

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: P219399

Luminaire Tested: **SSLED-LD5-15-M-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: P219399  
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-LD5-15-M-UNV-L835-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) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13786.0 lumens  
Efficiency: N/A  
Efficacy: 124.5 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

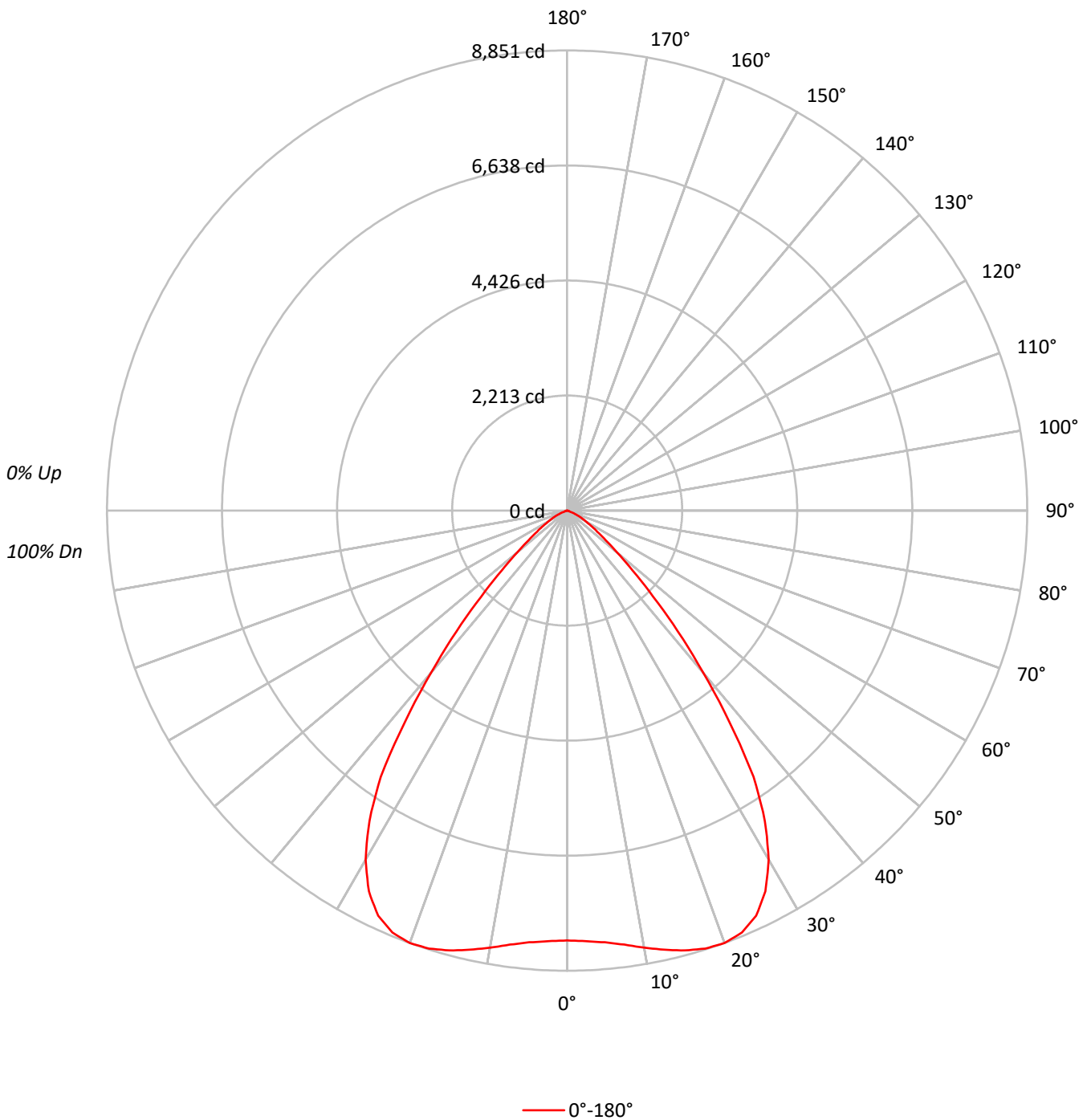
Input Watts (W): 110.74  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	56994
5°	57676
10°	59745
15°	62503
20°	64930
25°	65411
30°	61712
35°	52591
40°	36536
45°	22815
50°	13398
55°	8475
60°	5735
65°	3644
70°	1016
75°	695
80°	707
85°	941



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	802.1	5.8
10°-20°	2480.5	18.0
20°-30°	3913.4	28.4
30°-40°	3780.5	27.4
40°-50°	1876.9	13.6
50°-60°	668.4	4.8
60°-70°	222.5	1.6
70°-80°	30.1	0.2
80°-90°	11.6	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°	7196.0	52.2
0°-40°	10976.5	79.6
0°-60°	13521.8	98.1
0°-90°	13786.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13786.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8268	
5°	8335	802
15°	8758	2481
25°	8600	3913
35°	6249	3780
45°	2340	1877
55°	705	668
65°	223	222
75°	26	30
85°	12	12
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8267.8
2.5°	8289.2
5°	8334.8
7.5°	8420.1
10°	8535.1
12.5°	8650.7
15°	8757.9
17.5°	8832.6
20°	8851.0
22.5°	8784.6
25°	8599.7
27.5°	8258.9
30°	7752.8
32.5°	7081.4
35°	6249.3
37.5°	5128.7
40°	4060.1
42.5°	3149.8
45°	2340.3
47.5°	1705.0
50°	1249.3
52.5°	931.0
55°	705.2
57.5°	542.3
60°	416.0
62.5°	314.7
65°	223.4
67.5°	134.5
70°	50.4
72.5°	32.6
75°	26.1
77.5°	21.3
80°	17.8
82.5°	15.4
85°	11.9
87.5°	6.5
90°	0.0

(END OF REPORT)