

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: P219468

Luminaire Tested: **SSLED-LD5-24-W-UNV-L835-CD2-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: P219468  
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-LD5-24-W-UNV-L835-CD2-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: 21346.9 lumens  
Efficiency: N/A  
Efficacy: 112.0 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

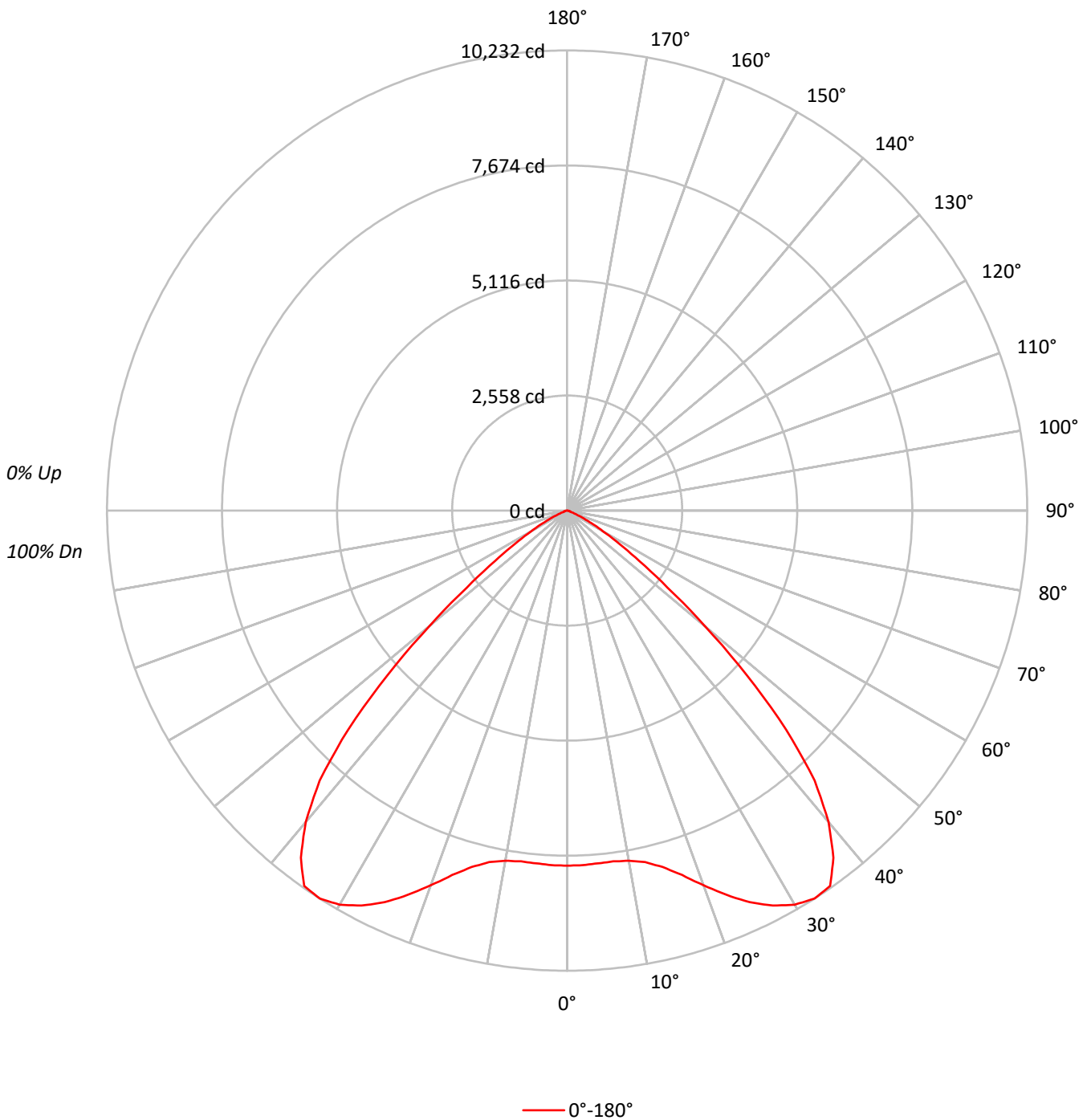
Input Watts (W): 190.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	54421
5°	54480
10°	55332
15°	58537
20°	65017
25°	73089
30°	80544
35°	85764
40°	81343
45°	67158
50°	42842
55°	23524
60°	12734
65°	5980
70°	1880
75°	1465
80°	1520
85°	1621



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	752.3	3.5
10°-20°	2358.6	11.0
20°-30°	4443.1	20.8
30°-40°	6226.4	29.2
40°-50°	5167.3	24.2
50°-60°	1903.1	8.9
60°-70°	412.8	1.9
70°-80°	61.4	0.3
80°-90°	22.0	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°	7554.0	35.4
0°-40°	13780.4	64.6
0°-60°	20850.8	97.7
0°-90°	21346.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	21346.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7894	
5°	7873	752
15°	8202	2359
25°	9609	4443
35°	10191	6226
45°	6889	5167
55°	1957	1903
65°	367	413
75°	55	61
85°	20	22
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7894.5
2.5°	7891.7
5°	7873.0
7.5°	7868.3
10°	7904.7
12.5°	8002.7
15°	8202.3
17.5°	8496.2
20°	8862.8
22.5°	9247.2
25°	9609.2
27.5°	9900.3
30°	10118.6
32.5°	10231.5
35°	10191.3
37.5°	9725.8
40°	9039.2
42.5°	8144.5
45°	6888.8
47.5°	5422.2
50°	3994.8
52.5°	2812.8
55°	1957.3
57.5°	1370.5
60°	923.6
62.5°	610.1
65°	366.6
67.5°	199.6
70°	93.3
72.5°	66.2
75°	55.0
77.5°	45.7
80°	38.3
82.5°	30.8
85°	20.5
87.5°	10.3
90°	0.0

(END OF REPORT)