

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: P219300

Luminaire Tested: **SSLED-LD5-24-N-UNV-L835-CD2-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: P219300
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27366)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SSLED-LD5-24-N-UNV-L835-CD2-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH NARROW 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: 22584.0 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.84
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

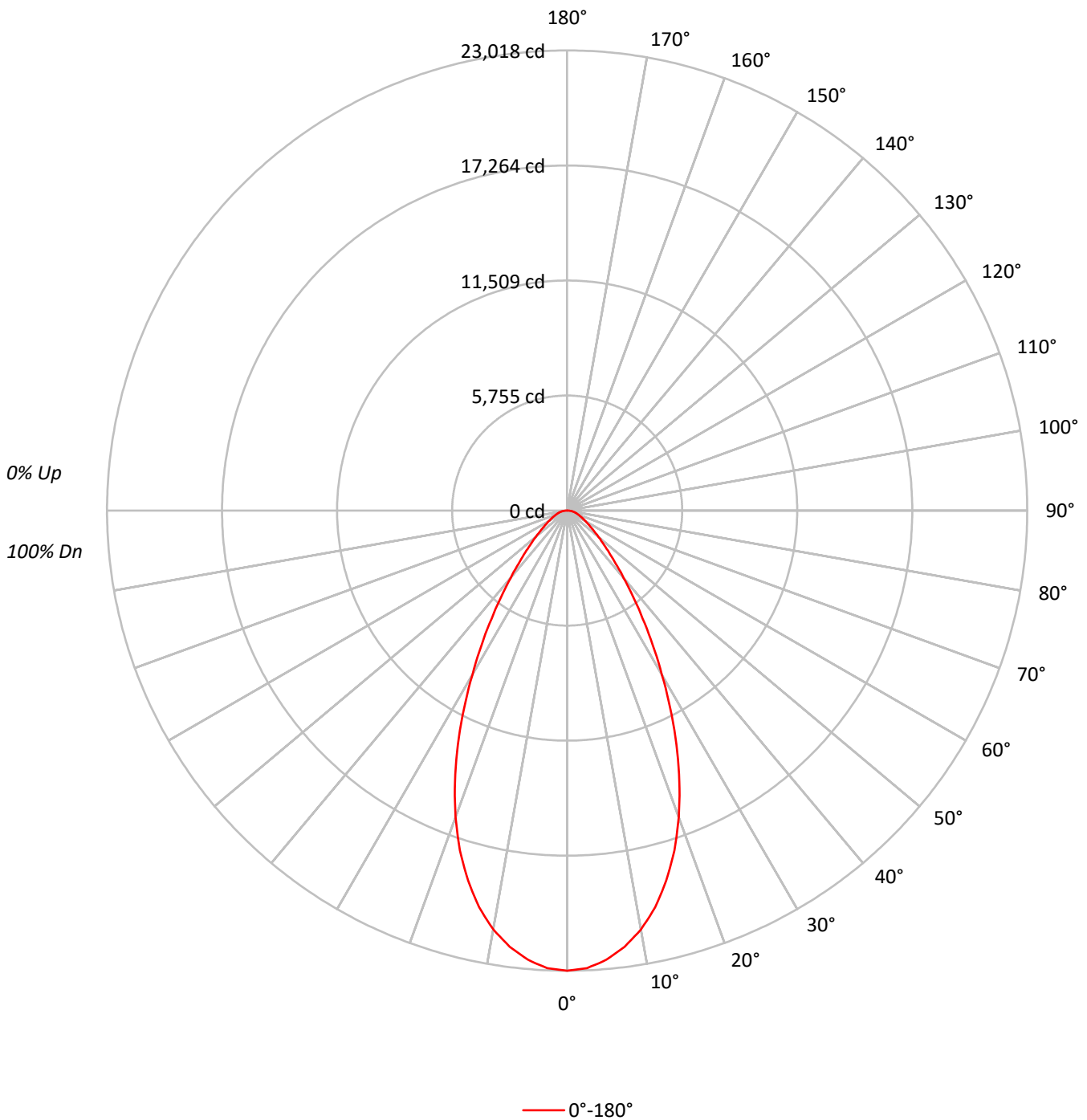
Input Watts (W): 190.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	75
4	93	84	78	73	91	83	77	72	81	76	72	79	74	71	77	73	70	68
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63
6	83	73	66	61	81	72	65	61	70	65	60	69	64	60	67	63	59	58
7	78	68	61	56	77	67	61	56	66	60	56	65	59	56	63	59	55	54
8	74	64	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	50
9	70	60	53	49	69	59	53	49	58	52	48	57	52	48	56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45	54	49	45	53	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	158676
5°	156074
10°	148913
15°	136736
20°	119727
25°	98344
30°	75449
35°	55405
40°	39575
45°	28777
50°	21841
55°	17323
60°	14547
65°	12950
70°	12091
75°	11852
80°	12183
85°	13280



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2112.3	9.4
10°-20°	5322.6	23.6
20°-30°	5886.0	26.1
30°-40°	4156.2	18.4
40°-50°	2339.0	10.4
50°-60°	1320.0	5.8
60°-70°	797.7	3.5
70°-80°	473.6	2.1
80°-90°	176.6	0.8
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°	13320.9	59.0
0°-40°	17477.1	77.4
0°-60°	21136.1	93.6
0°-90°	22584.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22584.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23018	
5°	22554	###
15°	19160	5323
25°	12930	5886
35°	6584	4156
45°	2952	2339
55°	1441	1320
65°	794	798
75°	445	474
85°	168	177
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	23018.1
2.5°	22907.1
5°	22554.5
7.5°	22008.7
10°	21273.6
12.5°	20329.4
15°	19159.5
17.5°	17832.9
20°	16320.6
22.5°	14672.2
25°	12929.5
27.5°	11172.7
30°	9478.6
32.5°	7952.3
35°	6583.7
37.5°	5387.7
40°	4397.8
42.5°	3594.6
45°	2951.8
47.5°	2445.2
50°	2036.6
52.5°	1706.3
55°	1441.4
57.5°	1228.7
60°	1055.1
62.5°	913.3
65°	793.9
67.5°	691.3
70°	599.9
72.5°	519.6
75°	445.0
77.5°	376.9
80°	306.9
82.5°	237.9
85°	167.9
87.5°	89.6
90°	0.0

(END OF REPORT)