

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: P219341

Luminaire Tested: **SSLED-LD5-18-N-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: P219341
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-L850-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) 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17598.3 lumens
Efficiency: N/A
Efficacy: 131.5 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

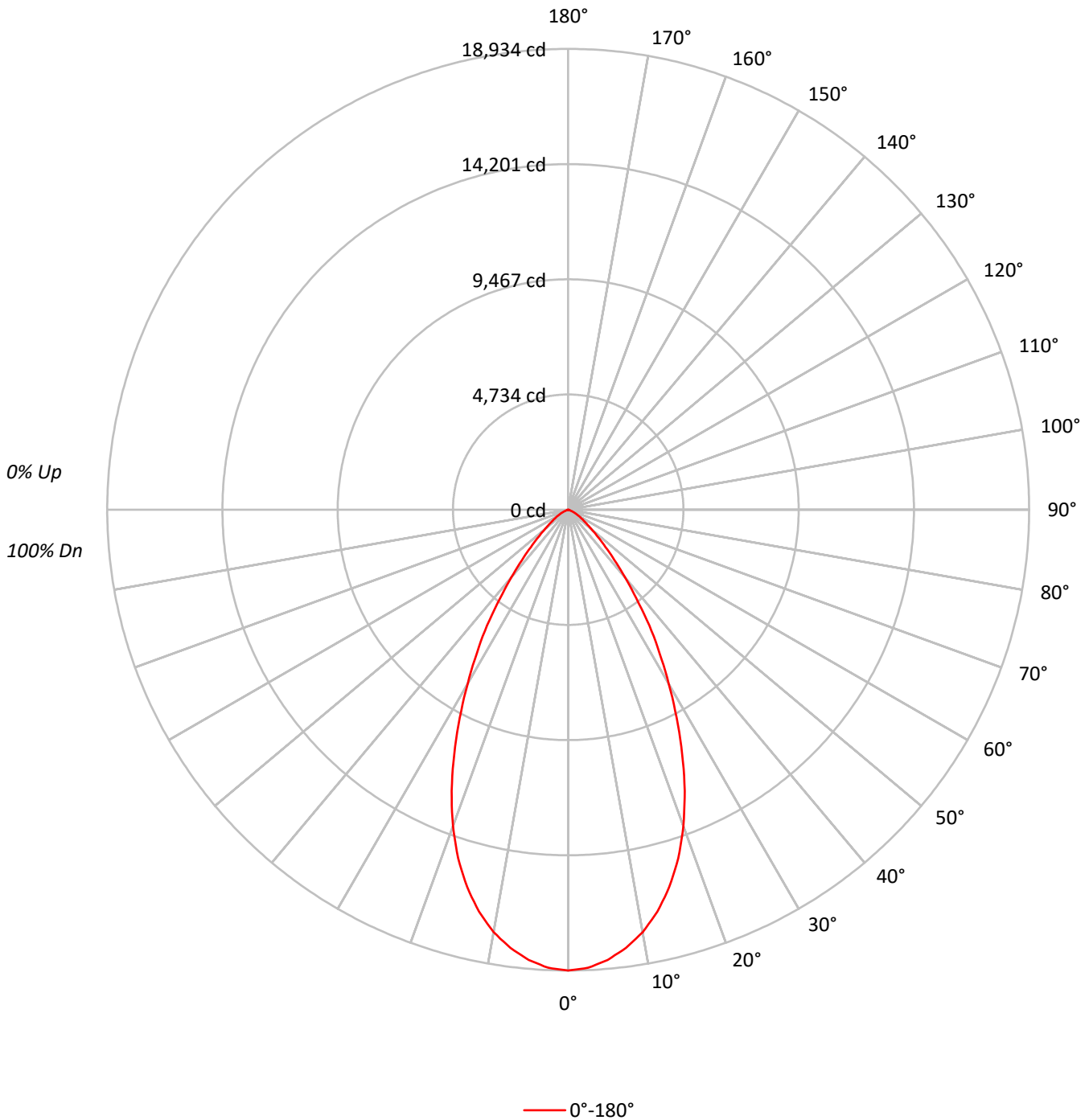
Input Watts (W): 133.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	130520
5°	128478
10°	123360
15°	114522
20°	101473
25°	84200
30°	65756
35°	48897
40°	32580
45°	21088
50°	13609
55°	9260
60°	6429
65°	4110
70°	1131
75°	738
80°	730
85°	1036



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1742.5	9.9
10°-20°	4460.2	25.3
20°-30°	5046.3	28.7
30°-40°	3604.6	20.5
40°-50°	1732.4	9.8
50°-60°	717.0	4.1
60°-70°	249.6	1.4
70°-80°	32.3	0.2
80°-90°	13.4	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°	11249.0	63.9
0°-40°	14853.7	84.4
0°-60°	17303.0	98.3
0°-90°	17598.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17598.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18934	
5°	18566	###
15°	16047	4460
25°	11070	5046
35°	5810	3605
45°	2163	1732
55°	770	717
65°	252	250
75°	28	32
85°	13	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	18933.7
2.5°	18840.7
5°	18566.5
7.5°	18161.7
10°	17623.2
12.5°	16914.2
15°	16046.9
17.5°	15020.7
20°	13832.3
22.5°	12509.5
25°	11070.0
27.5°	9642.8
30°	8260.8
32.5°	6982.6
35°	5810.4
37.5°	4585.2
40°	3620.4
42.5°	2813.8
45°	2163.1
47.5°	1653.9
50°	1269.0
52.5°	985.6
55°	770.5
57.5°	603.0
60°	466.3
62.5°	352.6
65°	252.0
67.5°	150.6
70°	56.1
72.5°	35.3
75°	27.7
77.5°	22.3
80°	18.4
82.5°	16.1
85°	13.1
87.5°	10.8
90°	0.0

(END OF REPORT)