

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: P219295

Luminaire Tested: **SSLED-LD5-15-N-UNV-L840-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: P219295
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27366)
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-L840-CD1-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH NARROW DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND.
Light Source: (240) 4000K CCT, 80 CRI LEDs
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15344.0 lumens
Efficiency: N/A
Efficacy: 138.6 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.84
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

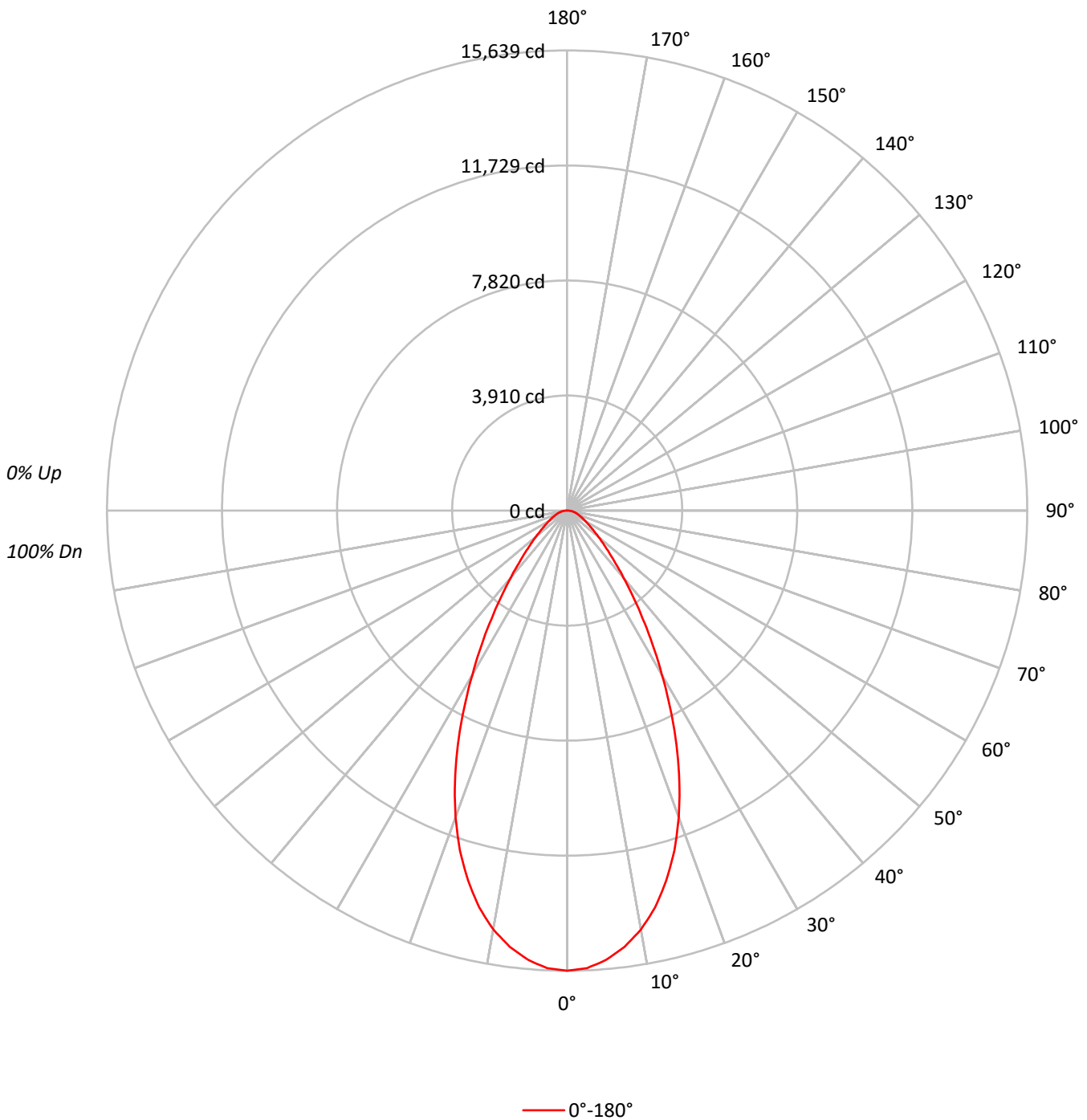
Input Watts (W): 110.74
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	95	90	103	98	93	89	94	91	87		91	88	86		88	86	84	82
3	99	91	85	81	97	90	84	80	87	83	79		85	81	77		82	79	76	75
4	93	84	78	73	91	83	77	72	81	76	72		79	74	71		77	73	70	68
5	88	78	71	66	86	77	71	66	75	70	65		73	69	65		72	68	64	63
6	83	73	66	61	81	72	65	61	70	65	60		69	64	60		67	63	59	58
7	78	68	61	56	77	67	61	56	66	60	56		65	59	56		63	59	55	54
8	74	64	57	52	73	63	57	52	62	56	52		61	55	52		60	55	51	50
9	70	60	53	49	69	59	53	49	58	52	48		57	52	48		56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45		54	49	45		53	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	107808
5°	106039
10°	101174
15°	92901
20°	81345
25°	66816
30°	51261
35°	37643
40°	26889
45°	19551
50°	14839
55°	11770
60°	9884
65°	8798
70°	8215
75°	8052
80°	8277
85°	9025



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1435.2	9.4
10°-20°	3616.3	23.6
20°-30°	3999.1	26.1
30°-40°	2823.8	18.4
40°-50°	1589.2	10.4
50°-60°	896.8	5.8
60°-70°	542.0	3.5
70°-80°	321.8	2.1
80°-90°	120.0	0.8
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°	9050.5	59.0
0°-40°	11874.3	77.4
0°-60°	14360.3	93.6
0°-90°	15344.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15344.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15639	
5°	15324	###
15°	13017	3616
25°	8784	3999
35°	4473	2824
45°	2006	1589
55°	979	897
65°	539	542
75°	302	322
85°	114	120
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15639.0
2.5°	15563.5
5°	15323.9
7.5°	14953.1
10°	14453.7
12.5°	13812.2
15°	13017.4
17.5°	12116.0
20°	11088.6
22.5°	9968.6
25°	8784.5
27.5°	7591.0
30°	6439.9
32.5°	5402.9
35°	4473.1
37.5°	3660.5
40°	2988.0
42.5°	2442.2
45°	2005.5
47.5°	1661.3
50°	1383.7
52.5°	1159.3
55°	979.3
57.5°	834.8
60°	716.9
62.5°	620.5
65°	539.4
67.5°	469.7
70°	407.6
72.5°	353.1
75°	302.3
77.5°	256.1
80°	208.5
82.5°	161.6
85°	114.1
87.5°	60.8
90°	0.0

(END OF REPORT)