

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: P219312

Luminaire Tested: **SSLED-LD5-12-N-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: P219312  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27258)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: SSLED-LD5-12-N-UNV-L835-CD1-UPL-U  
Description: METALUX ROUND HIGH BAY STEELER LED WITH NARROW 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: 10003.4 lumens  
Efficiency: N/A  
Efficacy: 117.3 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

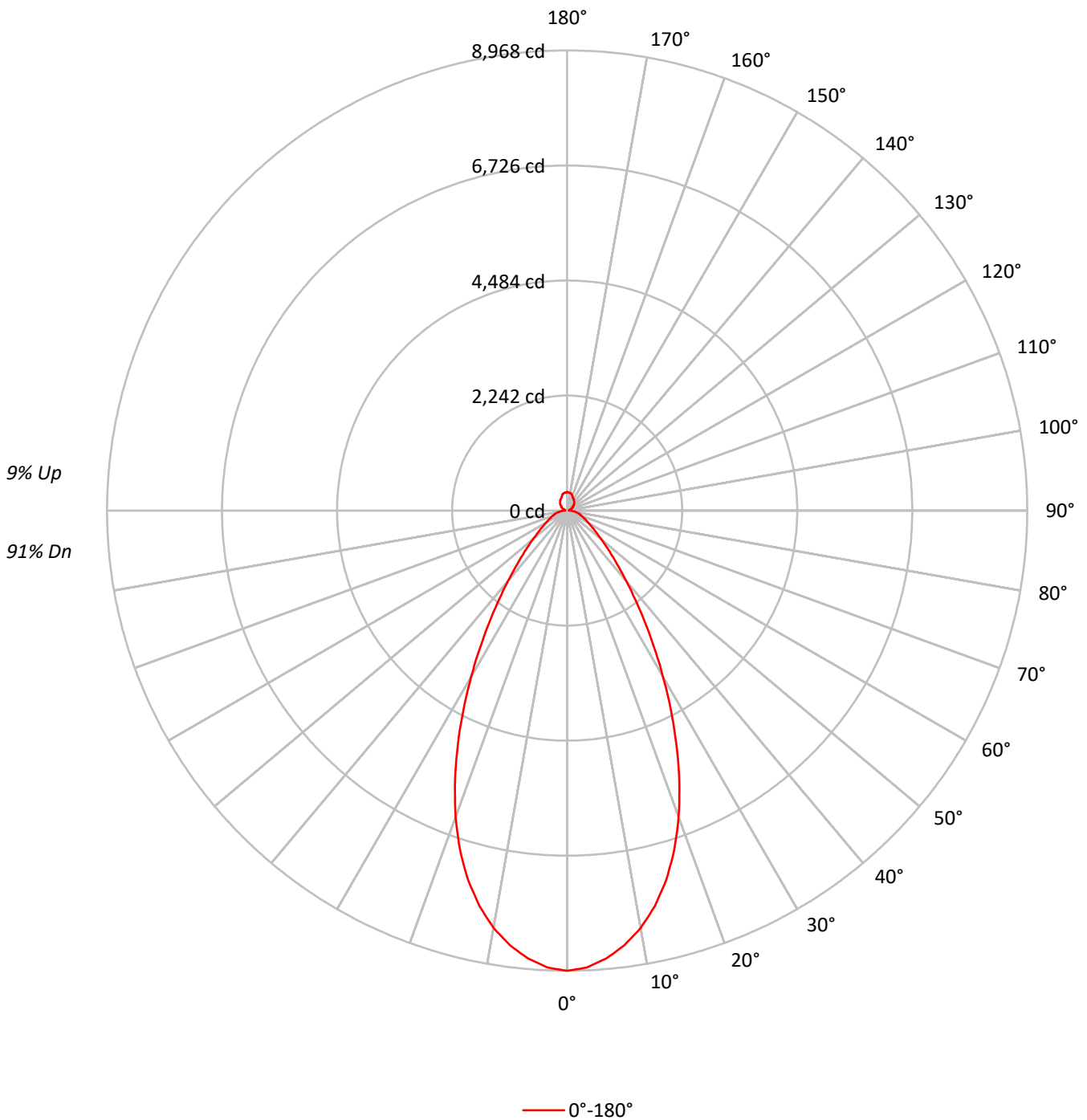
Input Watts (W): 85.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	91
1	109	106	103	100	106	103	100	97	97	95	93	92	90	88	87	86	84	82
2	102	96	91	87	99	94	89	85	89	85	82	85	82	79	80	78	76	74
3	96	88	82	77	93	86	80	76	82	77	73	78	74	71	75	72	69	67
4	90	81	74	69	87	79	73	68	76	70	66	72	68	64	69	66	63	61
5	84	74	67	62	82	73	66	62	70	65	60	67	63	59	65	61	58	56
6	79	69	62	57	77	68	61	56	65	60	55	63	58	54	61	56	53	51
7	75	64	57	52	73	63	57	52	61	55	51	59	54	50	57	53	49	48
8	71	60	53	48	69	59	53	48	57	51	47	55	50	47	54	49	46	44
9	67	56	49	45	65	55	49	45	54	48	44	52	47	43	51	46	43	41
10	64	53	46	42	62	52	46	42	51	45	41	49	44	41	48	43	40	39

