

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: P219339

Luminaire Tested: **SSLED-LD5-18-N-UNV-L835-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: P219339  
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-LD5-18-N-UNV-L835-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) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15949.9 lumens  
Efficiency: N/A  
Efficacy: 119.2 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

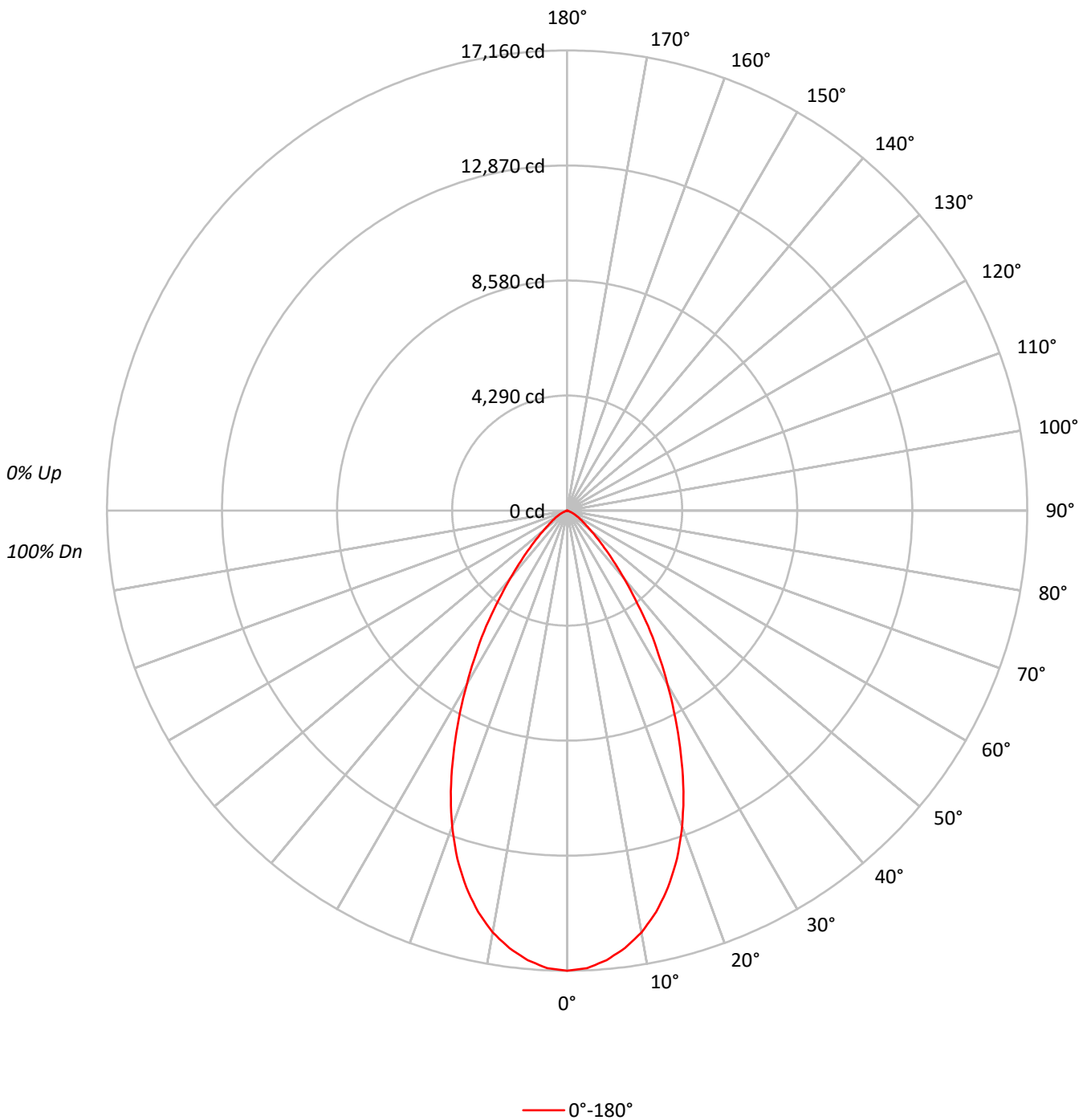
Input Watts (W): 133.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	118295
5°	116444
10°	111806
15°	103796
20°	91969
25°	76314
30°	59597
35°	44317
40°	29528
45°	19113
50°	12334
55°	8393
60°	5826
65°	3726
70°	1024
75°	669
80°	663
85°	933



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1579.3	9.9
10°-20°	4042.5	25.3
20°-30°	4573.6	28.7
30°-40°	3267.0	20.5
40°-50°	1570.1	9.8
50°-60°	649.8	4.1
60°-70°	226.3	1.4
70°-80°	29.3	0.2
80°-90°	12.1	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°	10195.4	63.9
0°-40°	13462.4	84.4
0°-60°	15682.2	98.3
0°-90°	15949.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15949.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	17160	
5°	16828	###
15°	14544	4042
25°	10033	4574
35°	5266	3267
45°	1960	1570
55°	698	650
65°	228	226
75°	25	29
85°	12	12
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	17160.3
2.5°	17076.0
5°	16827.5
7.5°	16460.6
10°	15972.5
12.5°	15329.9
15°	14543.9
17.5°	13613.8
20°	12536.7
22.5°	11337.9
25°	10033.1
27.5°	8739.6
30°	7487.1
32.5°	6328.6
35°	5266.2
37.5°	4155.7
40°	3281.3
42.5°	2550.2
45°	1960.5
47.5°	1498.9
50°	1150.1
52.5°	893.2
55°	698.3
57.5°	546.5
60°	422.6
62.5°	319.6
65°	228.4
67.5°	136.5
70°	50.8
72.5°	32.0
75°	25.1
77.5°	20.2
80°	16.7
82.5°	14.6
85°	11.8
87.5°	9.7
90°	0.0

(END OF REPORT)