

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: P219394

Luminaire Tested: **SSLED-LD5-9-M-UNV-L840-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: P219394  
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-L840-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) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8919.3 lumens  
Efficiency: N/A  
Efficacy: 139.1 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

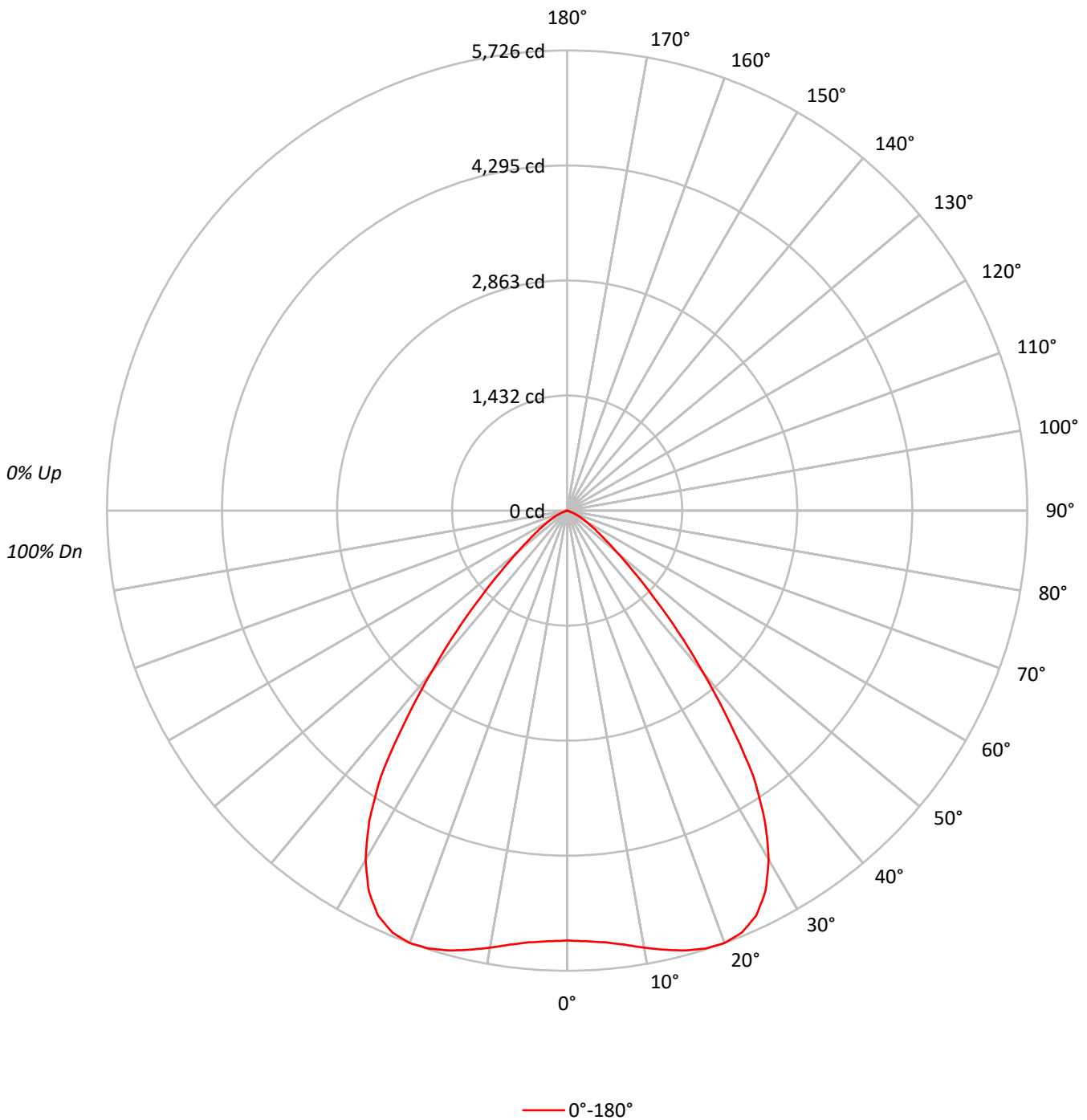
Input Watts (W): 64.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	36874
5°	37315
10°	38654
15°	40438
20°	42009
25°	42319
30°	39926
35°	34025
40°	23638
45°	14761
50°	8669
55°	5484
60°	3711
65°	2359
70°	657
75°	450
80°	457
85°	609



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	518.9	5.8
10°-20°	1604.8	18.0
20°-30°	2531.9	28.4
30°-40°	2445.9	27.4
40°-50°	1214.4	13.6
50°-60°	432.5	4.8
60°-70°	144.0	1.6
70°-80°	19.5	0.2
80°-90°	7.5	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°	4655.7	52.2
0°-40°	7101.6	79.6
0°-60°	8748.4	98.1
0°-90°	8919.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8919.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5349	
5°	5392	519
15°	5666	1605
25°	5564	2532
35°	4043	2446
45°	1514	1214
55°	456	432
65°	145	144
75°	17	19
85°	8	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5349.1
2.5°	5362.9
5°	5392.5
7.5°	5447.7
10°	5522.1
12.5°	5596.8
15°	5666.2
17.5°	5714.5
20°	5726.4
22.5°	5683.5
25°	5563.8
27.5°	5343.4
30°	5015.9
32.5°	4581.5
35°	4043.2
37.5°	3318.1
40°	2626.8
42.5°	2037.9
45°	1514.1
47.5°	1103.1
50°	808.3
52.5°	602.4
55°	456.3
57.5°	350.8
60°	269.2
62.5°	203.6
65°	144.6
67.5°	87.0
70°	32.6
72.5°	21.1
75°	16.9
77.5°	13.8
80°	11.5
82.5°	10.0
85°	7.7
87.5°	4.2
90°	0.0

(END OF REPORT)