

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: P219352

Luminaire Tested: **SSLED-LD5-9-M-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: P219352  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27367)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: SSLED-LD5-9-M-UNV-L840-CD1-U  
Description: METALUX ROUND HIGH BAY STEELER LED WITH MEDIUM 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: 9444.2 lumens  
Efficiency: N/A  
Efficacy: 147.3 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.2  
Luminous Opening: Circular (Dia: 1.41' x H: 0')  
CIE Type: Direct

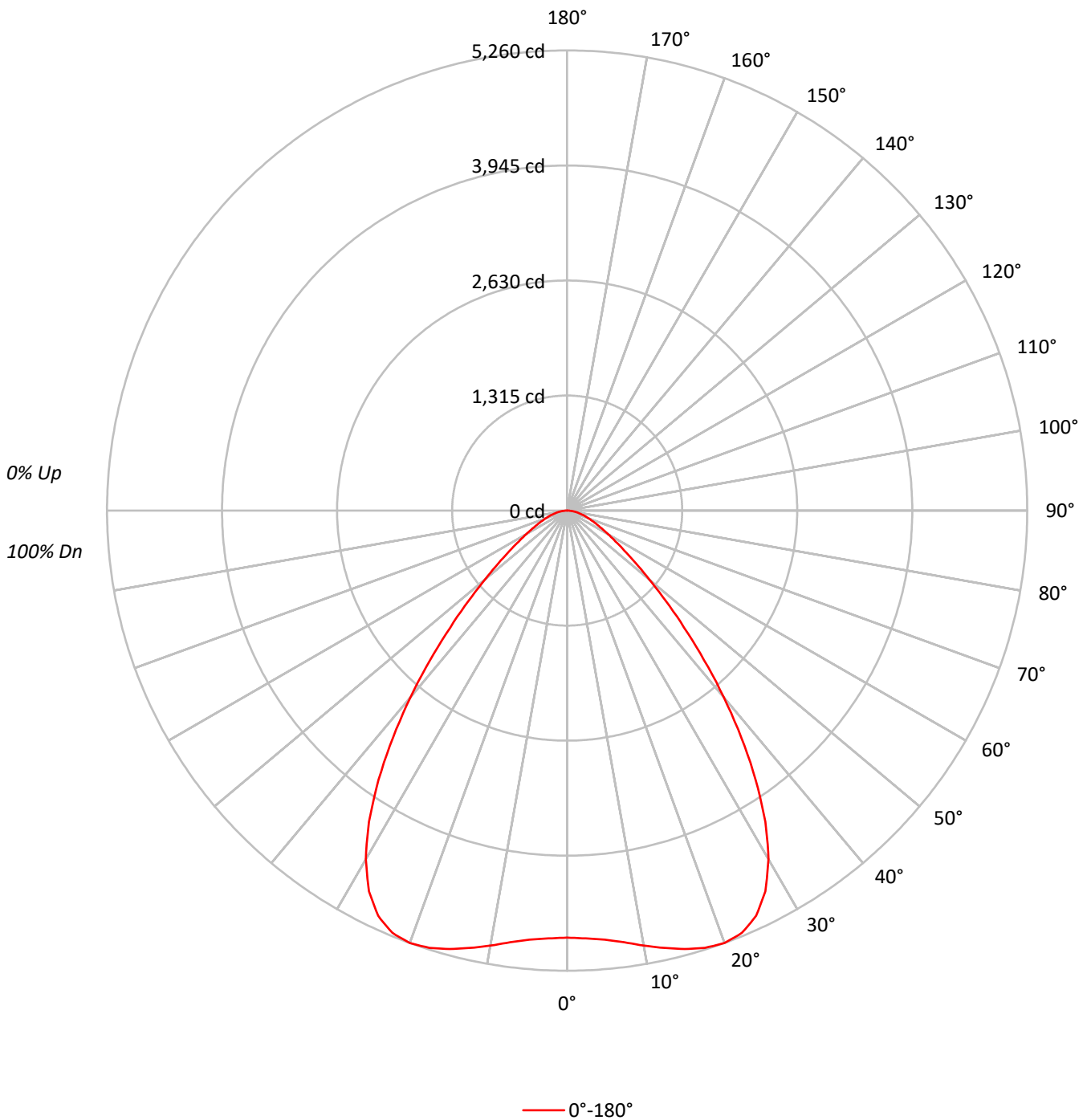
Input Watts (W): 64.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	89
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		86	84	81	79
3	97	88	82	77	95	87	81	76	84	79	75		82	77	74		79	76	73	71
4	90	81	73	68	88	79	73	68	77	71	67		75	70	66		73	69	65	63
5	84	74	66	61	82	73	66	60	71	64	60		69	63	59		67	62	59	57
6	79	67	60	55	77	67	60	54	65	59	54		63	58	54		62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49		59	53	49		57	52	48	47
8	69	57	50	45	68	57	50	45	56	49	45		54	49	44		53	48	44	43
9	65	53	46	41	64	53	46	41	52	45	41		51	45	41		50	44	41	39
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46	41	37	36

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	33645
5°	34070
10°	35339
15°	37029
20°	38586
25°	38881
30°	36640
35°	31628
40°	25053
45°	18417
50°	13137
55°	9608
60°	7444
65°	6117
70°	5279
75°	4749
80°	4414
85°	4152



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	474.0	5.0
10°-20°	1470.5	15.6
20°-30°	2325.6	24.6
30°-40°	2323.3	24.6
40°-50°	1481.3	15.7
50°-60°	739.4	7.8
60°-70°	380.0	4.0
70°-80°	191.4	2.0
80°-90°	58.6	0.6
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°	4270.0	45.2
0°-40°	6593.4	69.8
0°-60°	8814.1	93.3
0°-90°	9444.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9444.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4881	
5°	4924	474
15°	5188	1470
25°	5112	2326
35°	3758	2323
45°	1889	1481
55°	799	739
65°	375	380
75°	178	191
85°	52	59
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4880.6
2.5°	4894.4
5°	4923.5
7.5°	4975.7
10°	5048.5
12.5°	5120.6
15°	5188.5
17.5°	5241.0
20°	5259.8
22.5°	5224.5
25°	5111.8
27.5°	4905.5
30°	4603.0
32.5°	4216.1
35°	3758.3
37.5°	3269.8
40°	2784.0
42.5°	2317.0
45°	1889.1
47.5°	1526.0
50°	1225.0
52.5°	986.2
55°	799.4
57.5°	654.5
60°	539.9
62.5°	448.6
65°	375.0
67.5°	314.0
70°	261.9
72.5°	217.0
75°	178.3
77.5°	144.2
80°	111.2
82.5°	81.3
85°	52.5
87.5°	26.1
90°	0.0

(END OF REPORT)