

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: P219400

Luminaire Tested: **SSLED-LD5-15-M-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: P219400
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27262)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SSLED-LD5-15-M-UNV-L840-CD1-SA23-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH MEDIUM 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: 14744.5 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.15
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

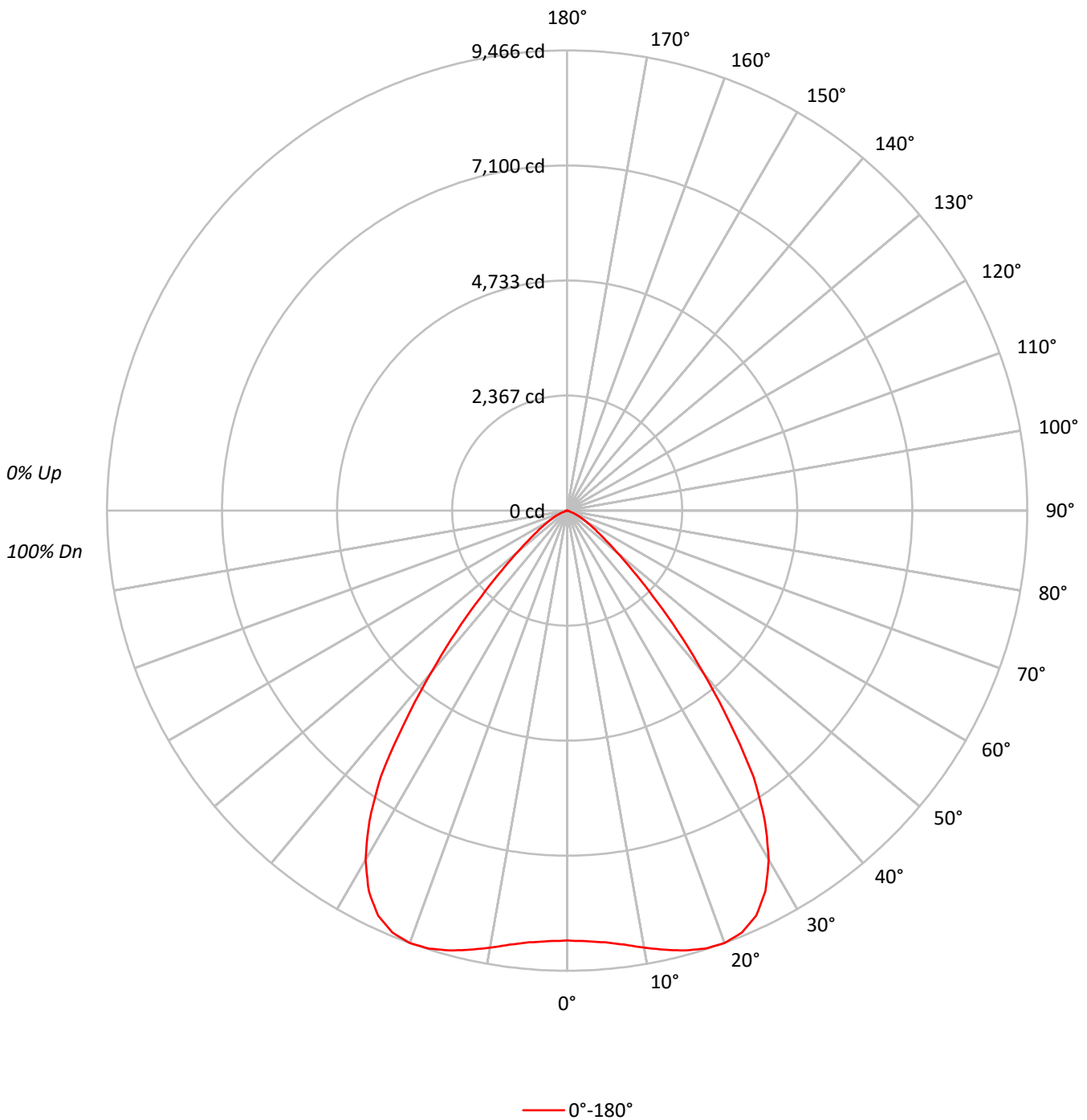
Input Watts (W): 110.74
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	92	104	98	94	91	95	92	88	92	89	87	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75
4	93	84	78	73	91	83	77	72	81	76	72	79	74	71	77	73	70	68
5	87	78	71	66	86	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	80	71	64	59	69	63	59	68	62	59	66	62	58	56
7	77	66	59	54	76	66	59	54	64	58	54	63	58	54	62	57	53	52
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	60957
5°	61685
10°	63898
15°	66848
20°	69444
25°	69958
30°	66002
35°	56247
40°	39077
45°	24402
50°	14329
55°	9066
60°	6135
65°	3898
70°	1086
75°	743
80°	754
85°	1004



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	857.8	5.8
10°-20°	2653.0	18.0
20°-30°	4185.5	28.4
30°-40°	4043.3	27.4
40°-50°	2007.4	13.6
50°-60°	714.9	4.8
60°-70°	238.0	1.6
70°-80°	32.2	0.2
80°-90°	12.4	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°	7696.3	52.2
0°-40°	11739.6	79.6
0°-60°	14461.9	98.1
0°-90°	14744.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14744.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8843	
5°	8914	858
15°	9367	2653
25°	9198	4185
35°	6684	4043
45°	2503	2007
55°	754	715
65°	239	238
75°	28	32
85°	13	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8842.6
2.5°	8865.4
5°	8914.2
7.5°	9005.5
10°	9128.5
12.5°	9252.1
15°	9366.8
17.5°	9446.6
20°	9466.3
22.5°	9395.3
25°	9197.5
27.5°	8833.1
30°	8291.8
32.5°	7573.7
35°	6683.8
37.5°	5485.2
40°	4342.4
42.5°	3368.8
45°	2503.0
47.5°	1823.5
50°	1336.1
52.5°	995.8
55°	754.3
57.5°	580.0
60°	445.0
62.5°	336.6
65°	239.0
67.5°	143.9
70°	53.9
72.5°	34.9
75°	27.9
77.5°	22.8
80°	19.0
82.5°	16.5
85°	12.7
87.5°	7.0
90°	0.0

(END OF REPORT)