

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: P219289

Luminaire Tested: **SSLED-LD5-9-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: P219289  
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-LD5-9-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: 9282.0 lumens  
Efficiency: N/A  
Efficacy: 144.8 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

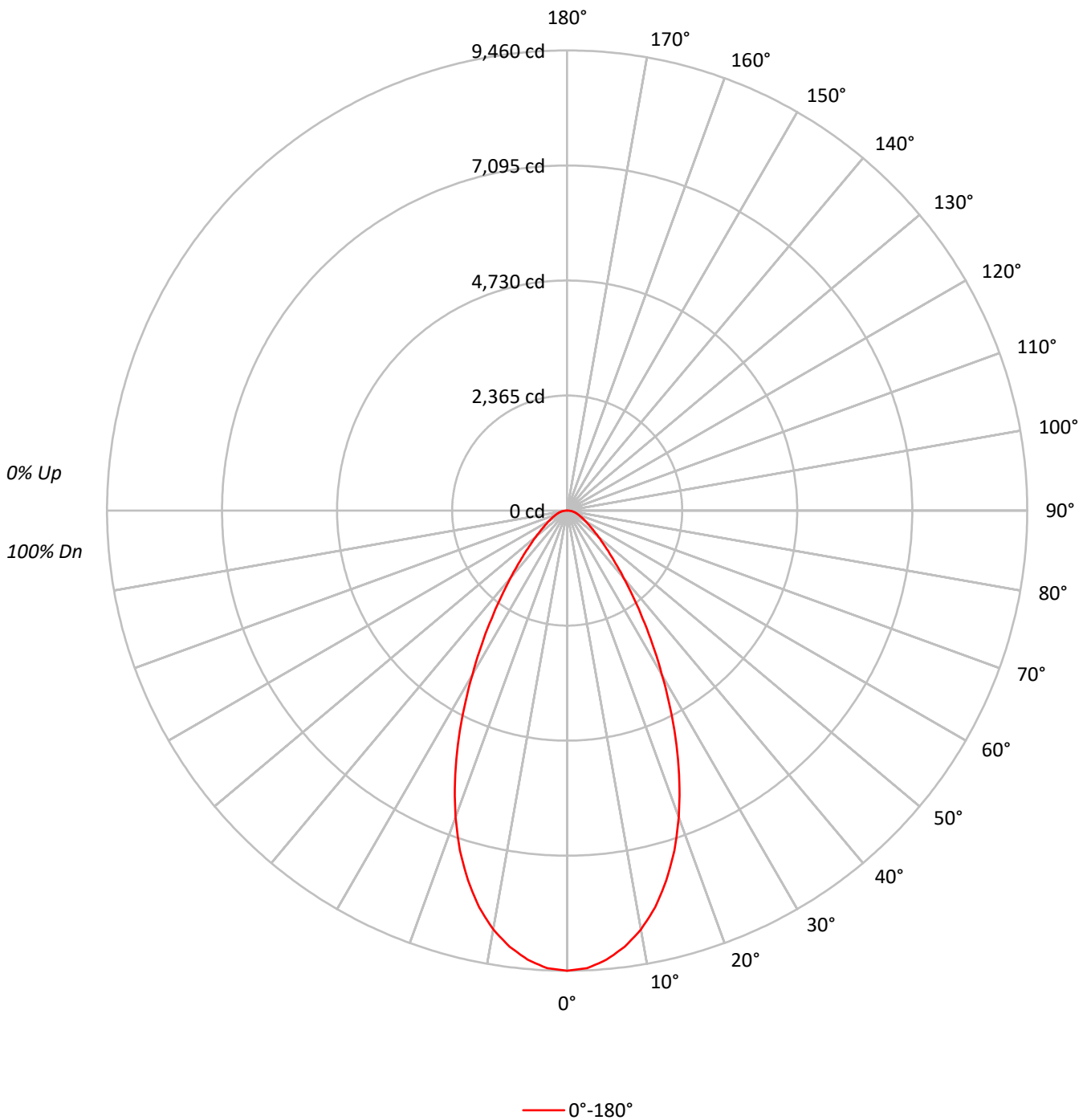
Input Watts (W): 64.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	65216
5°	64147
10°	61203
15°	56199
20°	49208
25°	40419
30°	31010
35°	22771
40°	16265
45°	11827
50°	8976
55°	7120
60°	5979
65°	5322
70°	4968
75°	4871
80°	5006
85°	5458



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	868.2	9.4
10°-20°	2187.6	23.6
20°-30°	2419.1	26.1
30°-40°	1708.2	18.4
40°-50°	961.3	10.4
50°-60°	542.5	5.8
60°-70°	327.9	3.5
70°-80°	194.6	2.1
80°-90°	72.6	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°	5474.9	59.0
0°-40°	7183.1	77.4
0°-60°	8686.9	93.6
0°-90°	9282.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9282.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9460	
5°	9270	868
15°	7875	2188
25°	5314	2419
35°	2706	1708
45°	1213	961
55°	592	543
65°	326	328
75°	183	195
85°	69	73
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	9460.4
2.5°	9414.8
5°	9269.9
7.5°	9045.6
10°	8743.4
12.5°	8355.4
15°	7874.6
17.5°	7329.3
20°	6707.8
22.5°	6030.2
25°	5314.0
27.5°	4592.0
30°	3895.7
32.5°	3268.4
35°	2705.9
37.5°	2214.3
40°	1807.5
42.5°	1477.4
45°	1213.2
47.5°	1005.0
50°	837.0
52.5°	701.3
55°	592.4
57.5°	505.0
60°	433.7
62.5°	375.4
65°	326.3
67.5°	284.1
70°	246.5
72.5°	213.6
75°	182.9
77.5°	154.9
80°	126.1
82.5°	97.8
85°	69.0
87.5°	36.8
90°	0.0

(END OF REPORT)