

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: P219456

Luminaire Tested: **SSLED-LD5-9-W-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: P219456  
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-L835-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) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8203.4 lumens  
Efficiency: N/A  
Efficacy: 128.0 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

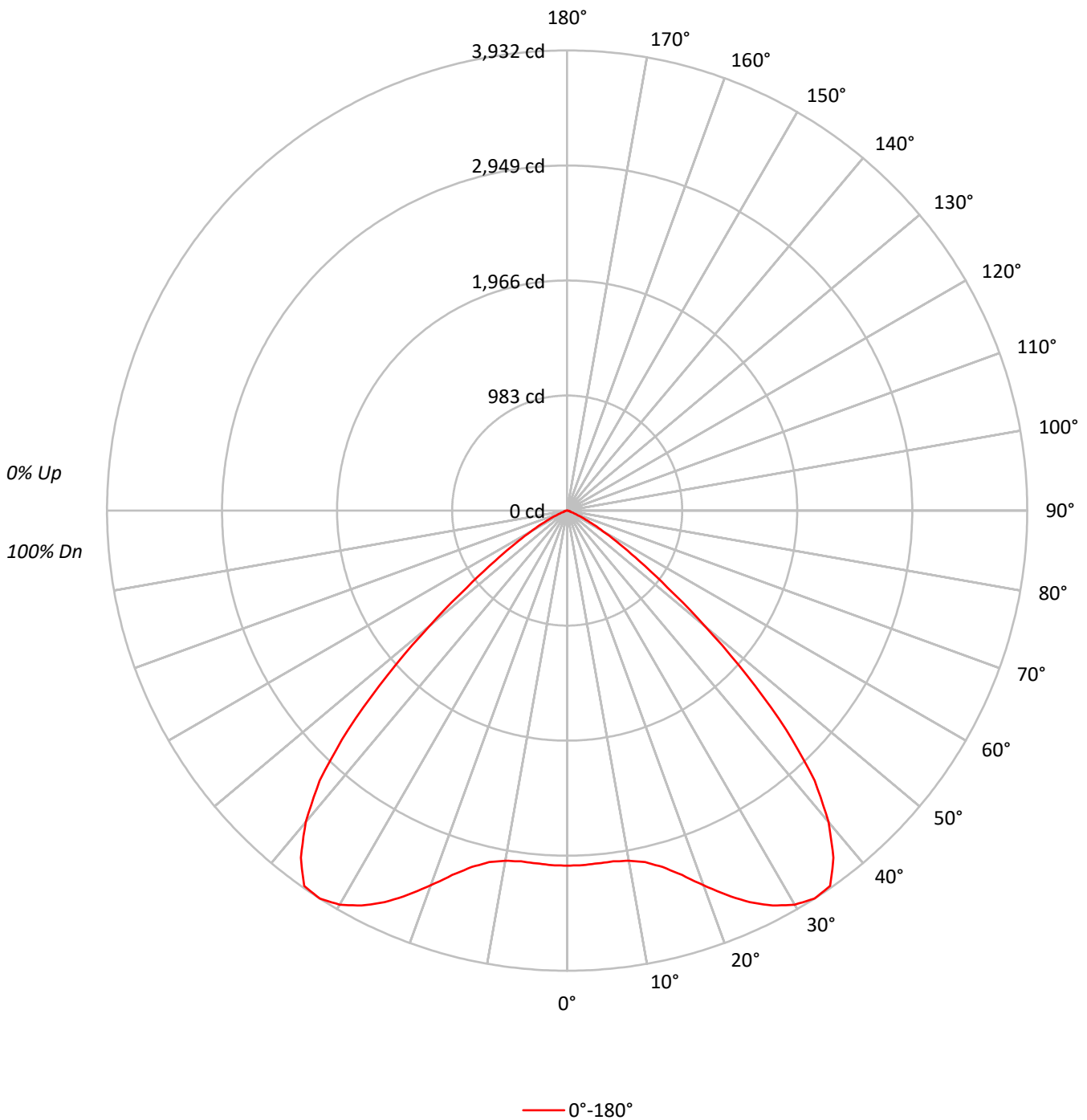
Input Watts (W): 64.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	20913
5°	20936
10°	21264
15°	22495
20°	24986
25°	28087
30°	30952
35°	32958
40°	31258
45°	25807
50°	16463
55°	9040
60°	4893
65°	2298
70°	724
75°	565
80°	584
85°	625



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	289.1	3.5
10°-20°	906.4	11.0
20°-30°	1707.4	20.8
30°-40°	2392.7	29.2
40°-50°	1985.7	24.2
50°-60°	731.3	8.9
60°-70°	158.7	1.9
70°-80°	23.6	0.3
80°-90°	8.4	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°	2902.9	35.4
0°-40°	5295.6	64.6
0°-60°	8012.6	97.7
0°-90°	8203.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8203.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3034	
5°	3026	289
15°	3152	906
25°	3693	1707
35°	3916	2393
45°	2647	1986
55°	752	731
65°	141	159
75°	21	24
85°	8	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3033.7
2.5°	3032.6
5°	3025.5
7.5°	3023.7
10°	3037.7
12.5°	3075.3
15°	3152.0
17.5°	3265.0
20°	3405.9
22.5°	3553.6
25°	3692.7
27.5°	3804.5
30°	3888.4
32.5°	3931.8
35°	3916.4
37.5°	3737.5
40°	3473.6
42.5°	3129.8
45°	2647.2
47.5°	2083.7
50°	1535.1
52.5°	1080.9
55°	752.2
57.5°	526.7
60°	354.9
62.5°	234.5
65°	140.9
67.5°	76.7
70°	35.9
72.5°	25.5
75°	21.2
77.5°	17.6
80°	14.7
82.5°	11.8
85°	7.9
87.5°	3.9
90°	0.0

(END OF REPORT)