

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: P219459

Luminaire Tested: **SSLED-LD5-12-W-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: P219459  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27263)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: SSLED-LD5-12-W-UNV-L835-CD1-SA23-U  
Description: METALUX ROUND HIGH BAY STEELER LED WITH WIDE 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: 10939.5 lumens  
Efficiency: N/A  
Efficacy: 128.2 lumens/watt  
Spacing Criteria (0/90/45): 1.7 / 1.7 / 1.49  
Luminous Opening: Circular (Dia: 1.41' x H: 0')  
CIE Type: Direct

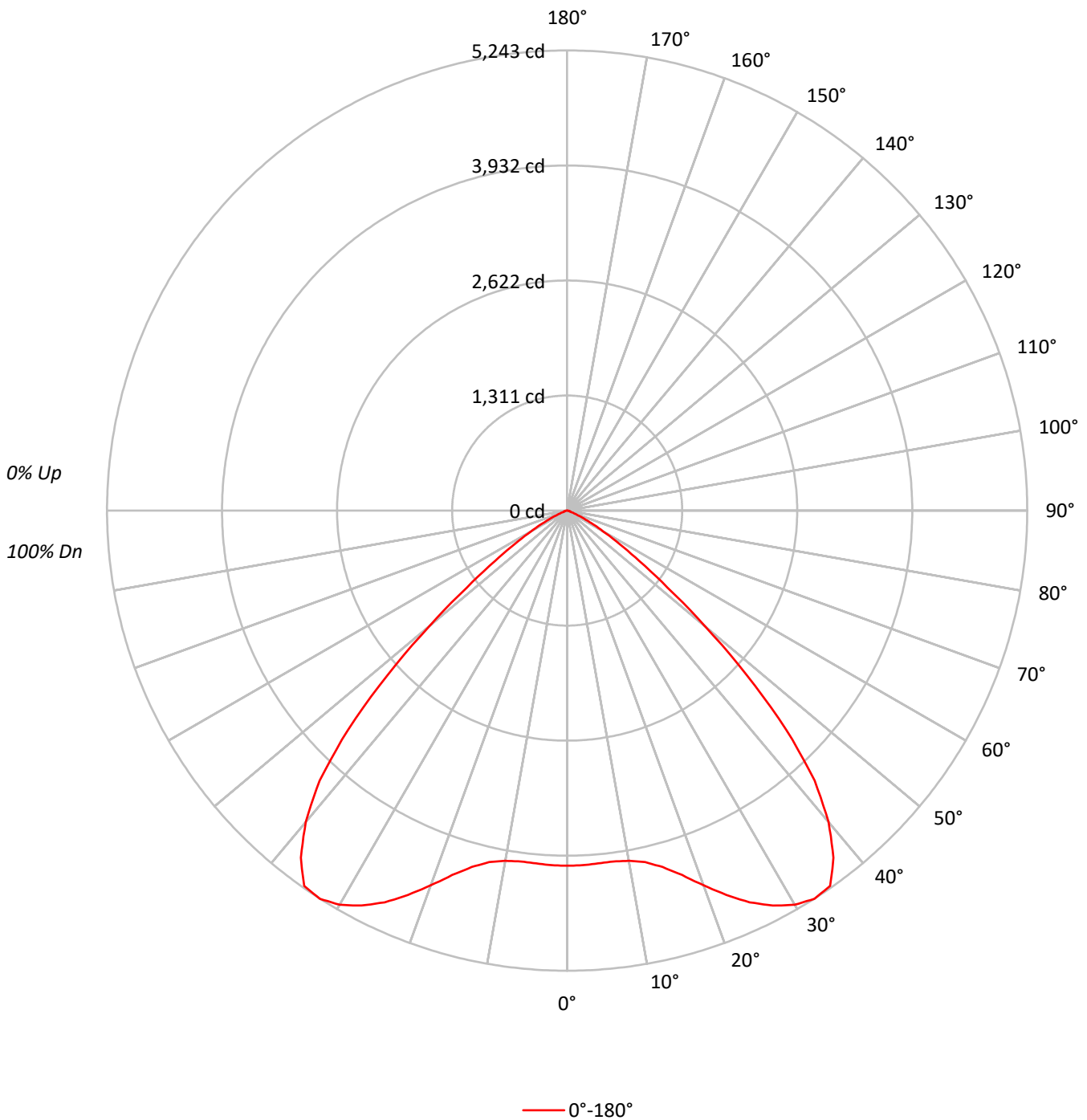
Input Watts (W): 85.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70
4	90	80	72	67	88	78	72	67	76	70	66	74	69	65	72	68	64	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55
6	77	66	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49
7	72	60	52	47	70	59	52	46	58	51	46	56	50	46	55	50	46	44
8	67	55	47	42	65	54	47	42	53	46	41	52	46	41	50	45	41	39
9	62	50	43	38	61	50	42	38	49	42	37	48	42	37	47	41	37	35
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32

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

	0°
0°	27888
5°	27919
10°	28356
15°	29998
20°	33319
25°	37455
30°	41276
35°	43951
40°	41685
45°	34416
50°	21955
55°	12055
60°	6525
65°	3065
70°	963
75°	751
80°	778
85°	830



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	385.5	3.5
10°-20°	1208.7	11.0
20°-30°	2276.9	20.8
30°-40°	3190.8	29.2
40°-50°	2648.0	24.2
50°-60°	975.2	8.9
60°-70°	211.6	1.9
70°-80°	31.4	0.3
80°-90°	11.3	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°	3871.2	35.4
0°-40°	7061.9	64.6
0°-60°	10685.2	97.7
0°-90°	10939.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10939.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4046	
5°	4035	386
15°	4203	1209
25°	4924	2277
35°	5223	3191
45°	3530	2648
55°	1003	975
65°	188	212
75°	28	31
85°	10	11
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4045.6
2.5°	4044.2
5°	4034.6
7.5°	4032.2
10°	4050.9
12.5°	4101.1
15°	4203.4
17.5°	4354.0
20°	4541.9
22.5°	4738.8
25°	4924.3
27.5°	5073.5
30°	5185.4
32.5°	5243.2
35°	5222.7
37.5°	4984.1
40°	4632.2
42.5°	4173.7
45°	3530.2
47.5°	2778.7
50°	2047.2
52.5°	1441.4
55°	1003.0
57.5°	702.3
60°	473.3
62.5°	312.7
65°	187.9
67.5°	102.3
70°	47.8
72.5°	33.9
75°	28.2
77.5°	23.4
80°	19.6
82.5°	15.8
85°	10.5
87.5°	5.3
90°	0.0

(END OF REPORT)