

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: P219331

Luminaire Tested: **SSLED-LD5-9-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: P219331
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-LD5-9-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: 8784.0 lumens
Efficiency: N/A
Efficacy: 137.0 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

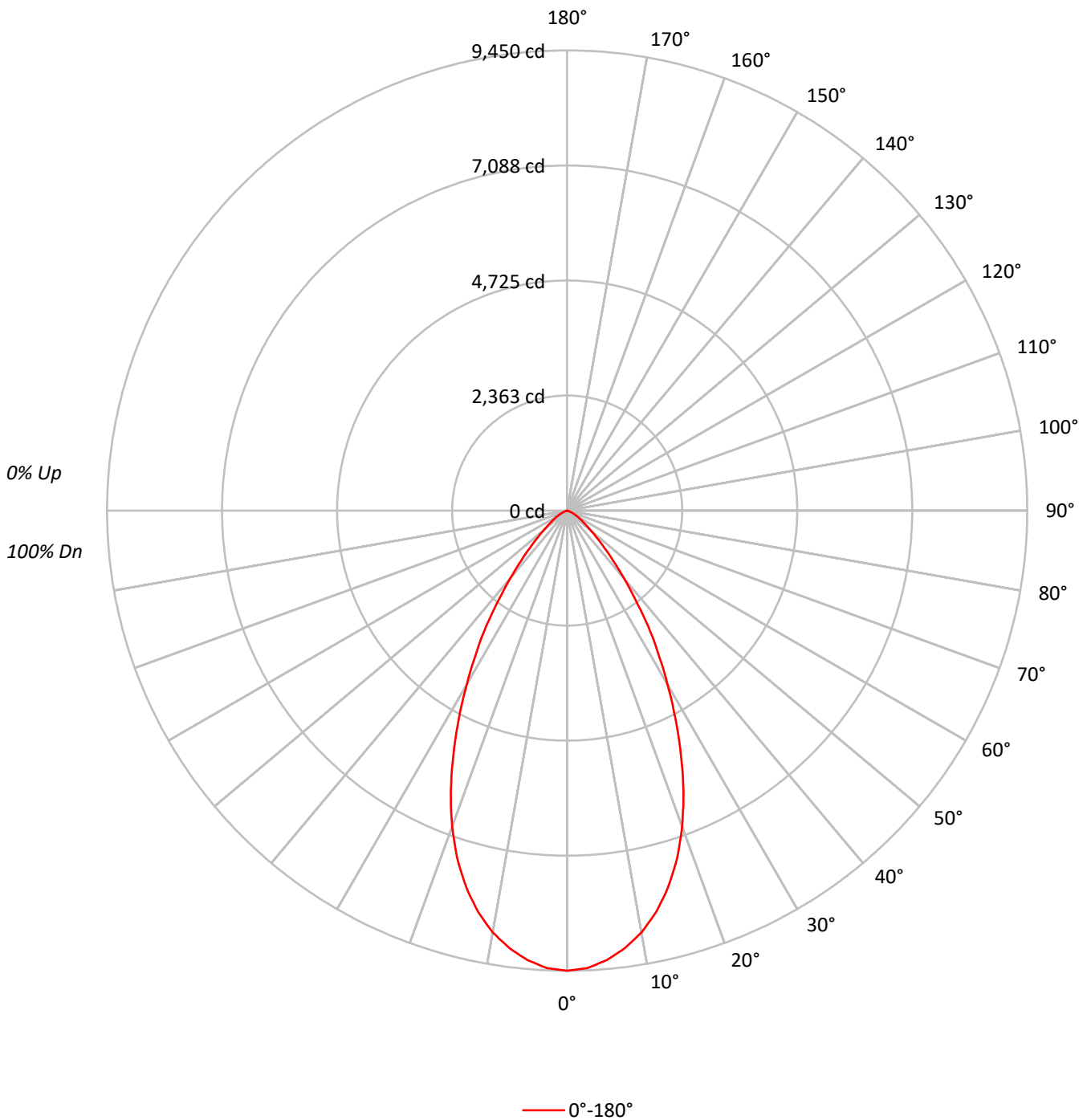
Input Watts (W): 64.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	65147
5°	64128
10°	61574
15°	57162
20°	50649
25°	42027
30°	32821
35°	24407
40°	16262
45°	10526
50°	6793
55°	4622
60°	3208
65°	2052
70°	564
75°	368
80°	365
85°	514



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	869.7	9.9
10°-20°	2226.3	25.3
20°-30°	2518.8	28.7
30°-40°	1799.2	20.5
40°-50°	864.7	9.8
50°-60°	357.9	4.1
60°-70°	124.6	1.4
70°-80°	16.1	0.2
80°-90°	6.7	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°	5614.8	63.9
0°-40°	7414.0	84.4
0°-60°	8636.6	98.3
0°-90°	8784.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8784.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9450	
5°	9267	870
15°	8010	2226
25°	5525	2519
35°	2900	1799
45°	1080	865
55°	385	358
65°	126	125
75°	14	16
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9450.5
2.5°	9404.1
5°	9267.2
7.5°	9065.2
10°	8796.4
12.5°	8442.5
15°	8009.6
17.5°	7497.4
20°	6904.2
22.5°	6244.0
25°	5525.4
27.5°	4813.1
30°	4123.3
32.5°	3485.3
35°	2900.2
37.5°	2288.6
40°	1807.1
42.5°	1404.5
45°	1079.7
47.5°	825.5
50°	633.4
52.5°	491.9
55°	384.6
57.5°	301.0
60°	232.7
62.5°	176.0
65°	125.8
67.5°	75.2
70°	28.0
72.5°	17.6
75°	13.8
77.5°	11.1
80°	9.2
82.5°	8.1
85°	6.5
87.5°	5.4
90°	0.0

(END OF REPORT)