

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: P219395

Luminaire Tested: **SSLED-LD5-9-M-UNV-L850-CD1-SA23-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: P219395
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27262)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SSLED-LD5-9-M-UNV-L850-CD1-SA23-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH MEDIUM DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND. SHROUD ACCESSORY INSTALLED. FIXTURE CENTERED TO LEDS
Light Source: (240) 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9201.4 lumens
Efficiency: N/A
Efficacy: 143.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.15
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

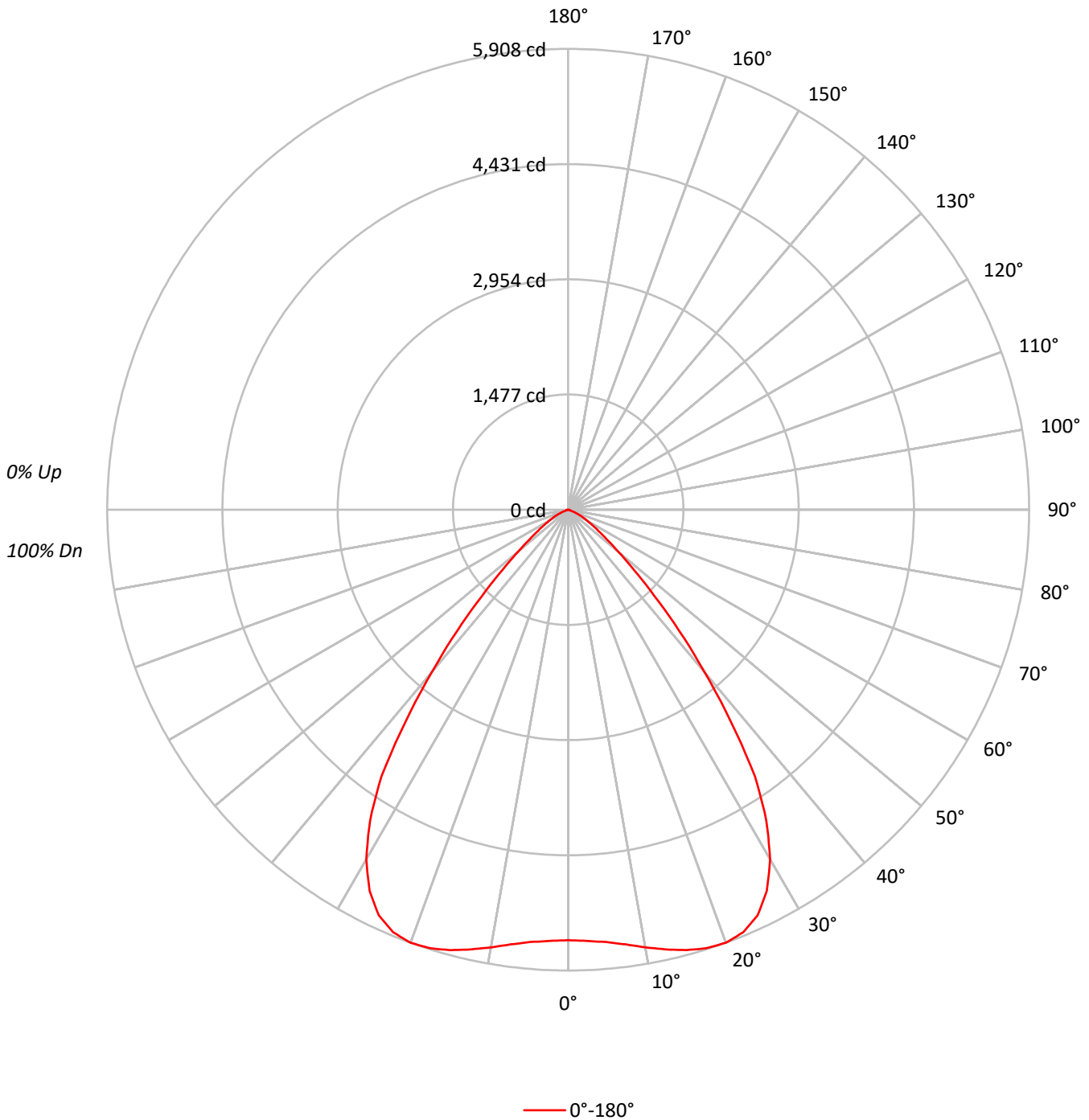
Input Watts (W): 64.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	92	104	98	94	91	95	92	88	92	89	87	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75
4	93	84	78	73	91	83	77	72	81	76	72	79	74	71	77	73	70	68
5	87	78	71	66	86	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	80	71	64	59	69	63	59	68	62	59	66	62	58	56
7	77	66	59	54	76	66	59	54	64	58	54	63	58	54	62	57	53	52
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	38041
5°	38495
10°	39876
15°	41717
20°	43337
25°	43658
30°	41190
35°	35102
40°	24386
45°	15228
50°	8942
55°	5657
60°	3829
65°	2432
70°	677
75°	463
80°	472
85°	625



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	535.3	5.8
10°-20°	1655.6	18.0
20°-30°	2612.0	28.4
30°-40°	2523.2	27.4
40°-50°	1252.7	13.6
50°-60°	446.1	4.8
60°-70°	148.5	1.6
70°-80°	20.1	0.2
80°-90°	7.8	0.1
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°	4802.9	52.2
0°-40°	7326.2	79.6
0°-60°	9025.0	98.1
0°-90°	9201.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9201.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5518	
5°	5563	535
15°	5845	1656
25°	5740	2612
35°	4171	2523
45°	1562	1253
55°	471	446
65°	149	148
75°	17	20
85°	8	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5518.3
2.5°	5532.5
5°	5563.0
7.5°	5620.0
10°	5696.7
12.5°	5773.8
15°	5845.4
17.5°	5895.3
20°	5907.5
22.5°	5863.2
25°	5739.8
27.5°	5512.4
30°	5174.6
32.5°	4726.4
35°	4171.1
37.5°	3423.1
40°	2709.9
42.5°	2102.3
45°	1562.0
47.5°	1138.0
50°	833.8
52.5°	621.4
55°	470.7
57.5°	361.9
60°	277.7
62.5°	210.0
65°	149.1
67.5°	89.8
70°	33.6
72.5°	21.8
75°	17.4
77.5°	14.2
80°	11.9
82.5°	10.3
85°	7.9
87.5°	4.4
90°	0.0

(END OF REPORT)