

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: P219294

Luminaire Tested: **SSLED-LD5-15-N-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: P219294  
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-L835-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) 3500K CCT, 80 CRI LEDs  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14346.6 lumens  
Efficiency: N/A  
Efficacy: 129.6 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

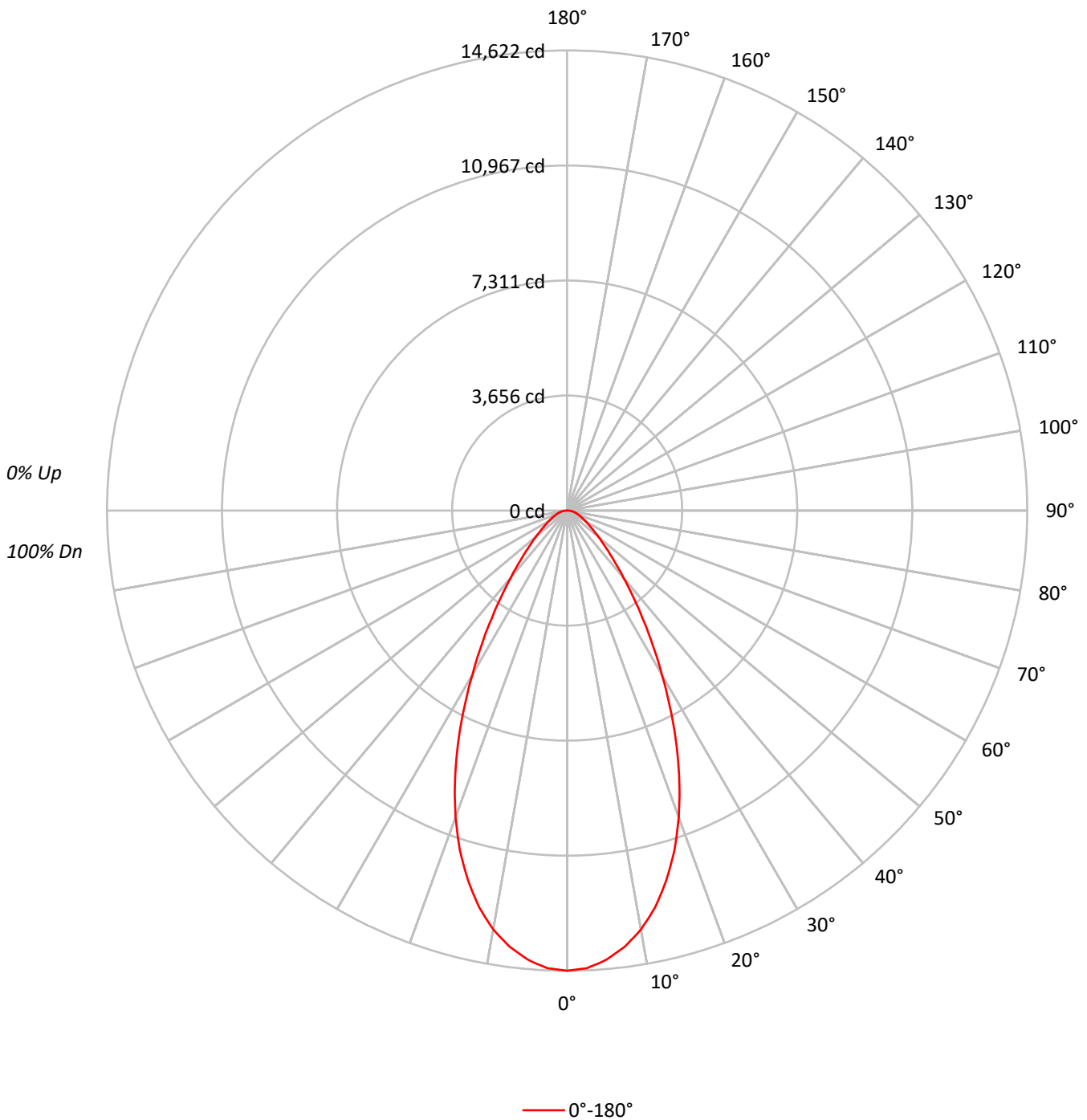
Input Watts (W): 110.74  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	100800
5°	99147
10°	94598
15°	86862
20°	76058
25°	62473
30°	47929
35°	35196
40°	25140
45°	18280
50°	13875
55°	11004
60°	9241
65°	8226
70°	7681
75°	7530
80°	7741
85°	8439



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1341.9	9.4
10°-20°	3381.2	23.6
20°-30°	3739.1	26.1
30°-40°	2640.2	18.4
40°-50°	1485.9	10.4
50°-60°	838.5	5.8
60°-70°	506.8	3.5
70°-80°	300.9	2.1
80°-90°	112.2	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°	8462.2	59.0
0°-40°	11102.4	77.4
0°-60°	13426.8	93.6
0°-90°	14346.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14346.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	14622	
5°	14328	###
15°	12171	3381
25°	8214	3739
35°	4182	2640
45°	1875	1486
55°	916	839
65°	504	507
75°	283	301
85°	107	112
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	14622.4
2.5°	14551.9
5°	14327.9
7.5°	13981.2
10°	13514.2
12.5°	12914.4
15°	12171.2
17.5°	11328.5
20°	10367.8
22.5°	9320.6
25°	8213.5
27.5°	7097.6
30°	6021.3
32.5°	5051.7
35°	4182.3
37.5°	3422.5
40°	2793.7
42.5°	2283.5
45°	1875.1
47.5°	1553.3
50°	1293.8
52.5°	1084.0
55°	915.6
57.5°	780.5
60°	670.3
62.5°	580.2
65°	504.3
67.5°	439.2
70°	381.1
72.5°	330.1
75°	282.7
77.5°	239.4
80°	195.0
82.5°	151.1
85°	106.7
87.5°	56.9
90°	0.0

(END OF REPORT)