

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: P219330

Luminaire Tested: **SSLED-LD5-9-N-UNV-L835-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: P219330
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-L835-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) 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8213.0 lumens
Efficiency: N/A
Efficacy: 128.1 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

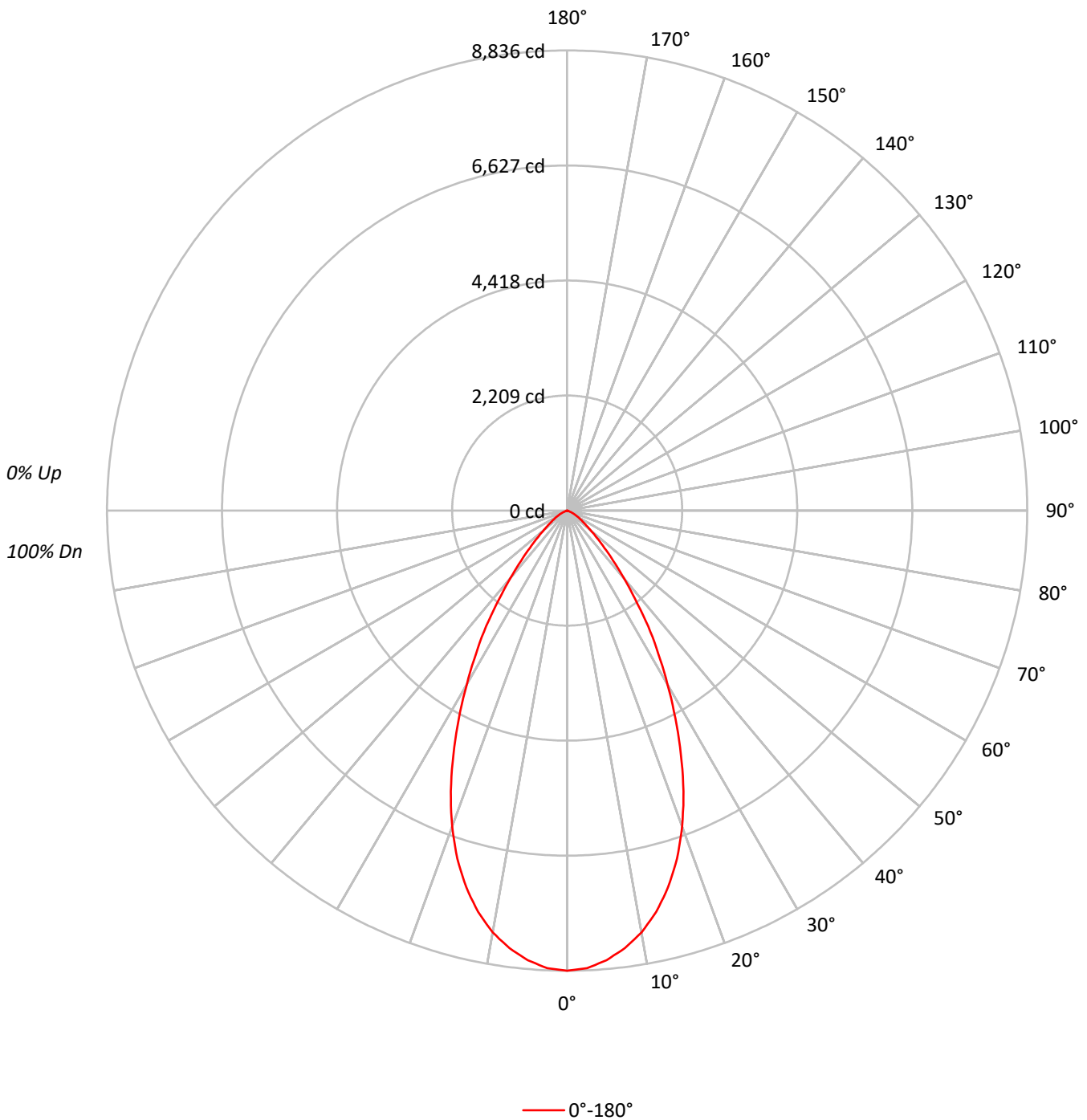
Input Watts (W): 64.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P219330

CATALOG NUMBER: SSLED-LD5-9-N-UNV-L835-CD1-SA23-U

Luminous Intensity Polar Plot





TEST NUMBER: P219330

CATALOG NUMBER: SSLED-LD5-9-N-UNV-L835-CD1-SA23-U

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°	60913
5°	59960
10°	57571
15°	53447
20°	47356
25°	39296
30°	30688
35°	22820
40°	15204
45°	9842
50°	6351
55°	4322
60°	3000
65°	1918
70°	528
75°	344
80°	341
85°	482



TEST NUMBER: P219330

CATALOG NUMBER: SSLED-LD5-9-N-UNV-L835-CD1-SA23-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	813.2	9.9
10°-20°	2081.5	25.3
20°-30°	2355.1	28.7
30°-40°	1682.3	20.5
40°-50°	808.5	9.8
50°-60°	334.6	4.1
60°-70°	116.5	1.4
70°-80°	15.1	0.2
80°-90°	6.2	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°	5249.8	63.9
0°-40°	6932.1	84.4
0°-60°	8075.2	98.3
0°-90°	8213.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8213.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8836	
5°	8665	813
15°	7489	2082
25°	5166	2355
35°	2712	1682
45°	1010	808
55°	360	335
65°	118	116
75°	13	15
85°	6	6
90°	0	



TEST NUMBER: P219330

CATALOG NUMBER: SSLED-LD5-9-N-UNV-L835-CD1-SA23-U

CANDELA DISTRIBUTION (FULL):

	0°
0°	8836.2
2.5°	8792.8
5°	8664.9
7.5°	8475.9
10°	8224.6
12.5°	7893.7
15°	7489.0
17.5°	7010.0
20°	6455.4
22.5°	5838.1
25°	5166.3
27.5°	4500.2
30°	3855.3
32.5°	3258.7
35°	2711.7
37.5°	2139.9
40°	1689.6
42.5°	1313.2
45°	1009.5
47.5°	771.8
50°	592.2
52.5°	460.0
55°	359.6
57.5°	281.4
60°	217.6
62.5°	164.5
65°	117.6
67.5°	70.3
70°	26.2
72.5°	16.5
75°	12.9
77.5°	10.4
80°	8.6
82.5°	7.5
85°	6.1
87.5°	5.0
90°	0.0

(END OF REPORT)