

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: P219377

Luminaire Tested: **SSLED-LD5-12-M-UNV-L850-CD1-UPL-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: P219377
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27259)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SSLED-LD5-12-M-UNV-L850-CD1-UPL-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH MEDIUM DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND. UPLIGHT REFLECTOR 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: 11321.0 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.18
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

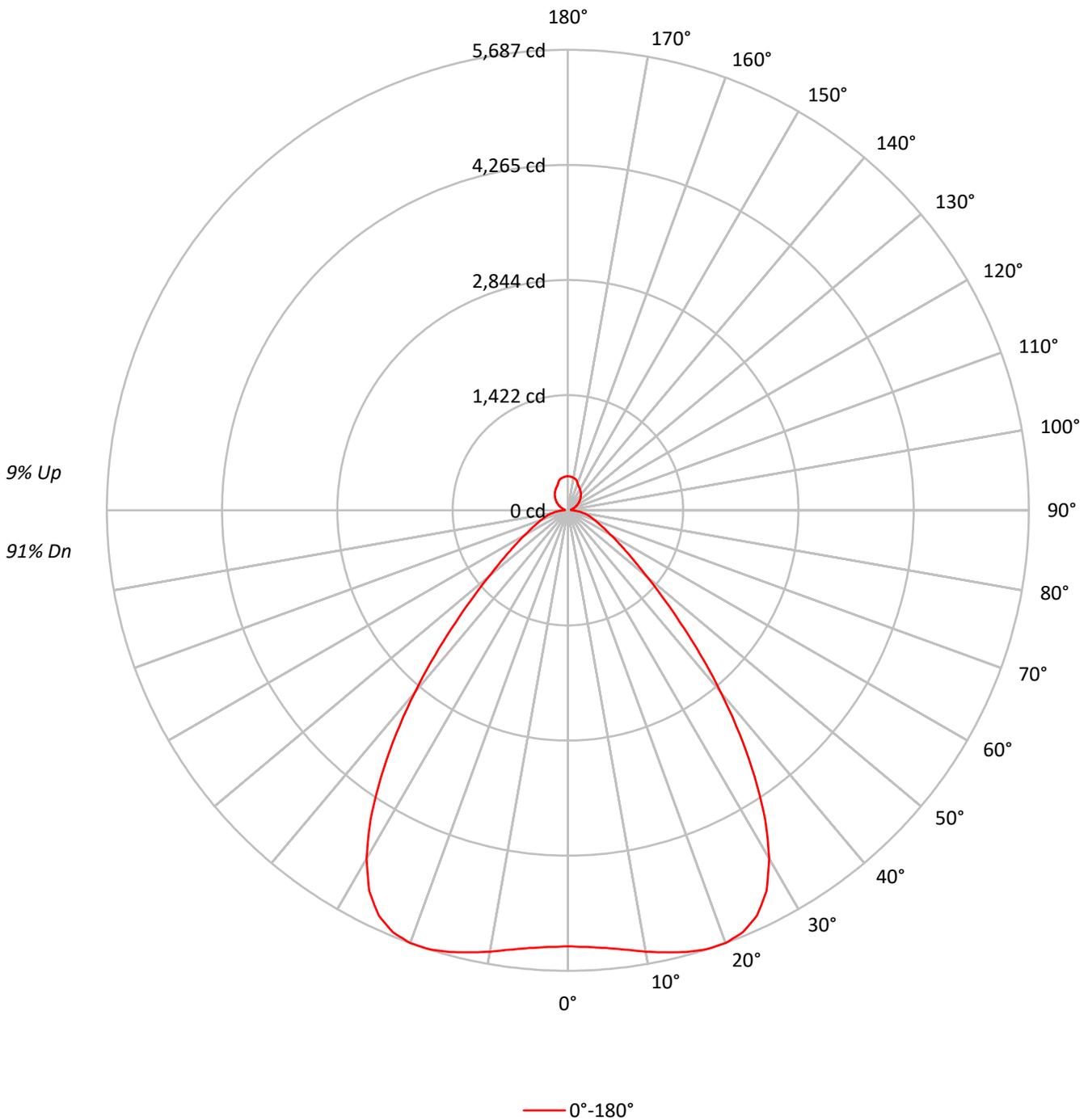
Input Watts (W): 85.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	91
1	109	105	102	99	105	102	99	96	96	94	92	91	89	87	86	85	83	81
2	101	95	89	85	98	92	87	83	87	83	80	83	80	77	79	76	74	72
3	94	86	79	74	91	83	77	73	79	74	70	76	71	68	72	69	66	64
4	88	78	70	65	85	76	69	64	72	67	62	69	64	61	66	62	59	57
5	82	71	63	58	79	69	62	57	66	60	56	64	58	54	61	57	53	51
6	76	65	57	52	74	64	56	51	61	55	50	59	53	49	56	52	48	46
7	71	60	52	47	69	58	51	46	56	50	46	54	49	45	52	47	44	42
8	67	55	48	43	65	54	47	42	52	46	41	50	45	41	49	44	40	38
9	63	51	44	39	61	50	43	39	48	42	38	47	41	37	45	40	37	35
10	59	47	40	36	57	47	40	35	45	39	35	44	38	34	42	37	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	37115
5°	37541
10°	38744
15°	40299
20°	41718
25°	41994
30°	39540
35°	33780
40°	26434
45°	19068
50°	13588
55°	10378
60°	8487
65°	7459
70°	6996
75°	7207
80°	7705
85°	8305



