

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: P219340

Luminaire Tested: **SSLED-LD5-18-N-UNV-L840-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: P219340
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-L840-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) 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17058.7 lumens
Efficiency: N/A
Efficacy: 127.5 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

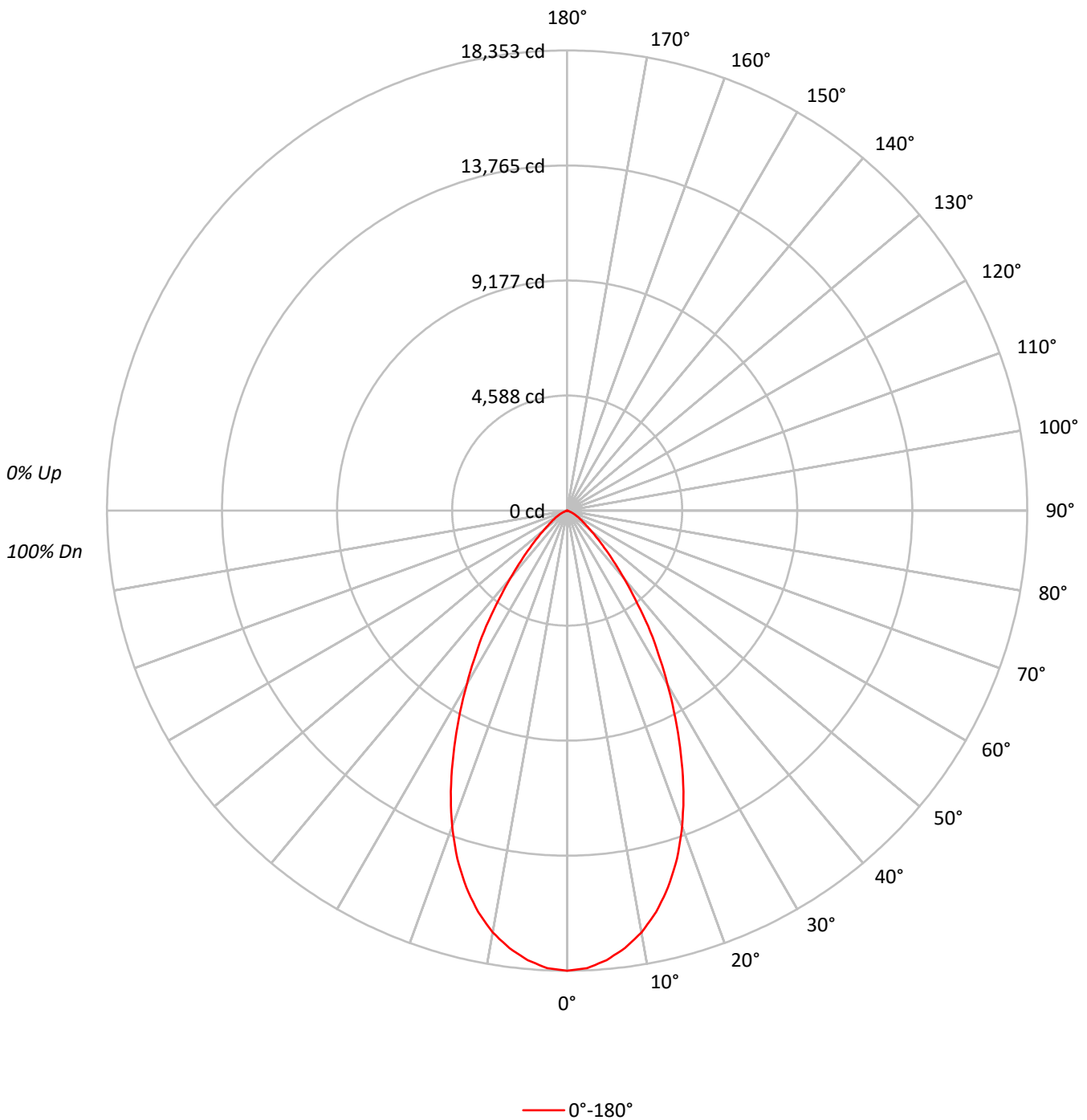
Input Watts (W): 133.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	126519
5°	124539
10°	119578
15°	111012
20°	98363
25°	81619
30°	63740
35°	47398
40°	31581
45°	20442
50°	13192
55°	8975
60°	6232
65°	3983
70°	1096
75°	714
80°	711
85°	1004



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1689.1	9.9
10°-20°	4323.5	25.3
20°-30°	4891.6	28.7
30°-40°	3494.1	20.5
40°-50°	1679.2	9.8
50°-60°	694.9	4.1
60°-70°	242.0	1.4
70°-80°	31.3	0.2
80°-90°	13.0	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°	10904.2	63.9
0°-40°	14398.3	84.4
0°-60°	16772.5	98.3
0°-90°	17058.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17058.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18353	
5°	17997	###
15°	15555	4323
25°	10731	4892
35°	5632	3494
45°	2097	1679
55°	747	695
65°	244	242
75°	27	31
85°	13	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	18353.3
2.5°	18263.2
5°	17997.3
7.5°	17604.9
10°	17082.9
12.5°	16395.7
15°	15555.0
17.5°	14560.2
20°	13408.3
22.5°	12126.0
25°	10730.6
27.5°	9347.1
30°	8007.6
32.5°	6768.5
35°	5632.3
37.5°	4444.6
40°	3509.4
42.5°	2727.5
45°	2096.8
47.5°	1603.2
50°	1230.1
52.5°	955.3
55°	746.8
57.5°	584.5
60°	452.0
62.5°	341.8
65°	244.2
67.5°	145.9
70°	54.4
72.5°	34.3
75°	26.8
77.5°	21.6
80°	17.9
82.5°	15.6
85°	12.7
87.5°	10.4
90°	0.0

(END OF REPORT)