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

	0°
0°	61820
5°	60624
10°	57804
15°	53195
20°	46610
25°	38353
30°	29736
35°	22051
40°	16060
45°	11997
50°	9265
55°	7579
60°	6618
65°	6099
70°	5984
75°	6392
80°	7042
85°	7941



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	820.4	8.2
10°-20°	2069.4	20.7
20°-30°	2298.6	23.0
30°-40°	1655.3	16.5
40°-50°	970.2	9.7
50°-60°	576.2	5.8
60°-70°	375.5	3.8
70°-80°	252.2	2.5
80°-90°	118.8	1.2
90°-100°	42.0	0.4
100°-110°	52.4	0.5
110°-120°	95.2	1.0
120°-130°	129.0	1.3
130°-140°	149.0	1.5
140°-150°	147.4	1.5
150°-160°	126.0	1.3
160°-170°	92.3	0.9
170°-180°	33.6	0.3
0°-30°	5188.4	51.9
0°-40°	6843.7	68.4
0°-60°	8390.1	83.9
0°-90°	9136.5	91.3
90°-120°	189.5	1.9
90°-150°	615.0	6.1
90°-180°	867.0	8.7
0°-180°	10003.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8968	
5°	8761	820
15°	7454	2069
25°	5042	2299
35°	2620	1655
45°	1231	970
55°	631	576
65°	374	375
75°	240	252
85°	100	101
90°	54	30
95°	35	30
105°	47	52
115°	97	95
125°	144	129
135°	193	149
145°	236	147
155°	272	126
165°	333	92
175°	355	34
180°	359	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8967.8
2.5°	8912.3
5°	8760.8
7.5°	8543.3
10°	8257.8
12.5°	7891.2
15°	7453.7
17.5°	6938.8
20°	6353.7
22.5°	5712.6
25°	5042.3
27.5°	4373.5
30°	3735.7
32.5°	3148.1
35°	2620.3
37.5°	2163.8
40°	1784.7
42.5°	1477.3
45°	1230.6
47.5°	1028.8
50°	863.9
52.5°	732.9
55°	630.6
57.5°	547.9
60°	480.0
62.5°	422.6
65°	373.9
67.5°	332.7
70°	296.9
72.5°	267.7
75°	240.0
77.5°	210.4
80°	177.4
82.5°	143.9
85°	100.4
87.5°	76.0
90°	54.5
92.5°	34.9
95°	35.4
97.5°	36.8
100°	39.2
102.5°	42.1
105°	46.9
107.5°	55.5
110°	68.8



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	84.1
115°	97.0
117.5°	109.0
120°	120.5
122.5°	131.9
125°	143.9
127.5°	156.3
130°	169.7
132.5°	181.7
135°	193.1
137.5°	204.6
140°	215.6
142.5°	226.1
145°	235.7
147.5°	245.3
150°	253.9
152.5°	262.5
155°	272.0
157.5°	283.5
160°	298.3
162.5°	317.4
165°	332.7
167.5°	339.4
170°	345.2
172.5°	350.4
175°	355.2
177.5°	357.6
180°	359.0

(END OF REPORT)