

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: P219396

Luminaire Tested: **SSLED-LD5-12-M-UNV-L835-CD1-SA23-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: P219396  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27262)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: SSLED-LD5-12-M-UNV-L835-CD1-SA23-U  
Description: METALUX ROUND HIGH BAY STEELER LED WITH MEDIUM DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND. SHROUD 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: 11121.1 lumens  
Efficiency: N/A  
Efficacy: 130.4 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.15  
Luminous Opening: Circular (Dia: 1.41' x H: 0')  
CIE Type: Direct

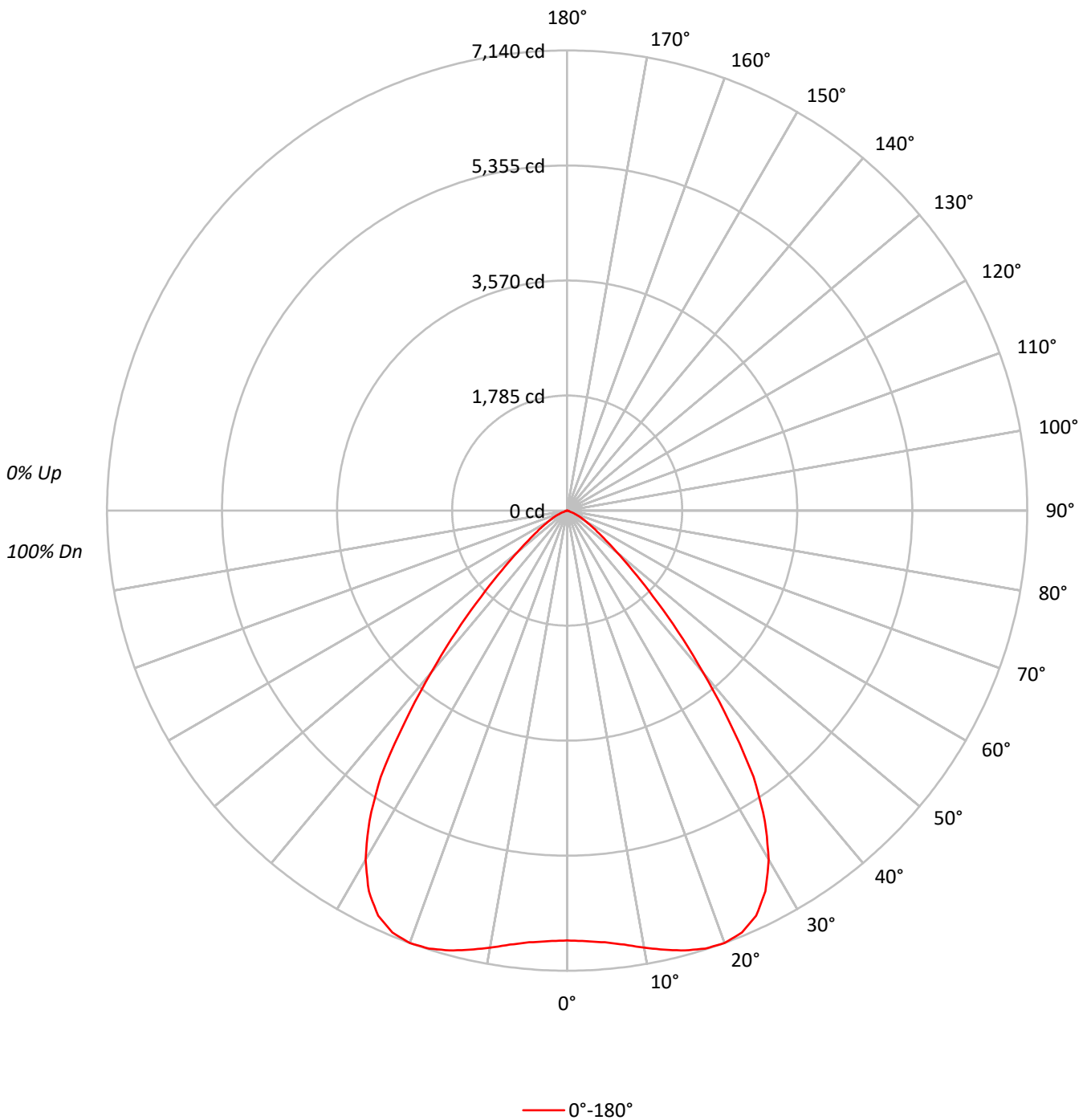
Input Watts (W): 85.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	100	95	92	104	98	94	91	95	92	88		92	89	87		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	80	77	75
4	93	84	78	73	91	83	77	72	81	76	72		79	74	71		77	73	70	68
5	87	78	71	66	86	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66	62	58	56
7	77	66	59	54	76	66	59	54	64	58	54		63	58	54		62	57	53	52
8	72	61	55	50	71	61	54	50	60	54	49		59	53	49		58	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46		55	49	45		54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42		51	46	42		50	45	42	40

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

	0°
0°	45978
5°	46527
10°	48196
15°	50421
20°	52379
25°	52767
30°	49783
35°	42425
40°	29474
45°	18405
50°	10808
55°	6837
60°	4627
65°	2939
70°	818
75°	559
80°	568
85°	759



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	647.0	5.8
10°-20°	2001.0	18.0
20°-30°	3157.0	28.4
30°-40°	3049.7	27.4
40°-50°	1514.1	13.6
50°-60°	539.2	4.8
60°-70°	179.5	1.6
70°-80°	24.2	0.2
80°-90°	9.4	0.1
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°	5805.0	52.2
0°-40°	8854.7	79.6
0°-60°	10908.0	98.1
0°-90°	11121.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11121.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6670	
5°	6724	647
15°	7065	2001
25°	6937	3157
35°	5041	3050
45°	1888	1514
55°	569	539
65°	180	179
75°	21	24
85°	10	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6669.7
2.5°	6686.9
5°	6723.7
7.5°	6792.5
10°	6885.3
12.5°	6978.5
15°	7065.0
17.5°	7125.3
20°	7140.1
22.5°	7086.5
25°	6937.4
27.5°	6662.5
30°	6254.2
32.5°	5712.5
35°	5041.3
37.5°	4137.3
40°	3275.3
42.5°	2541.0
45°	1887.9
47.5°	1375.4
50°	1007.8
52.5°	751.1
55°	568.9
57.5°	437.4
60°	335.6
62.5°	253.9
65°	180.2
67.5°	108.5
70°	40.6
72.5°	26.3
75°	21.0
77.5°	17.2
80°	14.3
82.5°	12.4
85°	9.6
87.5°	5.3
90°	0.0

(END OF REPORT)