

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: P219372

Luminaire Tested: **SSLED-LD5-9-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: P219372
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-LD5-9-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: 7694.2 lumens
Efficiency: N/A
Efficacy: 120.0 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

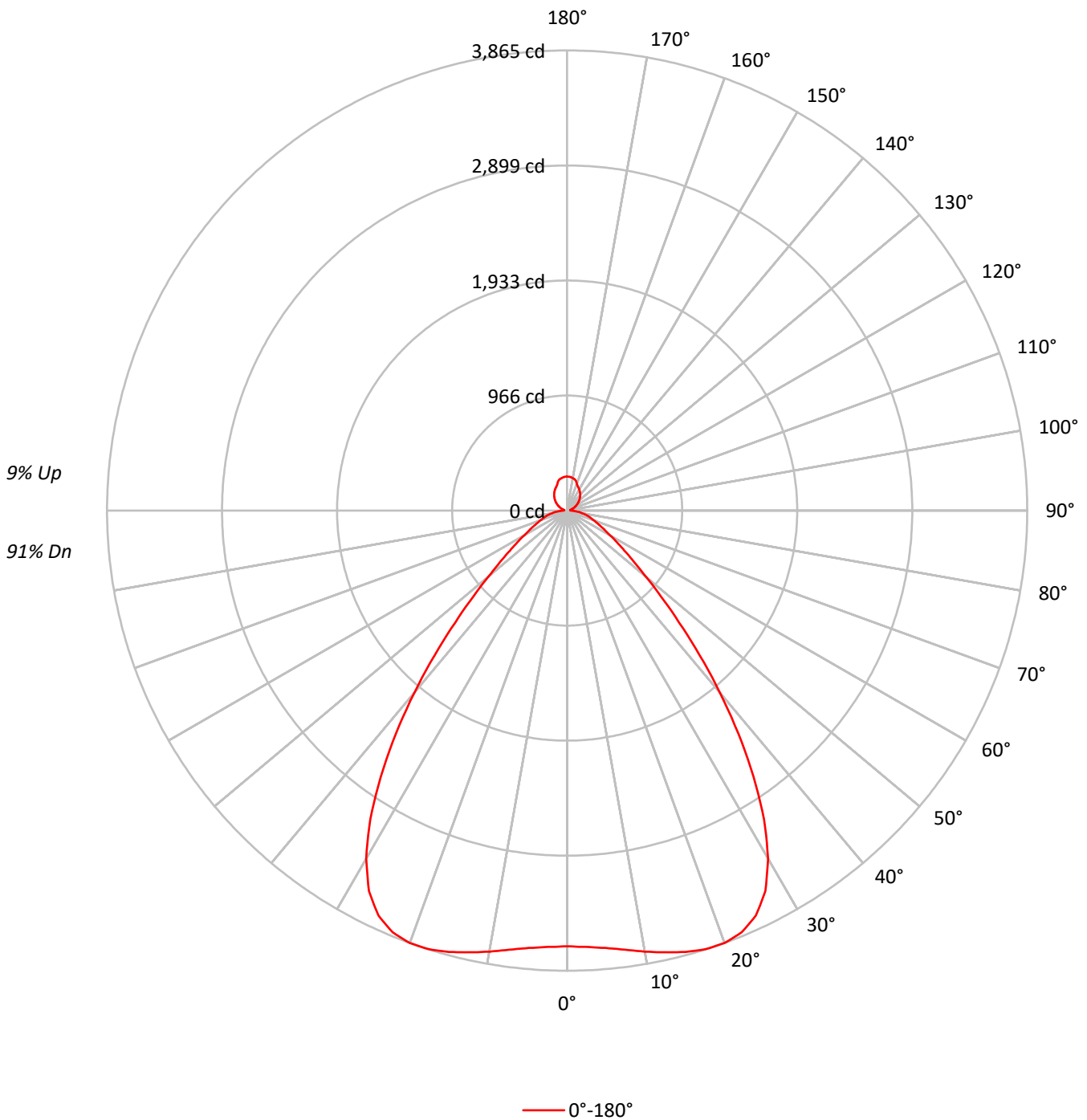
Input Watts (W): 64.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	25225
5°	25515
10°	26331
15°	27389
20°	28353
25°	28541
30°	26873
35°	22959
40°	17966
45°	12959
50°	9235
55°	7054
60°	5769
65°	5070
70°	4755
75°	4898
80°	5236
85°	5639



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.4	4.6
10°-20°	1086.9	14.1
20°-30°	1707.3	22.2
30°-40°	1687.5	21.9
40°-50°	1047.6	13.6
50°-60°	541.1	7.0
60°-70°	313.3	4.1
70°-80°	194.0	2.5
80°-90°	85.5	1.1
90°-100°	30.7	0.4
100°-110°	40.2	0.5
110°-120°	71.3	0.9
120°-130°	99.2	1.3
130°-140°	116.3	1.5
140°-150°	117.2	1.5
150°-160°	101.2	1.3
160°-170°	73.9	1.0
170°-180°	26.8	0.3
0°-30°	3148.5	40.9
0°-40°	4836.0	62.9
0°-60°	6424.7	83.5
0°-90°	7017.5	91.2
90°-120°	142.2	1.8
90°-150°	474.8	6.2
90°-180°	677.0	8.8
0°-180°	7694.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3659	
5°	3687	354
15°	3838	1087
25°	3752	1707
35°	2728	1687
45°	1329	1048
55°	587	541
65°	311	313
75°	184	194
85°	71	73
90°	38	21
95°	26	22
105°	36	40
115°	72	71
125°	111	99
135°	151	116
145°	188	117
155°	219	101
165°	266	74
175°	284	27
180°	285	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3659.2
2.5°	3668.5
5°	3687.2
7.5°	3719.1
10°	3761.7
12.5°	3800.1
15°	3837.7
17.5°	3863.2
20°	3865.0
22.5°	3833.1
25°	3752.4
27.5°	3603.6
30°	3376.0
32.5°	3077.7
35°	2728.2
37.5°	2361.8
40°	1996.5
42.5°	1646.6
45°	1329.3
47.5°	1068.7
50°	861.1
52.5°	707.3
55°	586.9
57.5°	495.1
60°	418.4
62.5°	358.5
65°	310.8
67.5°	270.7
70°	235.9
72.5°	208.6
75°	183.9
77.5°	158.5
80°	131.9
82.5°	104.7
85°	71.3
87.5°	53.1
90°	38.0
92.5°	24.7
95°	26.2
97.5°	27.6
100°	29.8
102.5°	32.6
105°	36.2
107.5°	42.3
110°	52.3



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	62.7
115°	72.4
117.5°	81.7
120°	91.1
122.5°	101.1
125°	110.8
127.5°	120.8
130°	131.2
132.5°	141.2
135°	150.9
137.5°	160.2
140°	169.6
142.5°	178.9
145°	187.5
147.5°	195.7
150°	203.6
152.5°	210.8
155°	218.7
157.5°	227.6
160°	239.1
162.5°	254.5
165°	266.4
167.5°	271.7
170°	275.7
172.5°	280.0
175°	283.6
177.5°	285.0
180°	285.4

(END OF REPORT)