

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: P219335

Luminaire Tested: **SSLED-LD5-12-N-UNV-L850-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: P219335
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-LD5-12-N-UNV-L850-CD1-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: 12084.3 lumens
Efficiency: N/A
Efficacy: 141.7 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

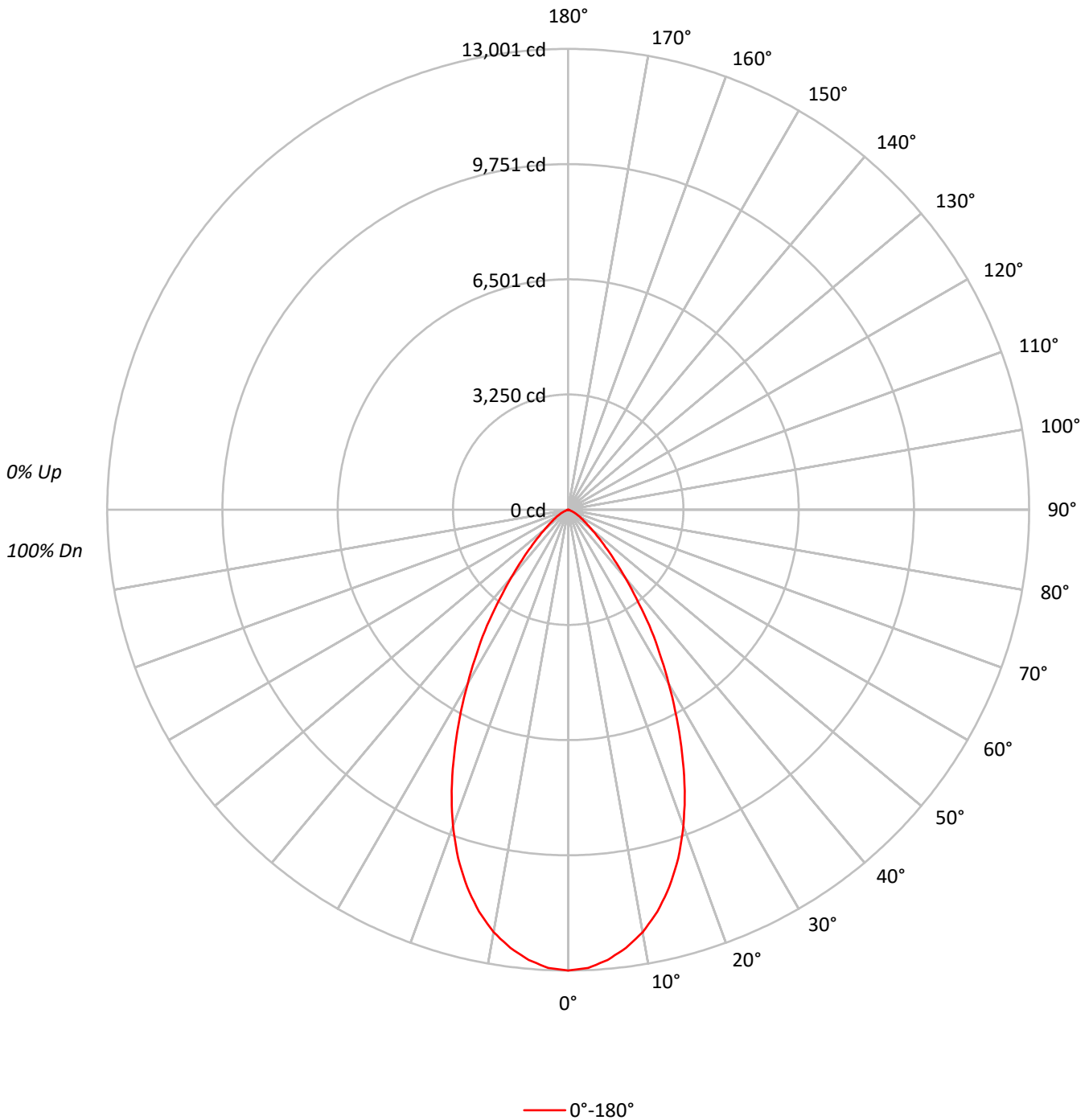
Input Watts (W): 85.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	89625
5°	88223
10°	84708
15°	78639
20°	69679
25°	57818
30°	45153
35°	33576
40°	22371
45°	14481
50°	9345
55°	6359
60°	4415
65°	2822
70°	776
75°	506
80°	504
85°	712



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1196.5	9.9
10°-20°	3062.7	25.3
20°-30°	3465.2	28.7
30°-40°	2475.2	20.5
40°-50°	1189.6	9.8
50°-60°	492.3	4.1
60°-70°	171.4	1.4
70°-80°	22.2	0.2
80°-90°	9.2	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°	7724.4	63.9
0°-40°	10199.6	84.4
0°-60°	11881.5	98.3
0°-90°	12084.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12084.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13001	
5°	12749	###
15°	11019	3063
25°	7602	3465
35°	3990	2475
45°	1485	1190
55°	529	492
65°	173	171
75°	19	22
85°	9	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13001.3
2.5°	12937.5
5°	12749.2
7.5°	12471.2
10°	12101.4
12.5°	11614.5
15°	11019.0
17.5°	10314.3
20°	9498.3
22.5°	8590.0
25°	7601.5
27.5°	6621.4
30°	5672.5
32.5°	4794.8
35°	3989.8
37.5°	3148.5
40°	2486.0
42.5°	1932.2
45°	1485.4
47.5°	1135.7
50°	871.4
52.5°	676.8
55°	529.1
57.5°	414.1
60°	320.2
62.5°	242.1
65°	173.0
67.5°	103.4
70°	38.5
72.5°	24.3
75°	19.0
77.5°	15.3
80°	12.7
82.5°	11.1
85°	9.0
87.5°	7.4
90°	0.0

(END OF REPORT)