

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: P219344

Luminaire Tested: **SSLED-LD5-24-N-UNV-L850-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: P219344
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27261)
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-L850-CD2-SA23-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH NARROW DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND. SHROUD ACCESSORY INSTALLED. FIXTURE CENTERED TO LEDS
Light Source: (240) 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23580.8 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.86
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

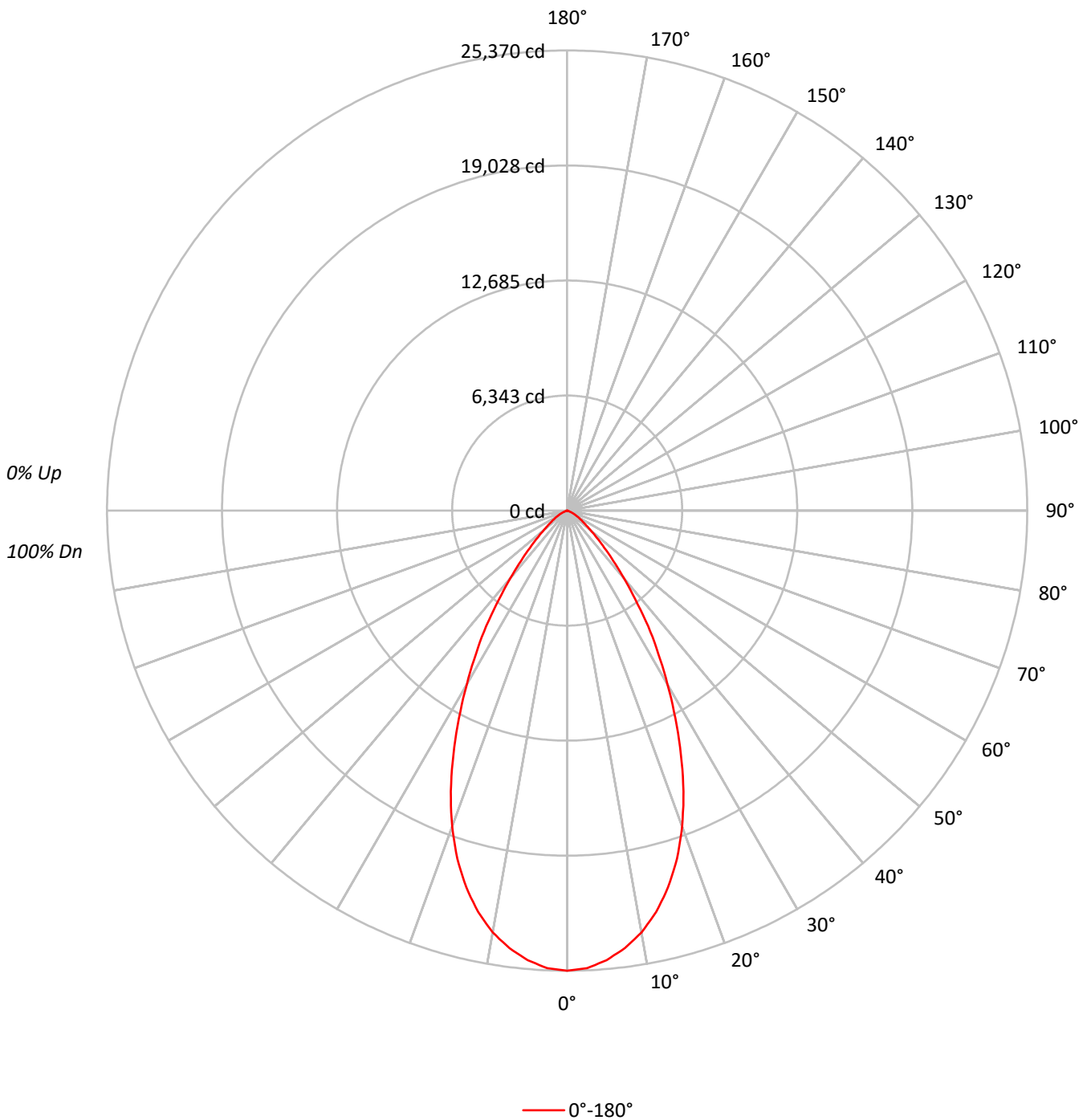
Input Watts (W): 190.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	107	105	111	108	106	103	104	102	100		100	99	97		97	96	94	93
2	107	102	97	94	105	100	96	93	97	93	91		94	91	89		91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	82		88	84	81		85	82	80	78
4	95	87	81	77	94	86	81	76	84	79	76		82	78	75		80	77	74	72
5	90	81	75	70	89	80	74	70	78	73	69		77	72	69		75	71	68	67
6	85	76	69	65	84	75	69	65	74	68	64		72	67	64		71	67	63	62
7	81	71	65	60	79	70	64	60	69	64	60		68	63	59		67	62	59	57
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59	55	52	50
10	69	59	53	49	68	59	53	49	58	52	49		57	52	49		56	52	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	174891
5°	172155
10°	165297
15°	153454
20°	135970
25°	112825
30°	88110
35°	65520
40°	43654
45°	28257
50°	18236
55°	12408
60°	8614
65°	5507
70°	1514
75°	988
80°	981
85°	1384



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2334.9	9.9
10°-20°	5976.5	25.3
20°-30°	6761.8	28.7
30°-40°	4830.0	20.5
40°-50°	2321.3	9.8
50°-60°	960.7	4.1
60°-70°	334.5	1.4
70°-80°	43.2	0.2
80°-90°	17.9	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°	15073.2	63.9
0°-40°	19903.2	84.4
0°-60°	23185.1	98.3
0°-90°	23580.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23580.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	25370	
5°	24878	###
15°	21502	5976
25°	14833	6762
35°	7786	4830
45°	2898	2321
55°	1032	961
65°	338	334
75°	37	43
85°	18	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	25370.3
2.5°	25245.7
5°	24878.3
7.5°	24335.8
10°	23614.3
12.5°	22664.2
15°	21502.1
17.5°	20127.0
20°	18534.7
22.5°	16762.2
25°	14833.3
27.5°	12920.8
30°	11069.1
32.5°	9356.4
35°	7785.7
37.5°	6143.9
40°	4851.1
42.5°	3770.3
45°	2898.5
47.5°	2216.1
50°	1700.4
52.5°	1320.6
55°	1032.4
57.5°	808.0
60°	624.8
62.5°	472.5
65°	337.6
67.5°	201.7
70°	75.1
72.5°	47.3
75°	37.1
77.5°	29.8
80°	24.7
82.5°	21.6
85°	17.5
87.5°	14.4
90°	0.0

(END OF REPORT)