

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: P219405

Luminaire Tested: **SSLED-LD5-24-M-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: P219405
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-LD5-24-M-UNV-L835-CD2-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: 21701.5 lumens
Efficiency: N/A
Efficacy: 113.9 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

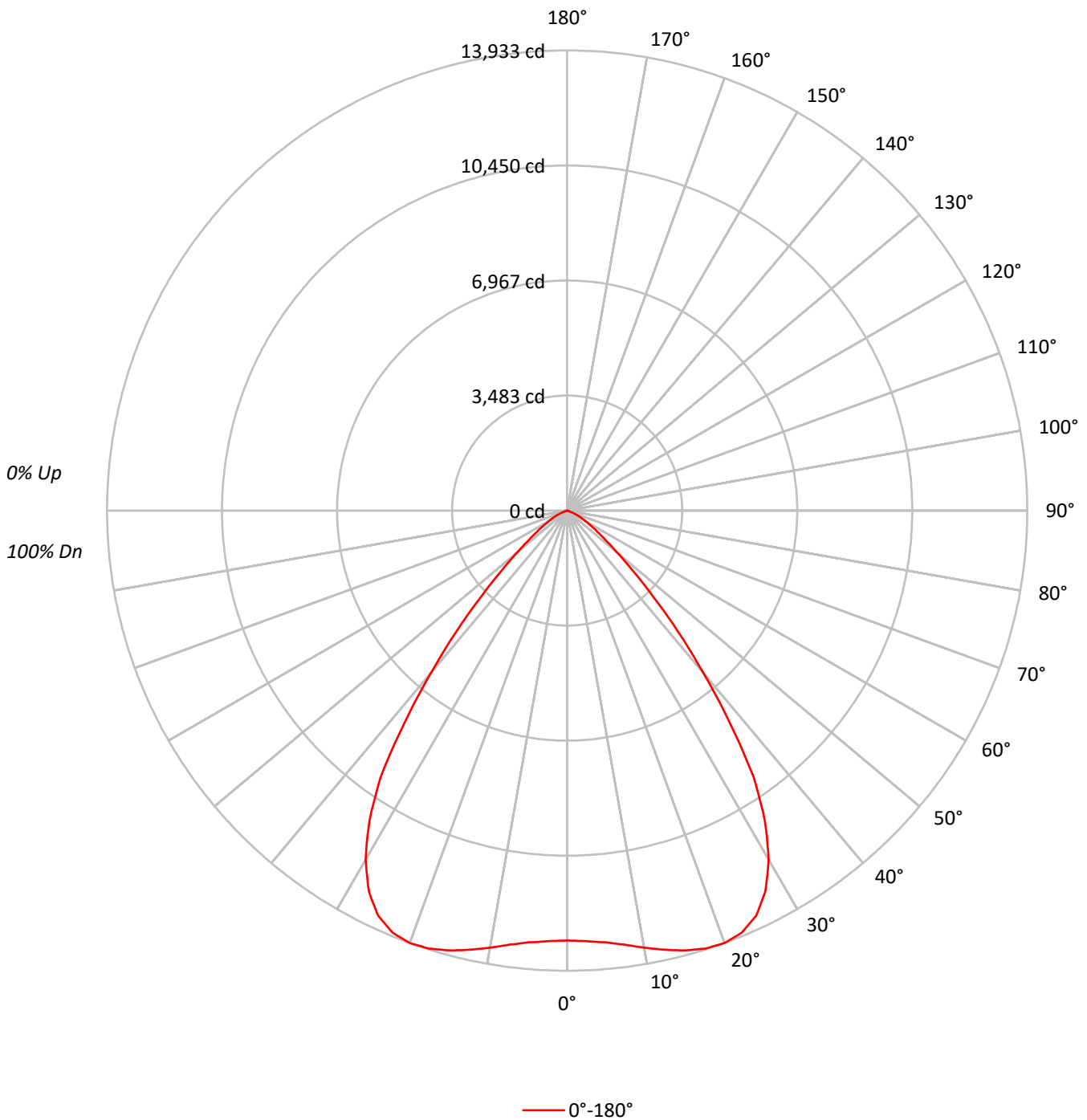
Input Watts (W): 190.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	89719
5°	90791
10°	94048
15°	98390
20°	102211
25°	102968
30°	97145
35°	82787
40°	57515
45°	35915
50°	21091
55°	13343
60°	9029
65°	5737
70°	1598
75°	1092
80°	1112
85°	1479



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1262.6	5.8
10°-20°	3904.7	18.0
20°-30°	6160.4	28.4
30°-40°	5951.1	27.4
40°-50°	2954.6	13.6
50°-60°	1052.2	4.8
60°-70°	350.3	1.6
70°-80°	47.3	0.2
80°-90°	18.3	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°	11327.7	52.2
0°-40°	17278.8	79.6
0°-60°	21285.6	98.1
0°-90°	21701.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	21701.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13015	
5°	13120	###
15°	13786	3905
25°	13537	6160
35°	9838	5951
45°	3684	2955
55°	1110	1052
65°	352	350
75°	41	47
85°	19	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13014.9
2.5°	13048.5
5°	13120.4
7.5°	13254.7
10°	13435.7
12.5°	13617.6
15°	13786.4
17.5°	13904.0
20°	13932.9
22.5°	13828.4
25°	13537.4
27.5°	13000.9
30°	12204.2
32.5°	11147.3
35°	9837.5
37.5°	8073.3
40°	6391.3
42.5°	4958.4
45°	3684.0
47.5°	2684.0
50°	1966.6
52.5°	1465.6
55°	1110.2
57.5°	853.6
60°	654.9
62.5°	495.4
65°	351.7
67.5°	211.8
70°	79.3
72.5°	51.3
75°	41.0
77.5°	33.6
80°	28.0
82.5°	24.3
85°	18.7
87.5°	10.3
90°	0.0

(END OF REPORT)