

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: P219435

Luminaire Tested: **SSLED-LD5-9-W-UNV-L835-CD1-UPL-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: P219435  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27260)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: SSLED-LD5-9-W-UNV-L835-CD1-UPL-U  
Description: METALUX ROUND HIGH BAY STEELER LED WITH WIDE DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND. UPLIGHT REFLECTOR ACCESSORY INSTALLED. FIXTURE CENTERED TO LEDS  
Light Source: (240) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7736.9 lumens  
Efficiency: N/A  
Efficacy: 120.7 lumens/watt  
Spacing Criteria (0/90/45): 1.87 / 1.87 / 1.66  
Luminous Opening: Circular (Dia: 1.41' x H: 0')  
CIE Type: Direct

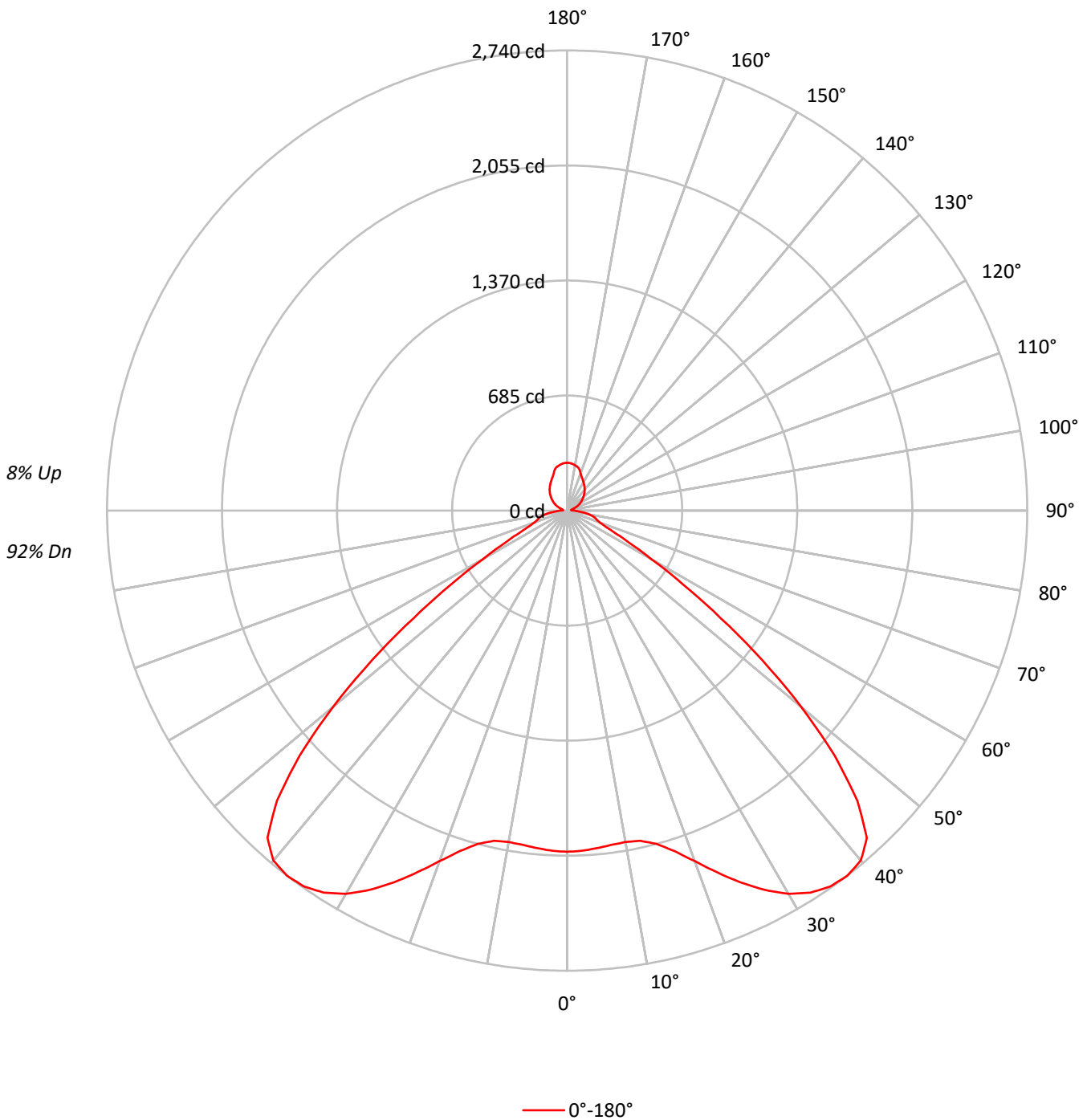
Input Watts (W): 64.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	117	117	117	117	113	113	113	113	106	106	106		100	100	100		94	94	94	92
1	108	104	100	97	105	101	98	95	95	93	90		90	88	86		85	84	82	80
2	100	92	86	81	96	90	84	80	85	80	77		81	77	74		76	73	71	68
3	91	82	75	69	88	80	73	68	76	70	65		72	67	63		68	65	61	59
4	84	73	65	59	81	71	64	58	68	61	56		64	59	55		61	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49		58	52	48		55	50	46	44
6	71	59	50	44	69	57	50	44	55	48	43		52	46	42		50	45	41	39
7	66	53	45	39	64	52	44	39	50	43	38		48	41	37		46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33		43	37	33		42	36	32	30
9	57	44	36	31	55	43	36	30	41	35	30		40	34	29		38	33	29	27
10	53	40	33	28	51	39	32	27	38	31	27		36	30	26		35	30	26	24

