

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: P219288

Luminaire Tested: **SSLED-LD5-9-N-UNV-L835-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: P219288
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-L835-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) 3500K CCT, 80 CRI LEDs
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8678.6 lumens
Efficiency: N/A
Efficacy: 135.4 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

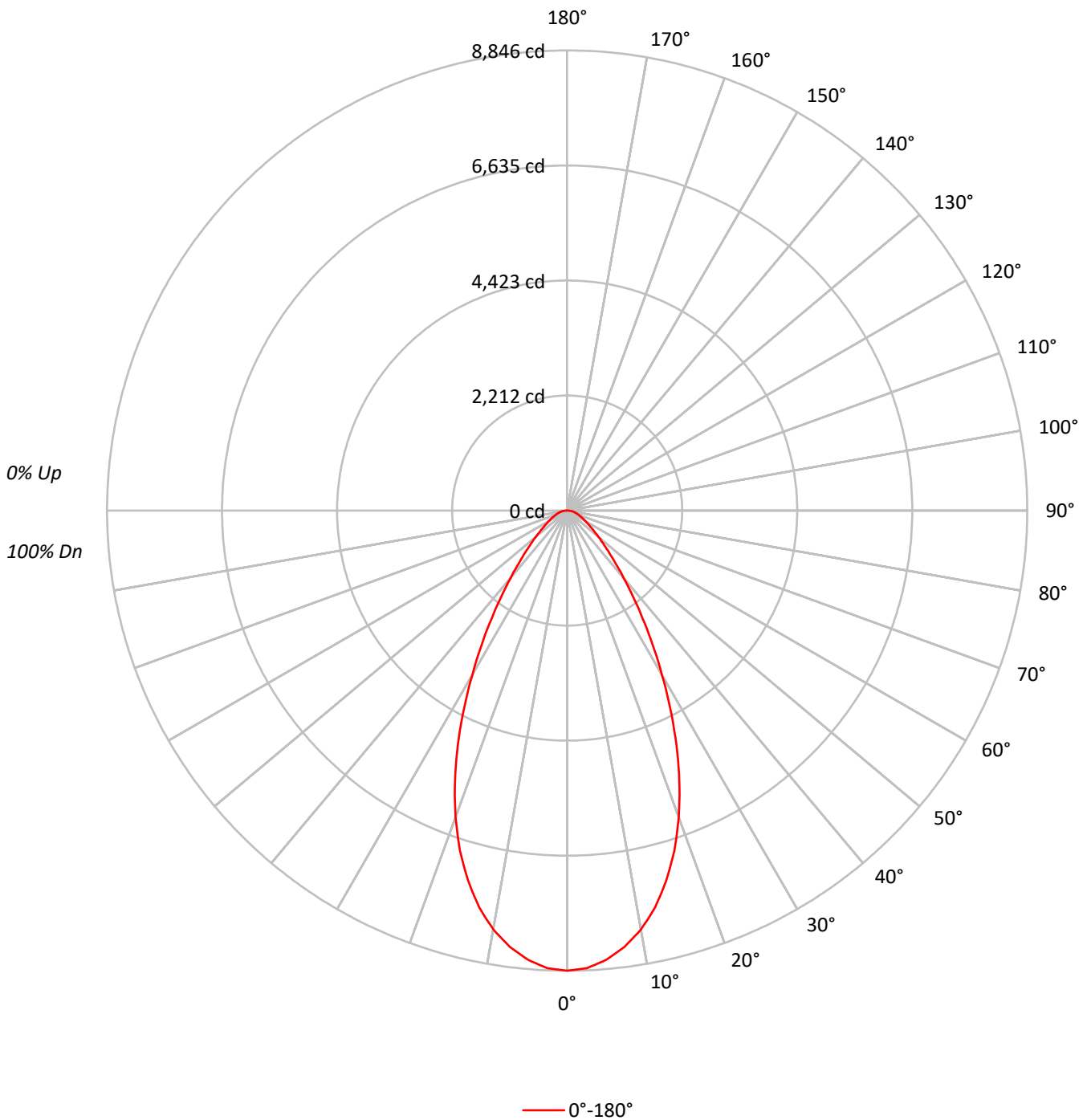
Input Watts (W): 64.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	60977
5°	59977
10°	57225
15°	52545
20°	46010
25°	37792
30°	28994
35°	21291
40°	15208
45°	11058
50°	8393
55°	6657
60°	5591
65°	4977
70°	4646
75°	4555
80°	4680
85°	5102



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	811.7	9.4
10°-20°	2045.4	23.6
20°-30°	2261.9	26.1
30°-40°	1597.1	18.4
40°-50°	898.8	10.4
50°-60°	507.2	5.8
60°-70°	306.6	3.5
70°-80°	182.0	2.1
80°-90°	67.8	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°	5119.0	59.0
0°-40°	6716.2	77.4
0°-60°	8122.3	93.6
0°-90°	8678.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8678.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8846	
5°	8667	812
15°	7363	2045
25°	4969	2262
35°	2530	1597
45°	1134	899
55°	554	507
65°	305	307
75°	171	182
85°	64	68
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8845.5
2.5°	8802.8
5°	8667.3
7.5°	8457.6
10°	8175.1
12.5°	7812.3
15°	7362.7
17.5°	6852.9
20°	6271.8
22.5°	5638.3
25°	4968.6
27.5°	4293.5
30°	3642.5
32.5°	3055.9
35°	2530.0
37.5°	2070.4
40°	1690.0
42.5°	1381.3
45°	1134.3
47.5°	939.7
50°	782.6
52.5°	655.7
55°	553.9
57.5°	472.2
60°	405.5
62.5°	351.0
65°	305.1
67.5°	265.7
70°	230.5
72.5°	199.7
75°	171.0
77.5°	144.8
80°	117.9
82.5°	91.4
85°	64.5
87.5°	34.4
90°	0.0

(END OF REPORT)