

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: P219296

Luminaire Tested: **SSLED-LD5-15-N-UNV-L850-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: P219296  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27366)  
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-L850-CD1-U  
Description: METALUX ROUND HIGH BAY STEELER LED WITH NARROW DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND.  
Light Source: (240) 5000K CCT, 80 CRI LEDs  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15829.3 lumens  
Efficiency: N/A  
Efficacy: 142.9 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.84  
Luminous Opening: Circular (Dia: 1.41' x H: 0')  
CIE Type: Direct

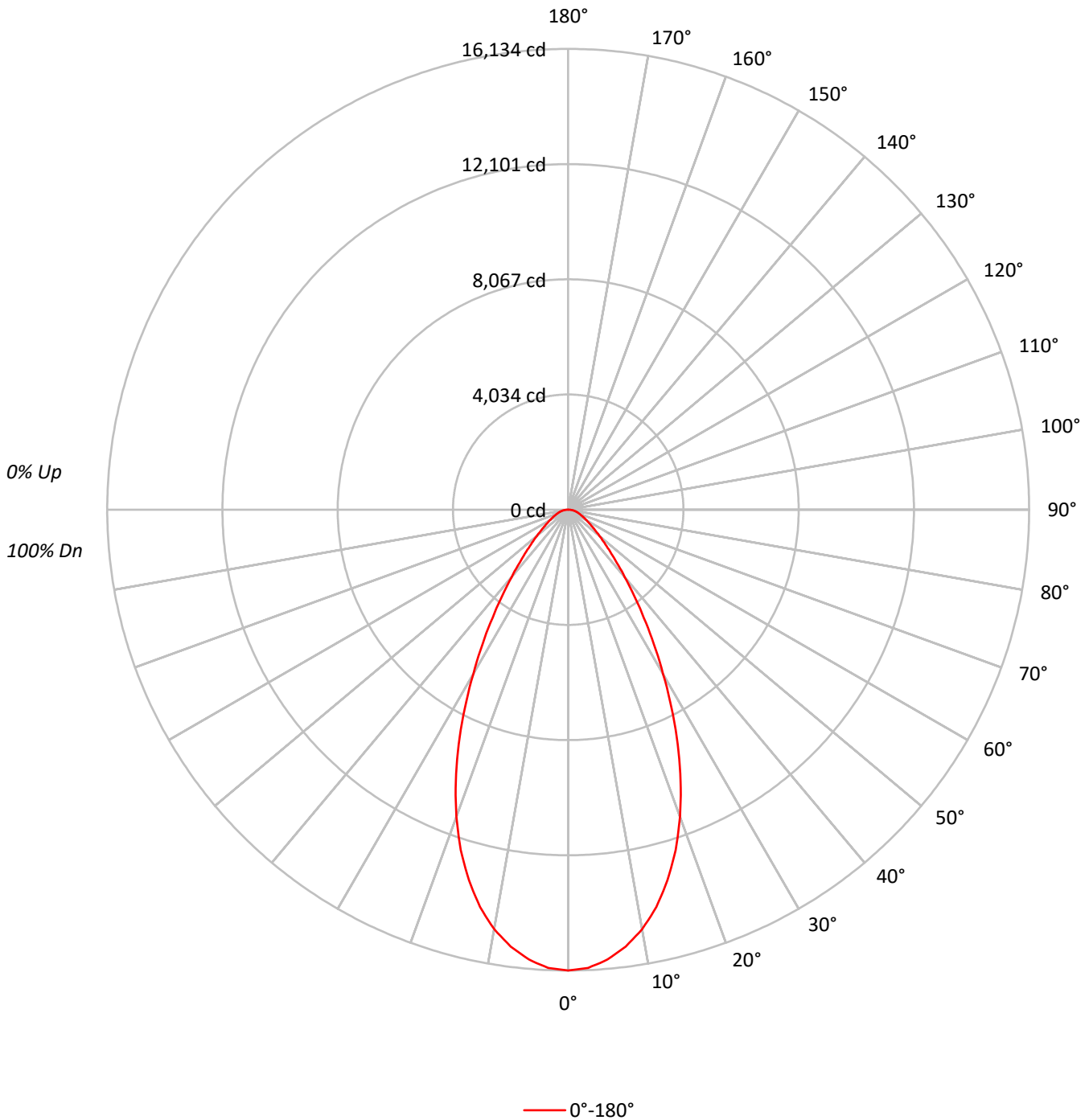
Input Watts (W): 110.74  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	95	90	103	98	93	89	94	91	87		91	88	86		88	86	84	82
3	99	91	85	81	97	90	84	80	87	83	79		85	81	77		82	79	76	75
4	93	84	78	73	91	83	77	72	81	76	72		79	74	71		77	73	70	68
5	88	78	71	66	86	77	71	66	75	70	65		73	69	65		72	68	64	63
6	83	73	66	61	81	72	65	61	70	65	60		69	64	60		67	63	59	58
7	78	68	61	56	77	67	61	56	66	60	56		65	59	56		63	59	55	54
8	74	64	57	52	73	63	57	52	62	56	52		61	55	52		60	55	51	50
9	70	60	53	49	69	59	53	49	58	52	48		57	52	48		56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45		54	49	45		53	49	45	44

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

	0°
0°	111218
5°	109393
10°	104374
15°	95840
20°	83918
25°	68929
30°	52883
35°	38833
40°	27739
45°	20170
50°	15309
55°	12142
60°	10197
65°	9077
70°	8475
75°	8307
80°	8539
85°	9309



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1480.5	9.4
10°-20°	3730.7	23.6
20°-30°	4125.5	26.1
30°-40°	2913.1	18.4
40°-50°	1639.5	10.4
50°-60°	925.2	5.8
60°-70°	559.1	3.5
70°-80°	332.0	2.1
80°-90°	123.8	0.8
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°	9336.7	59.0
0°-40°	12249.8	77.4
0°-60°	14814.5	93.6
0°-90°	15829.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15829.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	16134	
5°	15809	###
15°	13429	3731
25°	9062	4126
35°	4614	2913
45°	2069	1639
55°	1010	925
65°	556	559
75°	312	332
85°	118	124
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	16133.6
2.5°	16055.8
5°	15808.6
7.5°	15426.1
10°	14910.8
12.5°	14249.0
15°	13429.1
17.5°	12499.2
20°	11439.3
22.5°	10283.8
25°	9062.3
27.5°	7831.1
30°	6643.6
32.5°	5573.8
35°	4614.5
37.5°	3776.2
40°	3082.5
42.5°	2519.5
45°	2068.9
47.5°	1713.9
50°	1427.5
52.5°	1196.0
55°	1010.3
57.5°	861.2
60°	739.6
62.5°	640.2
65°	556.5
67.5°	484.5
70°	420.5
72.5°	364.2
75°	311.9
77.5°	264.2
80°	215.1
82.5°	166.7
85°	117.7
87.5°	62.8
90°	0.0

(END OF REPORT)