

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: P219357

Luminaire Tested: **SSLED-LD5-15-M-UNV-L835-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: P219357  
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-LD5-15-M-UNV-L835-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) 3500K CCT, 80 CRI LEDs  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

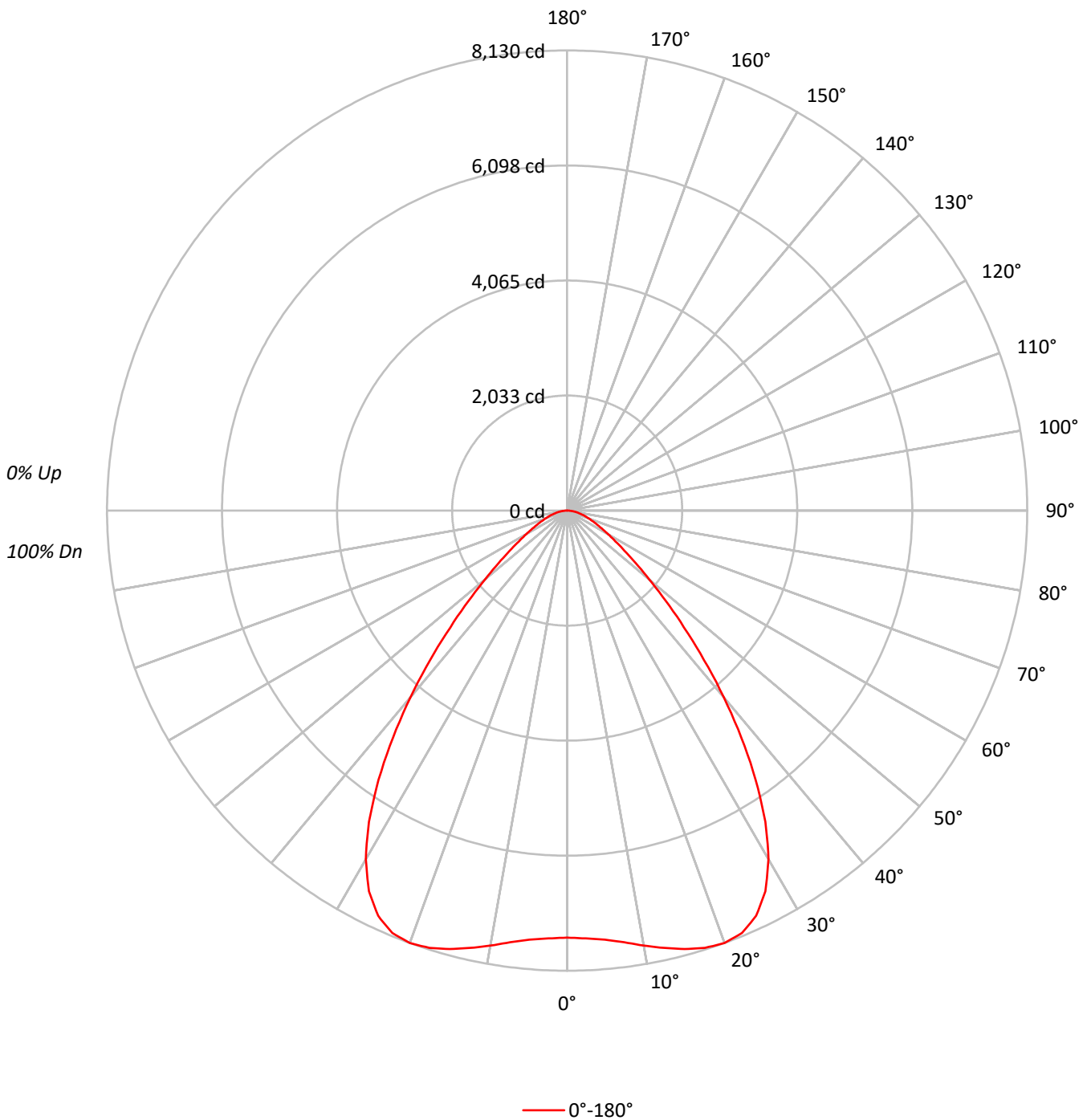
Lumens per Lamp: N/A  
Luminaire Lumens: 14597.3 lumens  
Efficiency: N/A  
Efficacy: 131.8 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.2  
Luminous Opening: Circular (Dia: 1.41' x H: 0')  
CIE Type: Direct

Input Watts (W): 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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89				89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79				79
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71				71
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63				63
5	84	74	66	61	82	73	66	60	71	64	60	69	63	59	67	62	59	57				57
6	79	67	60	55	77	67	60	54	65	59	54	63	58	54	62	57	53	51				51
7	74	62	55	49	72	61	54	49	60	54	49	59	53	49	57	52	48	47				47
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43				43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39				39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36				36

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

	0°
0°	52002
5°	52660
10°	54621
15°	57233
20°	59639
25°	60096
30°	56631
35°	48885
40°	38723
45°	28466
50°	20307
55°	14850
60°	11504
65°	9454
70°	8159
75°	7340
80°	6824
85°	6422



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	732.6	5.0
10°-20°	2272.8	15.6
20°-30°	3594.5	24.6
30°-40°	3591.1	24.6
40°-50°	2289.6	15.7
50°-60°	1142.8	7.8
60°-70°	587.4	4.0
70°-80°	295.9	2.0
80°-90°	90.6	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°	6599.9	45.2
0°-40°	10191.0	69.8
0°-60°	13623.4	93.3
0°-90°	14597.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14597.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7544	
5°	7610	733
15°	8020	2273
25°	7901	3595
35°	5809	3591
45°	2920	2290
55°	1236	1143
65°	580	587
75°	276	296
85°	81	91
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7543.6
2.5°	7564.9
5°	7610.0
7.5°	7690.6
10°	7803.2
12.5°	7914.6
15°	8019.5
17.5°	8100.7
20°	8129.7
22.5°	8075.2
25°	7901.0
27.5°	7582.1
30°	7114.5
32.5°	6516.6
35°	5809.0
37.5°	5054.0
40°	4303.1
42.5°	3581.3
45°	2919.9
47.5°	2358.7
50°	1893.5
52.5°	1524.2
55°	1235.6
57.5°	1011.6
60°	834.4
62.5°	693.4
65°	579.6
67.5°	485.4
70°	404.8
72.5°	335.4
75°	275.6
77.5°	222.8
80°	171.9
82.5°	125.6
85°	81.2
87.5°	40.3
90°	0.0

(END OF REPORT)