

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: P219467

Luminaire Tested: **SSLED-LD5-18-W-UNV-L850-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: P219467  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27263)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: SSLED-LD5-18-W-UNV-L850-CD1-SA23-U  
Description: METALUX ROUND HIGH BAY STEELER LED WITH WIDE DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND. SHROUD ACCESSORY INSTALLED. FIXTURE CENTERED TO LEDS  
Light Source: (240) 5000K CCT, 80 CRI LEDs  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17577.4 lumens  
Efficiency: N/A  
Efficacy: 131.4 lumens/watt  
Spacing Criteria (0/90/45): 1.7 / 1.7 / 1.49  
Luminous Opening: Circular (Dia: 1.41' x H: 0')  
CIE Type: Direct

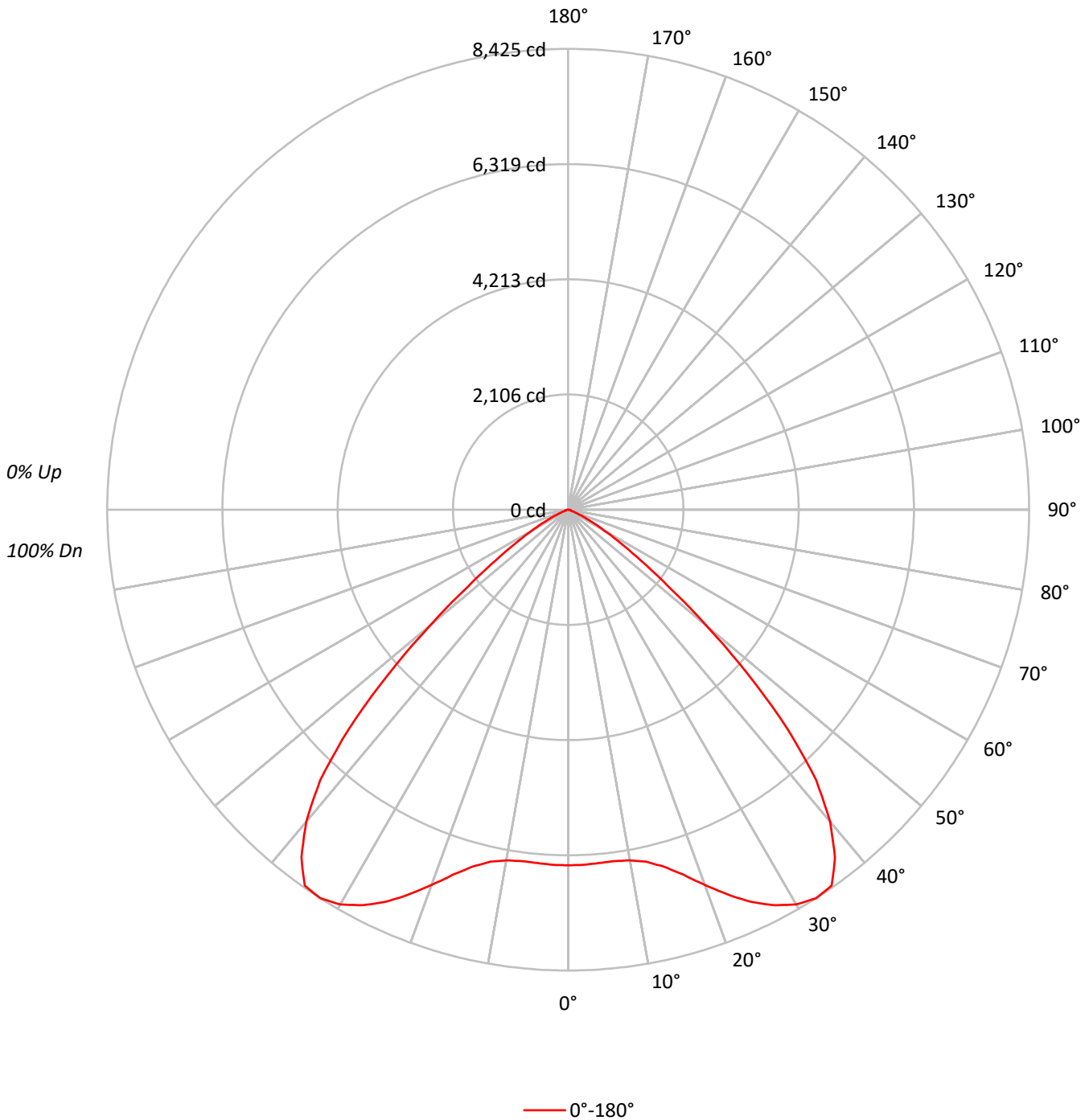
Input Watts (W): 133.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70
4	90	80	72	67	88	78	72	67	76	70	66	74	69	65	72	68	64	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55
6	77	66	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49
7	72	60	52	47	70	59	52	46	58	51	46	56	50	46	55	50	46	44
8	67	55	47	42	65	54	47	42	53	46	41	52	46	41	50	45	41	39
9	62	50	43	38	61	50	42	38	49	42	37	48	42	37	47	41	37	35
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32

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

	0°
0°	44811
5°	44860
10°	45562
15°	48201
20°	53536
25°	60183
30°	66321
35°	70620
40°	66979
45°	55299
50°	35277
55°	19370
60°	10485
65°	4924
70°	1548
75°	1207
80°	1250
85°	1337



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	619.5	3.5
10°-20°	1942.1	11.0
20°-30°	3658.6	20.8
30°-40°	5126.9	29.2
40°-50°	4254.8	24.2
50°-60°	1567.0	8.9
60°-70°	340.0	1.9
70°-80°	50.5	0.3
80°-90°	18.1	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°	6220.1	35.4
0°-40°	11347.1	64.6
0°-60°	17168.9	97.7
0°-90°	17577.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17577.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6500	
5°	6483	619
15°	6754	1942
25°	7912	3659
35°	8392	5127
45°	5672	4255
55°	1612	1567
65°	302	340
75°	45	51
85°	17	18
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6500.5
2.5°	6498.1
5°	6482.8
7.5°	6478.9
10°	6508.9
12.5°	6589.6
15°	6754.0
17.5°	6995.9
20°	7297.8
22.5°	7614.3
25°	7912.4
27.5°	8152.1
30°	8331.8
32.5°	8424.8
35°	8391.7
37.5°	8008.4
40°	7443.0
42.5°	6706.3
45°	5672.3
47.5°	4464.7
50°	3289.4
52.5°	2316.1
55°	1611.7
57.5°	1128.5
60°	760.5
62.5°	502.4
65°	301.9
67.5°	164.4
70°	76.8
72.5°	54.5
75°	45.3
77.5°	37.6
80°	31.5
82.5°	25.4
85°	16.9
87.5°	8.5
90°	0.0

(END OF REPORT)