

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: P219458

Luminaire Tested: **SSLED-LD5-9-W-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: P219458
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27263)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SSLED-LD5-9-W-UNV-L850-CD1-SA23-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH WIDE 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: 9051.1 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Spacing Criteria (0/90/45): 1.7 / 1.7 / 1.49
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

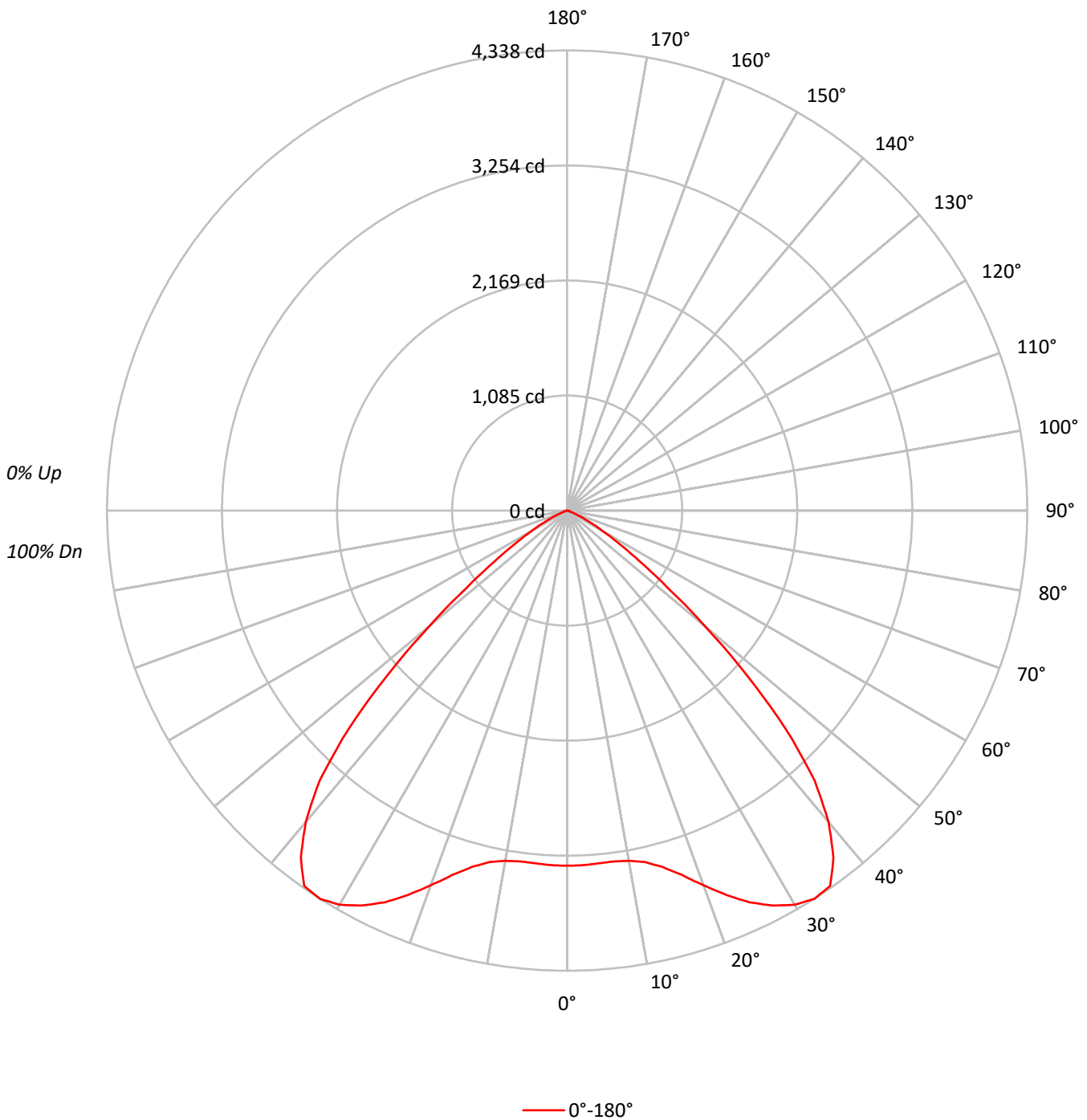
Input Watts (W): 64.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70
4	90	80	72	67	88	78	72	67	76	70	66	74	69	65	72	68	64	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55
6	77	66	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49
7	72	60	52	47	70	59	52	46	58	51	46	56	50	46	55	50	46	44
8	67	55	47	42	65	54	47	42	53	46	41	52	46	41	50	45	41	39
9	62	50	43	38	61	50	42	38	49	42	37	48	42	37	47	41	37	35
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	23074
5°	23099
10°	23461
15°	24820
20°	27567
25°	30990
30°	34150
35°	36364
40°	34489
45°	28475
50°	18165
55°	9974
60°	5399
65°	2536
70°	798
75°	621
80°	643
85°	688



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.0	3.5
10°-20°	1000.0	11.0
20°-30°	1883.9	20.8
30°-40°	2640.0	29.2
40°-50°	2190.9	24.2
50°-60°	806.9	8.9
60°-70°	175.1	1.9
70°-80°	26.0	0.3
80°-90°	9.3	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°	3202.9	35.4
0°-40°	5842.9	64.6
0°-60°	8840.7	97.7
0°-90°	9051.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9051.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3347	
5°	3338	319
15°	3478	1000
25°	4074	1884
35°	4321	2640
45°	2921	2191
55°	830	807
65°	156	175
75°	23	26
85°	9	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3347.2
2.5°	3346.0
5°	3338.1
7.5°	3336.2
10°	3351.6
12.5°	3393.1
15°	3477.8
17.5°	3602.4
20°	3757.8
22.5°	3920.8
25°	4074.3
27.5°	4197.7
30°	4290.2
32.5°	4338.1
35°	4321.1
37.5°	4123.7
40°	3832.6
42.5°	3453.2
45°	2920.8
47.5°	2299.0
50°	1693.8
52.5°	1192.6
55°	829.9
57.5°	581.1
60°	391.6
62.5°	258.7
65°	155.5
67.5°	84.6
70°	39.6
72.5°	28.1
75°	23.3
77.5°	19.4
80°	16.2
82.5°	13.1
85°	8.7
87.5°	4.4
90°	0.0

(END OF REPORT)