

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: P219337

Luminaire Tested: **SSLED-LD5-15-N-UNV-L840-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: P219337  
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-LD5-15-N-UNV-L840-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) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14520.7 lumens  
Efficiency: N/A  
Efficacy: 131.1 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

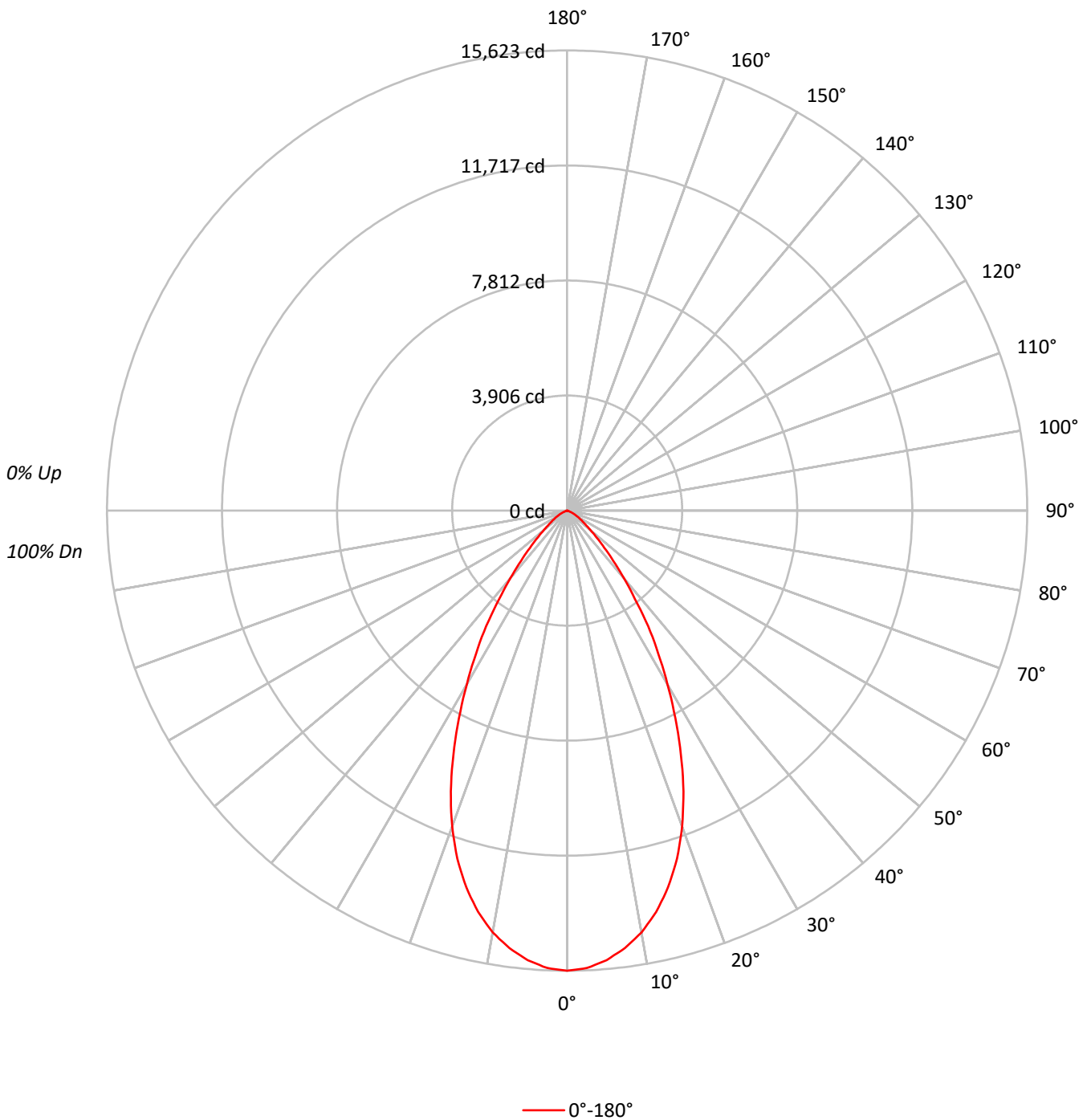
Input Watts (W): 110.74  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	107695
5°	106010
10°	101787
15°	94494
20°	83727
25°	69476
30°	54257
35°	40346
40°	26881
45°	17401
50°	11230
55°	7640
60°	5304
65°	3391
70°	933
75°	607
80°	603
85°	854



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1437.8	9.9
10°-20°	3680.2	25.3
20°-30°	4163.8	28.7
30°-40°	2974.3	20.5
40°-50°	1429.4	9.8
50°-60°	591.6	4.1
60°-70°	206.0	1.4
70°-80°	26.6	0.2
80°-90°	11.1	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°	9281.8	63.9
0°-40°	12256.0	84.4
0°-60°	14277.0	98.3
0°-90°	14520.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14520.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	15623	
5°	15320	###
15°	13241	3680
25°	9134	4164
35°	4794	2974
45°	1785	1429
55°	636	592
65°	208	206
75°	23	27
85°	11	11
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	15622.6
2.5°	15545.9
5°	15319.6
7.5°	14985.6
10°	14541.3
12.5°	13956.2
15°	13240.6
17.5°	12393.8
20°	11413.3
22.5°	10321.9
25°	9134.1
27.5°	7956.4
30°	6816.2
32.5°	5761.5
35°	4794.3
37.5°	3783.3
40°	2987.2
42.5°	2321.7
45°	1784.9
47.5°	1364.6
50°	1047.1
52.5°	813.2
55°	635.7
57.5°	497.6
60°	384.7
62.5°	290.9
65°	207.9
67.5°	124.2
70°	46.3
72.5°	29.2
75°	22.8
77.5°	18.4
80°	15.2
82.5°	13.3
85°	10.8
87.5°	8.9
90°	0.0

(END OF REPORT)