

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: P219293

Luminaire Tested: **SSLED-LD5-12-N-UNV-L850-CD1-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: P219293
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-LD5-12-N-UNV-L850-CD1-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) 5000K CCT, 80 CRI LEDs
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12769.4 lumens
Efficiency: N/A
Efficacy: 149.7 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

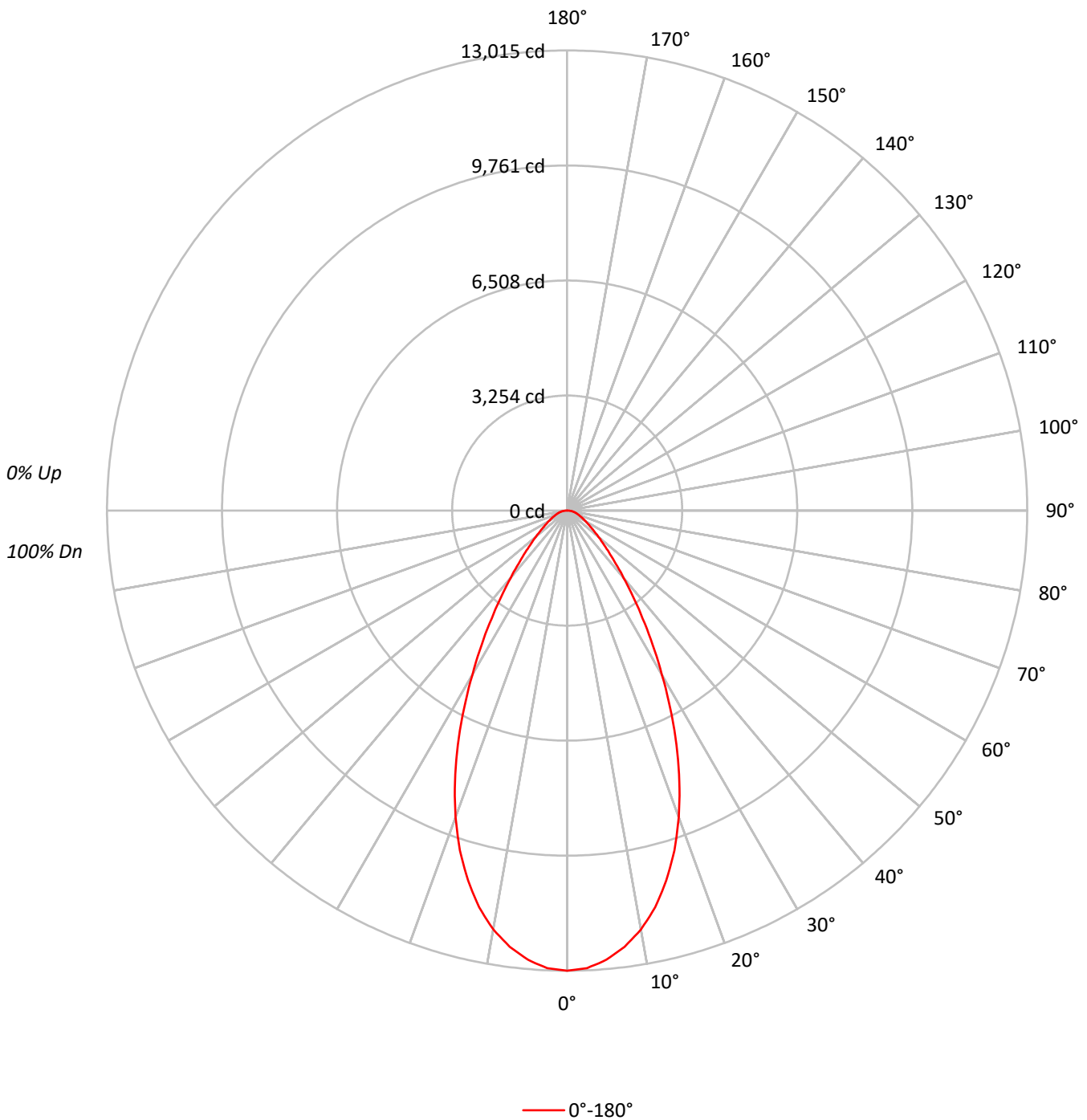
Input Watts (W): 85.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	89719
5°	88248
10°	84198
15°	77313
20°	67696
25°	55606
30°	42661
35°	31327
40°	22377
45°	16271
50°	12349
55°	9795
60°	8225
65°	7322
70°	6837
75°	6701
80°	6888
85°	7506



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1194.4	9.4
10°-20°	3009.5	23.6
20°-30°	3328.1	26.1
30°-40°	2350.0	18.4
40°-50°	1322.5	10.4
50°-60°	746.3	5.8
60°-70°	451.0	3.5
70°-80°	267.8	2.1
80°-90°	99.8	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°	7531.9	59.0
0°-40°	9881.9	77.4
0°-60°	11950.8	93.6
0°-90°	12769.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12769.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13015	
5°	12753	###
15°	10833	3010
25°	7311	3328
35°	3722	2350
45°	1669	1323
55°	815	746
65°	449	451
75°	252	268
85°	95	100
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13014.9
2.5°	12952.2
5°	12752.8
7.5°	12444.2
10°	12028.5
12.5°	11494.7
15°	10833.2
17.5°	10083.1
20°	9228.0
22.5°	8296.0
25°	7310.6
27.5°	6317.3
30°	5359.4
32.5°	4496.4
35°	3722.5
37.5°	3046.3
40°	2486.6
42.5°	2032.4
45°	1669.0
47.5°	1382.6
50°	1151.5
52.5°	964.8
55°	815.0
57.5°	694.7
60°	596.6
62.5°	516.4
65°	448.9
67.5°	390.9
70°	339.2
72.5°	293.8
75°	251.6
77.5°	213.1
80°	173.5
82.5°	134.5
85°	94.9
87.5°	50.6
90°	0.0

(END OF REPORT)