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	521.4	4.6
10°-20°	1599.2	14.1
20°-30°	2512.0	22.2
30°-40°	2482.9	21.9
40°-50°	1541.4	13.6
50°-60°	796.1	7.0
60°-70°	461.0	4.1
70°-80°	285.4	2.5
80°-90°	125.9	1.1
90°-100°	45.1	0.4
100°-110°	59.1	0.5
110°-120°	105.0	0.9
120°-130°	146.0	1.3
130°-140°	171.1	1.5
140°-150°	172.4	1.5
150°-160°	148.9	1.3
160°-170°	108.7	1.0
170°-180°	39.4	0.3
0°-30°	4632.6	40.9
0°-40°	7115.4	62.9
0°-60°	9453.0	83.5
0°-90°	10325.2	91.2
90°-120°	209.2	1.8
90°-150°	698.7	6.2
90°-180°	996.0	8.8
0°-180°	11321.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5384	
5°	5425	521
15°	5647	1599
25°	5521	2512
35°	4014	2483
45°	1956	1541
55°	864	796
65°	457	461
75°	271	285
85°	105	107
90°	56	31
95°	38	32
105°	53	59
115°	107	105
125°	163	146
135°	222	171
145°	276	172
155°	322	149
165°	392	109
175°	417	39
180°	420	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5384.0
2.5°	5397.7
5°	5425.1
7.5°	5472.1
10°	5534.9
12.5°	5591.3
15°	5646.7
17.5°	5684.1
20°	5686.8
22.5°	5639.8
25°	5521.1
27.5°	5302.2
30°	4967.3
32.5°	4528.4
35°	4014.1
37.5°	3475.0
40°	2937.5
42.5°	2422.7
45°	1955.9
47.5°	1572.4
50°	1267.0
52.5°	1040.7
55°	863.5
57.5°	728.5
60°	615.6
62.5°	527.5
65°	457.3
67.5°	398.2
70°	347.1
72.5°	307.0
75°	270.6
77.5°	233.1
80°	194.1
82.5°	154.0
85°	105.0
87.5°	78.1
90°	55.9
92.5°	36.4
95°	38.5
97.5°	40.6
100°	43.8
102.5°	48.0
105°	53.3
107.5°	62.2
110°	77.0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	92.3
115°	106.6
117.5°	120.3
120°	134.0
122.5°	148.7
125°	163.0
127.5°	177.8
130°	193.1
132.5°	207.8
135°	222.1
137.5°	235.8
140°	249.5
142.5°	263.2
145°	275.9
147.5°	288.0
150°	299.6
152.5°	310.2
155°	321.8
157.5°	335.0
160°	351.8
162.5°	374.5
165°	391.9
167.5°	399.8
170°	405.6
172.5°	412.0
175°	417.2
177.5°	419.3
180°	419.9

(END OF REPORT)