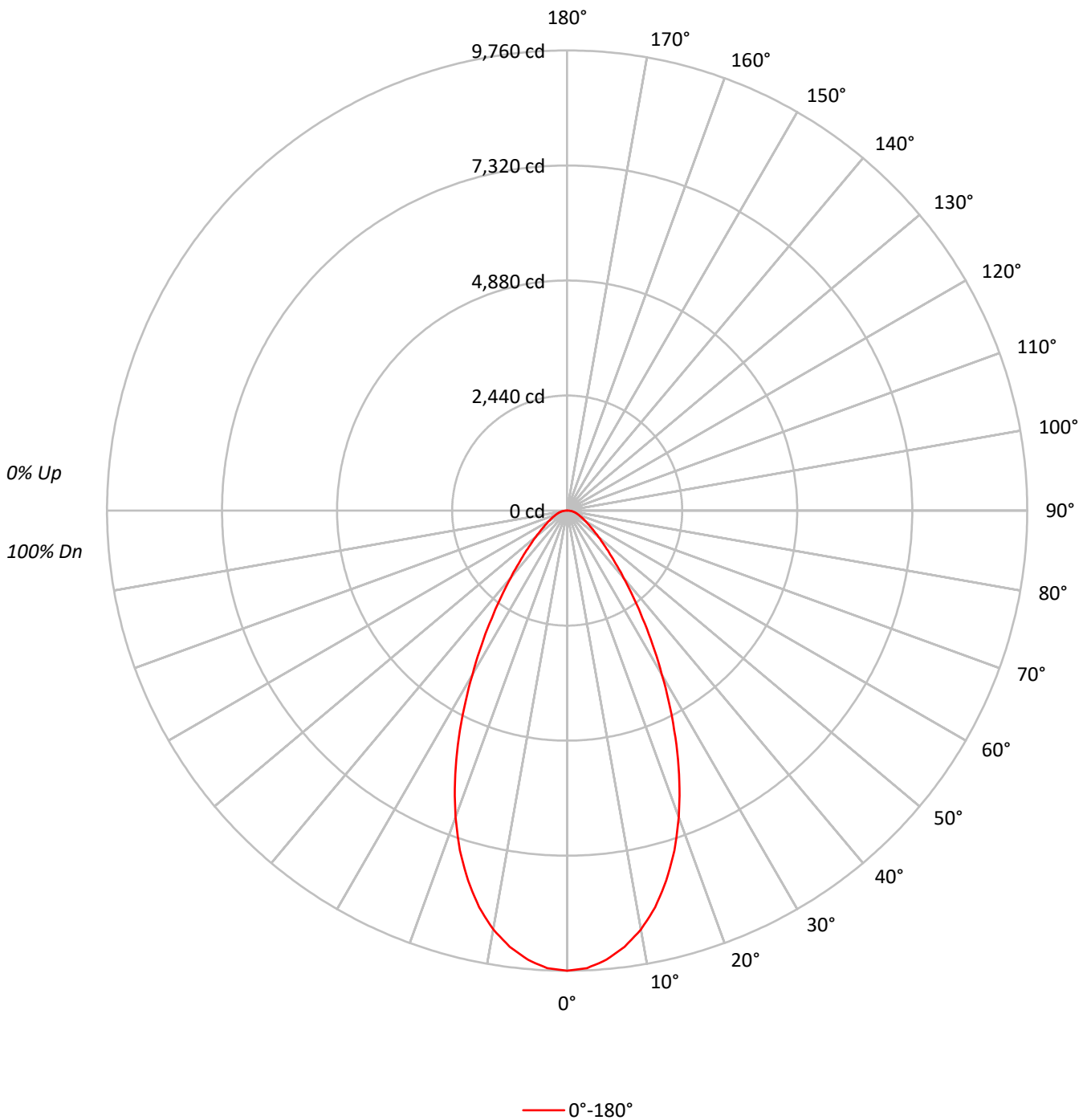
Input Watts (W): 64.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	95	90	103	98	93	89	94	91	87		91	88	86		88	86	84	82
3	99	91	85	81	97	90	84	80	87	83	79		85	81	77		82	79	76	75
4	93	84	78	73	91	83	77	72	81	76	72		79	74	71		77	73	70	68
5	88	78	71	66	86	77	71	66	75	70	65		73	69	65		72	68	64	63
6	83	73	66	61	81	72	65	61	70	65	60		69	64	60		67	63	59	58
7	78	68	61	56	77	67	61	56	66	60	56		65	59	56		63	59	55	54
8	74	64	57	52	73	63	57	52	62	56	52		61	55	52		60	55	51	50
9	70	60	53	49	69	59	53	49	58	52	48		57	52	48		56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45		54	49	45		53	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	67278
5°	66175
10°	63138
15°	57976
20°	50764
25°	41698
30°	31990
35°	23492
40°	16780
45°	12201
50°	9261
55°	7345
60°	6168
65°	5490
70°	5126
75°	5026
80°	5165
85°	5632



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	895.6	9.4
10°-20°	2256.8	23.6
20°-30°	2495.7	26.1
30°-40°	1762.2	18.4
40°-50°	991.7	10.4
50°-60°	559.7	5.8
60°-70°	338.2	3.5
70°-80°	200.8	2.1
80°-90°	74.9	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	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°	5648.0	59.0
0°-40°	7410.3	77.4
0°-60°	8961.7	93.6
0°-90°	9575.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9575.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9760	
5°	9563	896
15°	8124	2257
25°	5482	2496
35°	2792	1762
45°	1252	992
55°	611	560
65°	337	338
75°	189	201
85°	71	75
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9759.6
2.5°	9712.6
5°	9563.0
7.5°	9331.6
10°	9019.9
12.5°	8619.6
15°	8123.6
17.5°	7561.1
20°	6919.9
22.5°	6221.0
25°	5482.1
27.5°	4737.2
30°	4018.9
32.5°	3371.7
35°	2791.5
37.5°	2284.4
40°	1864.7
42.5°	1524.1
45°	1251.5
47.5°	1036.8
50°	863.5
52.5°	723.5
55°	611.1
57.5°	521.0
60°	447.4
62.5°	387.3
65°	336.6
67.5°	293.1
70°	254.3
72.5°	220.3
75°	188.7
77.5°	159.8
80°	130.1
82.5°	100.9
85°	71.2
87.5°	38.0
90°	0.0

(END OF REPORT)