

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: P219414

Luminaire Tested: **SSLED-LD5-9-W-UNV-L835-CD1-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: P219414  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27368)  
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-U  
Description: METALUX ROUND HIGH BAY STEELER LED WITH WIDE DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND.  
Light Source: (240) 3500K CCT, 80 CRI LEDs  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8736.8 lumens  
Efficiency: N/A  
Efficacy: 136.3 lumens/watt  
Spacing Criteria (0/90/45): 1.9 / 1.9 / 1.7  
Luminous Opening: Circular (Dia: 1.41' x H: 0')  
CIE Type: Direct

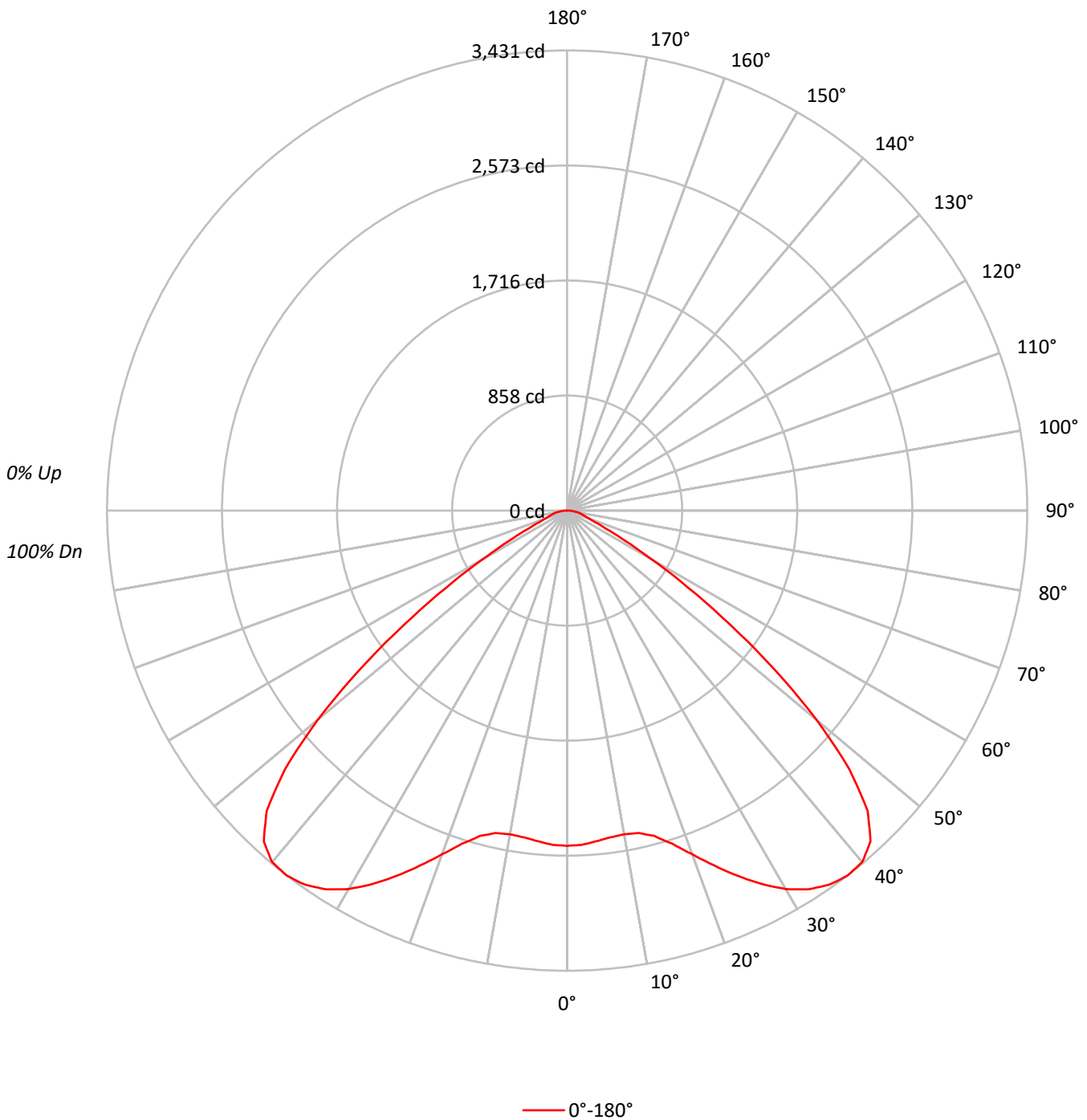
Input Watts (W): 64.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	107	103	100	108	105	101	99	100	98	95		97	95	93		93	91	90	88
2	102	95	89	84	100	93	88	83	90	85	81		87	83	80		84	81	78	76
3	94	85	77	72	92	83	76	71	80	74	70		77	73	69		75	71	67	65
4	86	75	67	61	84	74	67	61	72	65	60		69	64	59		67	63	59	57
5	79	67	59	53	77	66	59	53	64	57	52		62	56	52		61	55	51	49
6	73	61	52	46	71	60	52	46	58	51	46		56	50	45		55	49	45	43
7	68	55	46	41	66	54	46	40	52	45	40		51	45	40		50	44	40	38
8	63	50	41	36	61	49	41	36	48	41	36		46	40	35		45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32		43	36	32		42	36	31	30
10	54	42	34	29	53	41	34	29	40	33	28		39	33	28		38	32	28	26

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

	0°
0°	17230
5°	17132
10°	17153
15°	17925
20°	20001
25°	22854
30°	25934
35°	28664
40°	30797
45°	30886
50°	26029
55°	17803
60°	10048
65°	5216
70°	3418
75°	3162
80°	3275
85°	3259



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	235.4	2.7
10°-20°	724.5	8.3
20°-30°	1395.9	16.0
30°-40°	2126.2	24.3
40°-50°	2370.0	27.1
50°-60°	1349.0	15.4
60°-70°	362.6	4.2
70°-80°	128.2	1.5
80°-90°	44.9	0.5
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°	2355.8	27.0
0°-40°	4482.0	51.3
0°-60°	8201.0	93.9
0°-90°	8736.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8736.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2500	
5°	2476	235
15°	2512	724
25°	3005	1396
35°	3406	2126
45°	3168	2370
55°	1481	1349
65°	320	363
75°	119	128
85°	41	45
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2499.5
2.5°	2494.1
5°	2475.8
7.5°	2457.5
10°	2450.4
12.5°	2462.2
15°	2511.7
17.5°	2604.2
20°	2726.4
22.5°	2864.1
25°	3004.6
27.5°	3138.7
30°	3258.1
32.5°	3348.1
35°	3406.1
37.5°	3431.2
40°	3422.3
42.5°	3347.7
45°	3168.1
47.5°	2854.4
50°	2427.1
52.5°	1952.1
55°	1481.3
57.5°	1069.4
60°	728.8
62.5°	483.3
65°	319.8
67.5°	223.0
70°	169.6
72.5°	139.1
75°	118.7
77.5°	102.2
80°	82.5
82.5°	60.9
85°	41.2
87.5°	21.5
90°	0.0

(END OF REPORT)