

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: P219315

Luminaire Tested: **SSLED-LD5-15-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: P219315  
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-LD5-15-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: 12400.4 lumens  
Efficiency: N/A  
Efficacy: 112.0 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

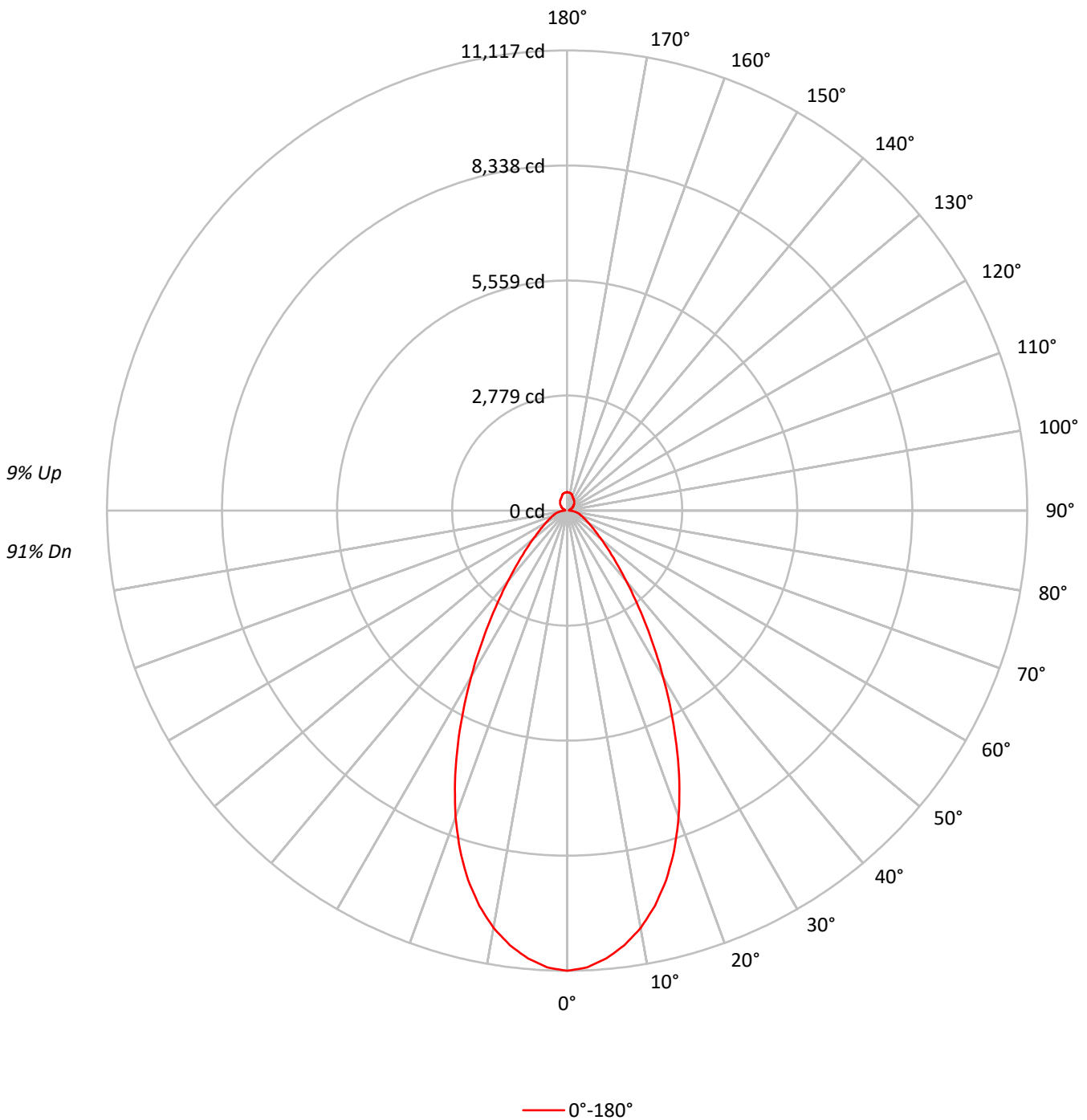
Input Watts (W): 110.74  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	76633
5°	75150
10°	71655
15°	65942
20°	57779
25°	47542
30°	36861
35°	27335
40°	19908
45°	14871
50°	11485
55°	9395
60°	8203
65°	7559
70°	7417
75°	7924
80°	8730
85°	9847



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1017.0	8.2
10°-20°	2565.3	20.7
20°-30°	2849.3	23.0
30°-40°	2051.9	16.5
40°-50°	1202.7	9.7
50°-60°	714.2	5.8
60°-70°	465.4	3.8
70°-80°	312.6	2.5
80°-90°	147.3	1.2
90°-100°	52.1	0.4
100°-110°	64.9	0.5
110°-120°	118.0	1.0
120°-130°	160.0	1.3
130°-140°	184.7	1.5
140°-150°	182.8	1.5
150°-160°	156.2	1.3
160°-170°	114.4	0.9
170°-180°	41.6	0.3
0°-30°	6431.7	51.9
0°-40°	8483.5	68.4
0°-60°	10400.4	83.9
0°-90°	11325.8	91.3
90°-120°	235.0	1.9
90°-150°	762.4	6.1
90°-180°	1075.0	8.7
0°-180°	12400.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11117	
5°	10860	###
15°	9240	2565
25°	6250	2849
35°	3248	2052
45°	1525	1203
55°	782	714
65°	463	465
75°	298	313
85°	124	125
90°	68	37
95°	44	37
105°	58	65
115°	120	118
125°	178	160
135°	239	185
145°	292	183
155°	337	156
165°	412	114
175°	440	42
180°	445	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11116.6
2.5°	11047.9
5°	10860.0
7.5°	10590.4
10°	10236.6
12.5°	9782.0
15°	9239.8
17.5°	8601.5
20°	7876.1
22.5°	7081.4
25°	6250.5
27.5°	5421.4
30°	4630.8
32.5°	3902.5
35°	3248.2
37.5°	2682.3
40°	2212.3
42.5°	1831.2
45°	1525.4
47.5°	1275.3
50°	1070.9
52.5°	908.5
55°	781.7
57.5°	679.2
60°	595.0
62.5°	523.9
65°	463.4
67.5°	412.5
70°	368.0
72.5°	331.9
75°	297.5
77.5°	260.8
80°	219.9
82.5°	178.4
85°	124.5
87.5°	94.2
90°	67.6
92.5°	43.3
95°	43.9
97.5°	45.6
100°	48.6
102.5°	52.2
105°	58.1
107.5°	68.7
110°	85.3



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	104.3
115°	120.3
117.5°	135.1
120°	149.3
122.5°	163.6
125°	178.4
127.5°	193.8
130°	210.4
132.5°	225.2
135°	239.4
137.5°	253.6
140°	267.3
142.5°	280.3
145°	292.2
147.5°	304.0
150°	314.7
152.5°	325.4
155°	337.2
157.5°	351.4
160°	369.8
162.5°	393.5
165°	412.5
167.5°	420.8
170°	427.9
172.5°	434.4
175°	440.3
177.5°	443.3
180°	445.1

(END OF REPORT)