

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: P219401

Luminaire Tested: **SSLED-LD5-15-M-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: P219401  
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-L850-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) 5000K CCT, 80 CRI LEDS  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15210.7 lumens  
Efficiency: N/A  
Efficacy: 137.4 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

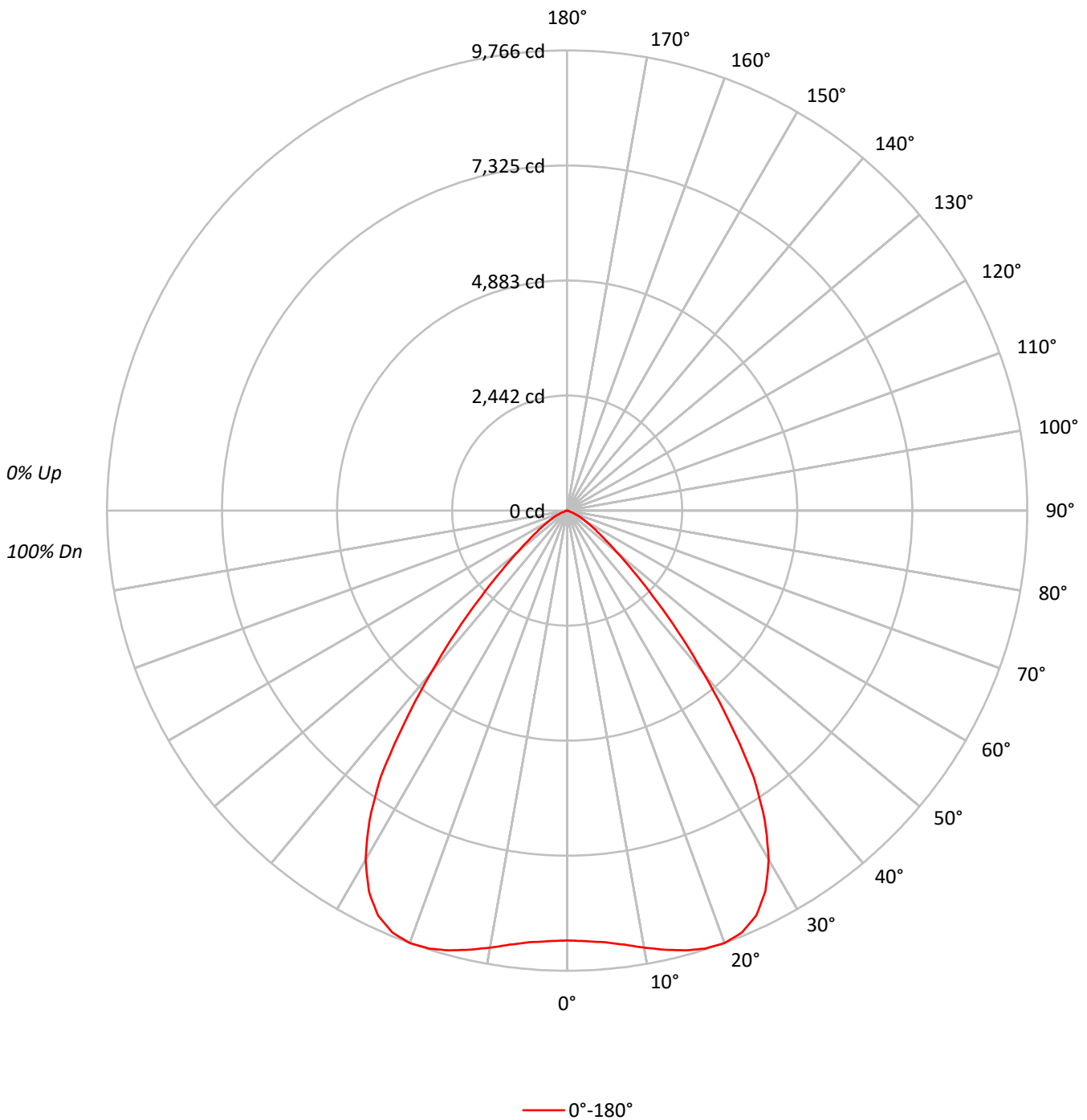
Input Watts (W): 110.74  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	62885
5°	63636
10°	65919
15°	68962
20°	71641
25°	72170
30°	68090
35°	58025
40°	40312
45°	25174
50°	14783
55°	9352
60°	6328
65°	4021
70°	1121
75°	767
80°	778
85°	1036



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	885.0	5.8
10°-20°	2736.9	18.0
20°-30°	4317.8	28.4
30°-40°	4171.1	27.4
40°-50°	2070.9	13.6
50°-60°	737.5	4.8
60°-70°	245.5	1.6
70°-80°	33.2	0.2
80°-90°	12.8	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°	7939.7	52.2
0°-40°	12110.8	79.6
0°-60°	14919.2	98.1
0°-90°	15210.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15210.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9122	
5°	9196	885
15°	9663	2737
25°	9488	4318
35°	6895	4171
45°	2582	2071
55°	778	737
65°	246	245
75°	29	33
85°	13	13
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9122.3
2.5°	9145.8
5°	9196.1
7.5°	9290.3
10°	9417.2
12.5°	9544.7
15°	9663.0
17.5°	9745.4
20°	9765.7
22.5°	9692.4
25°	9488.4
27.5°	9112.5
30°	8554.0
32.5°	7813.2
35°	6895.1
37.5°	5658.7
40°	4479.7
42.5°	3475.4
45°	2582.2
47.5°	1881.2
50°	1378.4
52.5°	1027.2
55°	778.1
57.5°	598.3
60°	459.0
62.5°	347.2
65°	246.5
67.5°	148.4
70°	55.6
72.5°	36.0
75°	28.8
77.5°	23.5
80°	19.6
82.5°	17.0
85°	13.1
87.5°	7.2
90°	0.0

(END OF REPORT)