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

	0°
0°	14002
5°	13964
10°	14028
15°	14657
20°	16292
25°	18575
30°	20975
35°	22989
40°	24480
45°	23815
50°	19551
55°	13421
60°	7987
65°	5088
70°	4162
75°	4632
80°	5264
85°	5845



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	192.1	2.5
10°-20°	591.7	7.6
20°-30°	1133.6	14.7
30°-40°	1704.6	22.0
40°-50°	1832.8	23.7
50°-60°	1021.2	13.2
60°-70°	336.9	4.4
70°-80°	181.7	2.3
80°-90°	87.5	1.1
90°-100°	29.2	0.4
100°-110°	38.0	0.5
110°-120°	70.4	0.9
120°-130°	96.5	1.2
130°-140°	111.5	1.4
140°-150°	111.7	1.4
150°-160°	98.0	1.3
160°-170°	72.9	0.9
170°-180°	26.6	0.3
0°-30°	1917.4	24.8
0°-40°	3622.0	46.8
0°-60°	6476.1	83.7
0°-90°	7082.1	91.5
90°-120°	137.5	1.8
90°-150°	457.2	5.9
90°-180°	655.0	8.5
0°-180°	7736.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2031	
5°	2018	192
15°	2054	592
25°	2442	1134
35°	2732	1705
45°	2443	1833
55°	1117	1021
65°	312	337
75°	174	182
85°	74	75
90°	39	21
95°	24	21
105°	34	38
115°	72	70
125°	108	96
135°	145	111
145°	178	112
155°	212	98
165°	263	73
175°	282	27
180°	284	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2031.2
2.5°	2028.0
5°	2018.0
7.5°	2007.9
10°	2004.0
12.5°	2014.0
15°	2053.8
17.5°	2125.2
20°	2220.9
22.5°	2330.2
25°	2442.1
27.5°	2546.4
30°	2635.0
32.5°	2697.3
35°	2731.8
37.5°	2740.4
40°	2720.3
42.5°	2641.4
45°	2442.8
47.5°	2160.7
50°	1823.0
52.5°	1463.7
55°	1116.7
57.5°	819.9
60°	579.3
62.5°	418.0
65°	311.9
67.5°	244.1
70°	206.5
72.5°	187.1
75°	173.9
77.5°	157.4
80°	132.6
82.5°	107.2
85°	73.9
87.5°	54.5
90°	38.7
92.5°	24.4
95°	24.4
97.5°	25.1
100°	27.2
102.5°	30.1
105°	34.4
107.5°	40.5
110°	50.5



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	62.0
115°	72.1
117.5°	80.7
120°	89.3
122.5°	98.9
125°	107.9
127.5°	116.9
130°	126.2
132.5°	135.5
135°	144.8
137.5°	153.4
140°	162.0
142.5°	170.3
145°	178.5
147.5°	186.4
150°	195.0
152.5°	203.3
155°	211.9
157.5°	221.6
160°	234.5
162.5°	250.9
165°	263.1
167.5°	268.9
170°	273.2
172.5°	278.2
175°	282.1
177.5°	283.9
180°	284.3

(END OF REPORT)