

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: P219375

Luminaire Tested: **SSLED-LD5-12-M-UNV-L835-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: P219375
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-L835-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) 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10260.6 lumens
Efficiency: N/A
Efficacy: 120.3 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

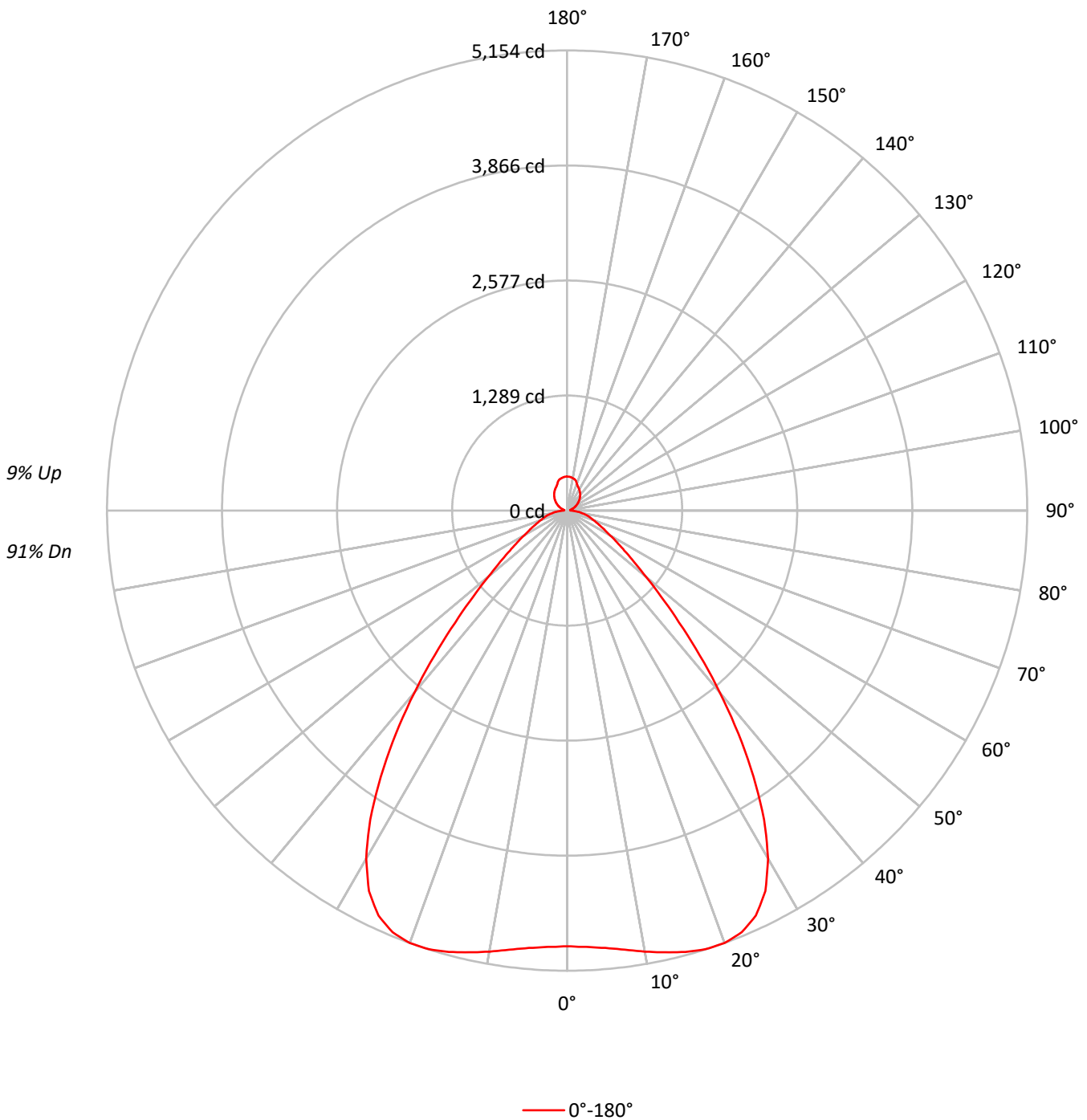
Input Watts (W): 85.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	33638
5°	34025
10°	35114
15°	36524
20°	37810
25°	38061
30°	35836
35°	30617
40°	23959
45°	17282
50°	12315
55°	9406
60°	7692
65°	6761
70°	6341
75°	6533
80°	6983
85°	7522



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	472.5	4.6
10°-20°	1449.4	14.1
20°-30°	2276.7	22.2
30°-40°	2250.3	21.9
40°-50°	1397.0	13.6
50°-60°	721.5	7.0
60°-70°	417.8	4.1
70°-80°	258.7	2.5
80°-90°	114.1	1.1
90°-100°	40.9	0.4
100°-110°	53.6	0.5
110°-120°	95.2	0.9
120°-130°	132.3	1.3
130°-140°	155.1	1.5
140°-150°	156.2	1.5
150°-160°	134.9	1.3
160°-170°	98.5	1.0
170°-180°	35.7	0.3
0°-30°	4198.7	40.9
0°-40°	6449.0	62.9
0°-60°	8567.6	83.5
0°-90°	9358.1	91.2
90°-120°	189.6	1.8
90°-150°	633.3	6.2
90°-180°	903.0	8.8
0°-180°	10260.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4880	
5°	4917	473
15°	5118	1449
25°	5004	2277
35°	3638	2250
45°	1773	1397
55°	783	722
65°	414	418
75°	245	259
85°	95	97
90°	51	28
95°	35	29
105°	48	54
115°	97	95
125°	148	132
135°	201	155
145°	250	156
155°	292	135
165°	355	99
175°	378	36
180°	380	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4879.7
2.5°	4892.1
5°	4917.0
7.5°	4959.6
10°	5016.4
12.5°	5067.6
15°	5117.8
17.5°	5151.7
20°	5154.1
22.5°	5111.6
25°	5004.0
27.5°	4805.6
30°	4502.0
32.5°	4104.3
35°	3638.2
37.5°	3149.6
40°	2662.4
42.5°	2195.8
45°	1772.7
47.5°	1425.1
50°	1148.3
52.5°	943.2
55°	782.6
57.5°	660.2
60°	557.9
62.5°	478.1
65°	414.5
67.5°	360.9
70°	314.6
72.5°	278.2
75°	245.3
77.5°	211.3
80°	175.9
82.5°	139.6
85°	95.1
87.5°	70.8
90°	50.7
92.5°	33.0
95°	34.9
97.5°	36.8
100°	39.7
102.5°	43.5
105°	48.3
107.5°	56.4
110°	69.8



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	83.7
115°	96.6
117.5°	109.0
120°	121.4
122.5°	134.8
125°	147.7
127.5°	161.1
130°	175.0
132.5°	188.4
135°	201.3
137.5°	213.7
140°	226.1
142.5°	238.6
145°	250.0
147.5°	261.0
150°	271.5
152.5°	281.1
155°	291.6
157.5°	303.6
160°	318.9
162.5°	339.4
165°	355.2
167.5°	362.4
170°	367.6
172.5°	373.4
175°	378.2
177.5°	380.1
180°	380.5

(END OF REPORT)