

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: P219336

Luminaire Tested: **SSLED-LD5-15-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: P219336
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-LD5-15-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: 13576.8 lumens
Efficiency: N/A
Efficacy: 122.6 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

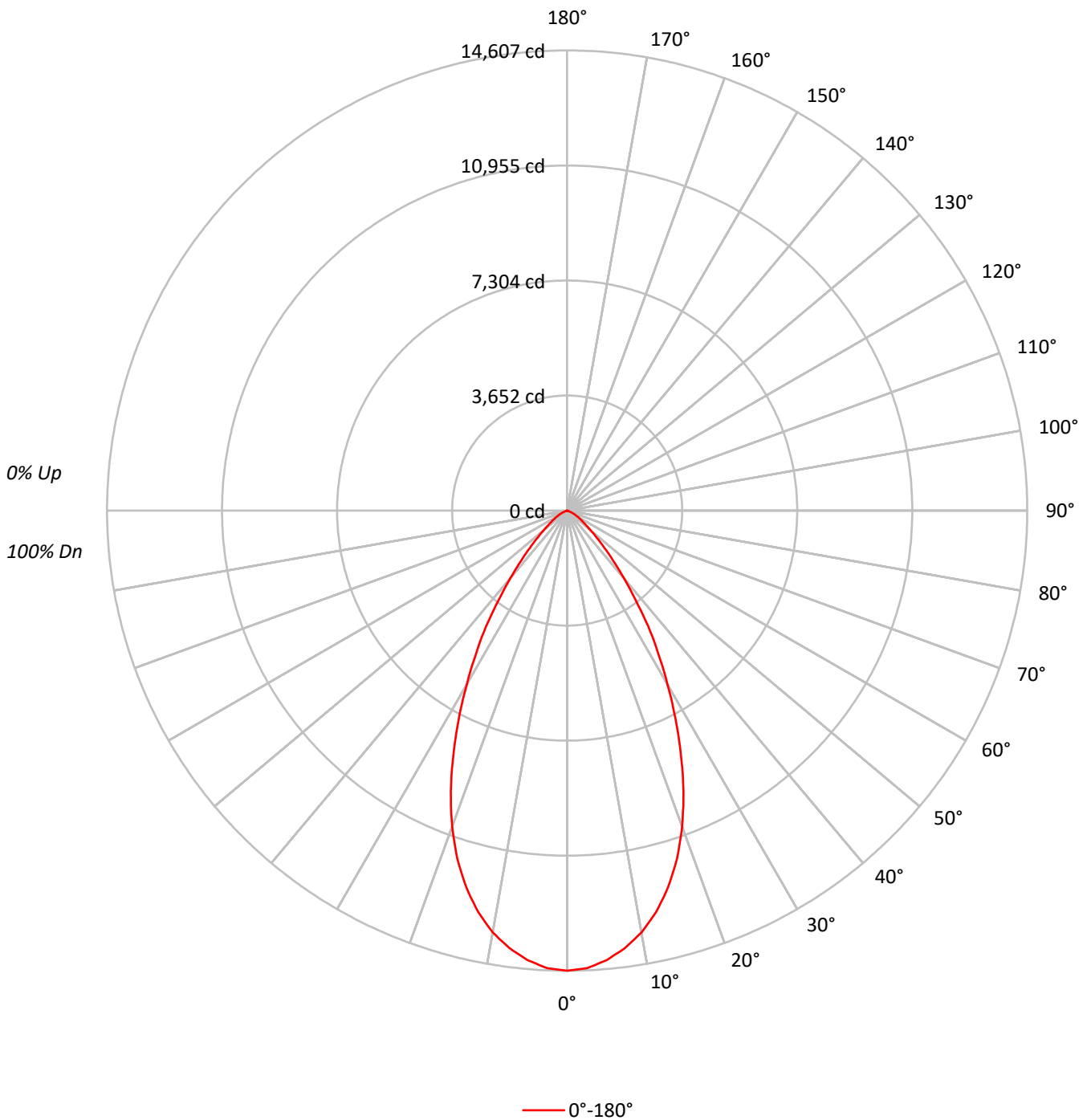
Input Watts (W): 110.74
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	100695
5°	99119
10°	95171
15°	88353
20°	78286
25°	64960
30°	50730
35°	37723
40°	25135
45°	16269
50°	10499
55°	7144
60°	4959
65°	3171
70°	873
75°	567
80°	564
85°	799



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1344.3	9.9
10°-20°	3441.0	25.3
20°-30°	3893.2	28.7
30°-40°	2780.9	20.5
40°-50°	1336.5	9.8
50°-60°	553.1	4.1
60°-70°	192.6	1.4
70°-80°	24.9	0.2
80°-90°	10.3	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°	8678.5	63.9
0°-40°	11459.4	84.4
0°-60°	13349.0	98.3
0°-90°	13576.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13576.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14607	
5°	14324	###
15°	12380	3441
25°	8540	3893
35°	4483	2781
45°	1669	1336
55°	594	553
65°	194	193
75°	21	25
85°	10	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14607.1
2.5°	14535.4
5°	14323.8
7.5°	14011.5
10°	13596.1
12.5°	13049.1
15°	12380.0
17.5°	11588.2
20°	10671.5
22.5°	9650.9
25°	8540.4
27.5°	7439.3
30°	6373.1
32.5°	5387.0
35°	4482.6
37.5°	3537.4
40°	2793.1
42.5°	2170.8
45°	1668.8
47.5°	1275.9
50°	979.0
52.5°	760.3
55°	594.4
57.5°	465.2
60°	359.7
62.5°	272.0
65°	194.4
67.5°	116.2
70°	43.3
72.5°	27.3
75°	21.3
77.5°	17.2
80°	14.2
82.5°	12.4
85°	10.1
87.5°	8.3
90°	0.0

(END OF REPORT)