

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: P219297

Luminaire Tested: **SSLED-LD5-18-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: P219297  
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-LD5-18-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: 16854.3 lumens  
Efficiency: N/A  
Efficacy: 126.0 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

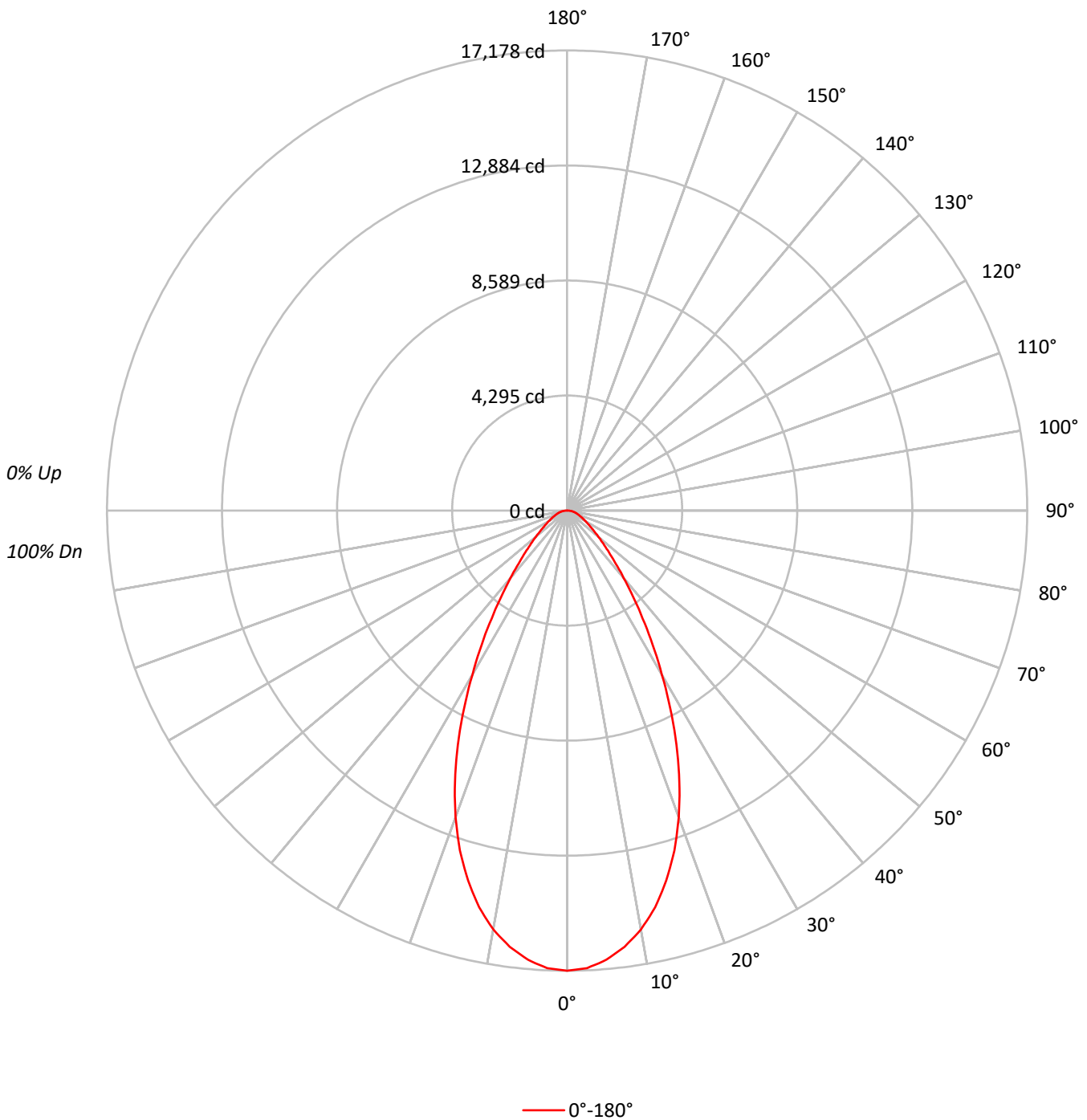
Input Watts (W): 133.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	118419
5°	116477
10°	111132
15°	102046
20°	89352
25°	73394
30°	56307
35°	41348
40°	29535
45°	21476
50°	16300
55°	12928
60°	10856
65°	9665
70°	9024
75°	8845
80°	9095
85°	9911



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1576.4	9.4
10°-20°	3972.2	23.6
20°-30°	4392.7	26.1
30°-40°	3101.7	18.4
40°-50°	1745.6	10.4
50°-60°	985.1	5.8
60°-70°	595.3	3.5
70°-80°	353.5	2.1
80°-90°	131.8	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°	9941.4	59.0
0°-40°	13043.1	77.4
0°-60°	15773.7	93.6
0°-90°	16854.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16854.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	17178	
5°	16832	###
15°	14299	3972
25°	9649	4393
35°	4913	3102
45°	2203	1746
55°	1076	985
65°	592	595
75°	332	353
85°	125	132
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	17178.3
2.5°	17095.5
5°	16832.3
7.5°	16425.0
10°	15876.3
12.5°	15171.8
15°	14298.7
17.5°	13308.6
20°	12180.0
22.5°	10949.8
25°	9649.2
27.5°	8338.2
30°	7073.8
32.5°	5934.7
35°	4913.4
37.5°	4020.8
40°	3282.1
42.5°	2682.6
45°	2202.9
47.5°	1824.8
50°	1519.9
52.5°	1273.4
55°	1075.7
57.5°	916.9
60°	787.4
62.5°	681.6
65°	592.5
67.5°	515.9
70°	447.7
72.5°	387.8
75°	332.1
77.5°	281.3
80°	229.1
82.5°	177.5
85°	125.3
87.5°	66.8
90°	0.0

(END OF REPORT)