

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: P219332

Luminaire Tested: **SSLED-LD5-9-N-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: P219332  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27261)  
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-SA23-U  
Description: METALUX ROUND HIGH BAY STEELER LED WITH NARROW 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: 9061.7 lumens  
Efficiency: N/A  
Efficacy: 141.4 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.86  
Luminous Opening: Circular (Dia: 1.41' x H: 0')  
CIE Type: Direct

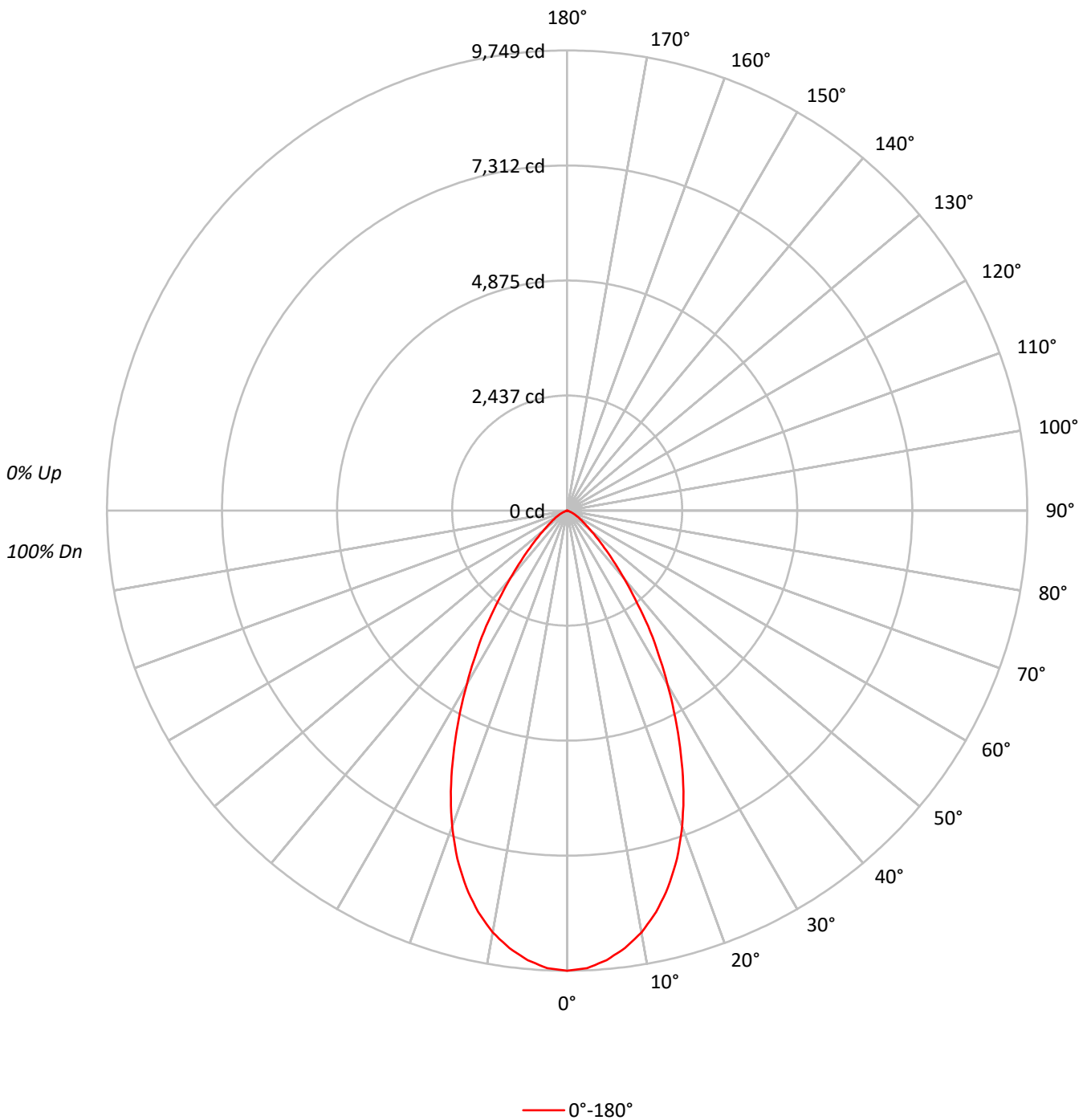
Input Watts (W): 64.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	107	105	111	108	106	103	104	102	100		100	99	97		97	96	94	93
2	107	102	97	94	105	100	96	93	97	93	91		94	91	89		91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	82		88	84	81		85	82	80	78
4	95	87	81	77	94	86	81	76	84	79	76		82	78	75		80	77	74	72
5	90	81	75	70	89	80	74	70	78	73	69		77	72	69		75	71	68	67
6	85	76	69	65	84	75	69	65	74	68	64		72	67	64		71	67	63	62
7	81	71	65	60	79	70	64	60	69	64	60		68	63	59		67	62	59	57
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59	55	52	50
10	69	59	53	49	68	59	53	49	58	52	49		57	52	49		56	52	48	47

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	67208
5°	66156
10°	63521
15°	58970
20°	52251
25°	43357
30°	33859
35°	25178
40°	16776
45°	10859
50°	7007
55°	4768
60°	3310
65°	2116
70°	582
75°	378
80°	377
85°	530



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	897.3	9.9
10°-20°	2296.7	25.3
20°-30°	2598.5	28.7
30°-40°	1856.1	20.5
40°-50°	892.0	9.8
50°-60°	369.2	4.1
60°-70°	128.5	1.4
70°-80°	16.6	0.2
80°-90°	6.9	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°	5792.4	63.9
0°-40°	7648.5	84.4
0°-60°	8909.7	98.3
0°-90°	9061.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9061.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9749	
5°	9560	897
15°	8263	2297
25°	5700	2598
35°	2992	1856
45°	1114	892
55°	397	369
65°	130	129
75°	14	17
85°	7	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	9749.4
2.5°	9701.5
5°	9560.3
7.5°	9351.9
10°	9074.6
12.5°	8709.5
15°	8262.9
17.5°	7734.5
20°	7122.6
22.5°	6441.4
25°	5700.2
27.5°	4965.3
30°	4253.7
32.5°	3595.5
35°	2991.9
37.5°	2361.0
40°	1864.2
42.5°	1448.9
45°	1113.9
47.5°	851.6
50°	653.4
52.5°	507.5
55°	396.7
57.5°	310.5
60°	240.1
62.5°	181.6
65°	129.7
67.5°	77.5
70°	28.9
72.5°	18.2
75°	14.2
77.5°	11.5
80°	9.5
82.5°	8.3
85°	6.7
87.5°	5.5
90°	0.0

(END OF REPORT)