

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: P219420

Luminaire Tested: **SSLED-LD5-15-W-UNV-L835-CD1-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: P219420
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27368)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SSLED-LD5-15-W-UNV-L835-CD1-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH WIDE DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND.
Light Source: (240) 3500K CCT, 80 CRI LEDs
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14442.7 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Spacing Criteria (0/90/45): 1.9 / 1.9 / 1.7
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

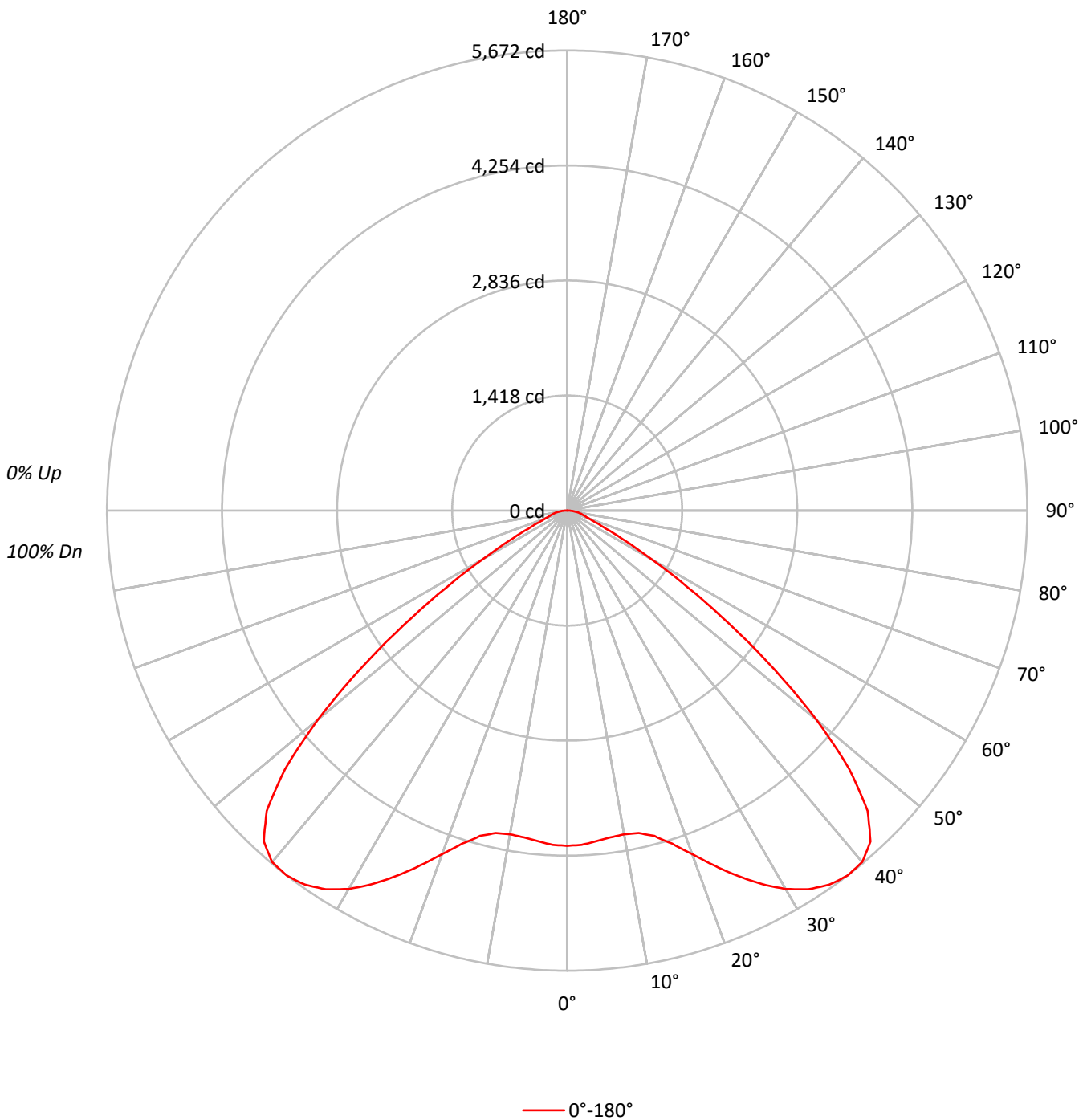
Input Watts (W): 110.74
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76
3	94	85	77	72	92	83	76	71	80	74	70	77	73	69	75	71	67	65
4	86	75	67	61	84	74	67	61	72	65	60	69	64	59	67	63	59	57
5	79	67	59	53	77	66	59	53	64	57	52	62	56	52	61	55	51	49
6	73	61	52	46	71	60	52	46	58	51	46	56	50	45	55	49	45	43
7	68	55	46	41	66	54	46	40	52	45	40	51	45	40	50	44	40	38
8	63	50	41	36	61	49	41	36	48	41	36	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	54	42	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	28483
5°	28322
10°	28354
15°	29632
20°	33063
25°	37779
30°	42872
35°	47385
40°	50909
45°	51057
50°	43029
55°	29431
60°	16611
65°	8622
70°	5650
75°	5226
80°	5411
85°	5394



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.2	2.7
10°-20°	1197.6	8.3
20°-30°	2307.5	16.0
30°-40°	3514.9	24.3
40°-50°	3917.8	27.1
50°-60°	2230.1	15.4
60°-70°	599.4	4.2
70°-80°	211.9	1.5
80°-90°	74.2	0.5
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°	3894.3	27.0
0°-40°	7409.2	51.3
0°-60°	13557.1	93.9
0°-90°	14442.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14442.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4132	
5°	4093	389
15°	4152	1198
25°	4967	2307
35°	5631	3515
45°	5237	3918
55°	2449	2230
65°	529	599
75°	196	212
85°	68	74
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4131.9
2.5°	4123.0
5°	4092.8
7.5°	4062.5
10°	4050.7
12.5°	4070.2
15°	4152.0
17.5°	4304.9
20°	4507.0
22.5°	4734.6
25°	4966.9
27.5°	5188.6
30°	5385.9
32.5°	5534.7
35°	5630.7
37.5°	5672.2
40°	5657.3
42.5°	5534.1
45°	5237.2
47.5°	4718.6
50°	4012.2
52.5°	3226.9
55°	2448.8
57.5°	1767.8
60°	1204.8
62.5°	798.9
65°	528.6
67.5°	368.6
70°	280.3
72.5°	229.9
75°	196.2
77.5°	168.9
80°	136.3
82.5°	100.7
85°	68.2
87.5°	35.6
90°	0.0

(END OF REPORT)