

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: P219393

Luminaire Tested: **SSLED-LD5-9-M-UNV-L835-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: P219393
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27262)
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-SA23-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH MEDIUM DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND. SHROUD 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: 8339.6 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.15
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

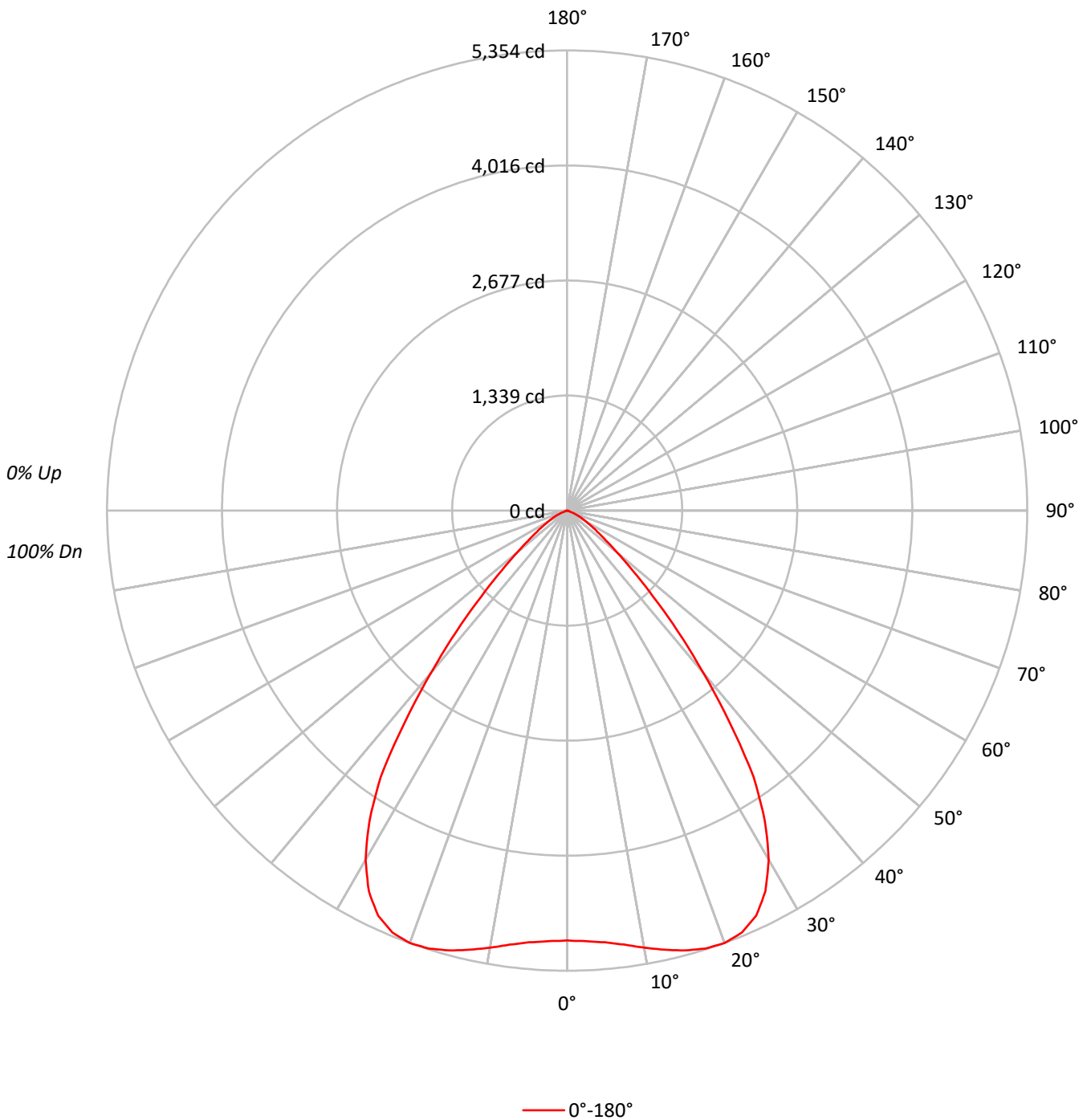
Input Watts (W): 64.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	100	95	92	104	98	94	91	95	92	88		92	89	87		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	80	77	75
4	93	84	78	73	91	83	77	72	81	76	72		79	74	71		77	73	70	68
5	87	78	71	66	86	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66	62	58	56
7	77	66	59	54	76	66	59	54	64	58	54		63	58	54		62	57	53	52
8	72	61	55	50	71	61	54	50	60	54	49		59	53	49		58	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46		55	49	45		54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42		51	46	42		50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	34477
5°	34889
10°	36141
15°	37810
20°	39278
25°	39569
30°	37331
35°	31814
40°	22102
45°	13802
50°	8104
55°	5127
60°	3470
65°	2205
70°	615
75°	421
80°	429
85°	569



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	485.2	5.8
10°-20°	1500.5	18.0
20°-30°	2367.3	28.4
30°-40°	2286.9	27.4
40°-50°	1135.4	13.6
50°-60°	404.3	4.8
60°-70°	134.6	1.6
70°-80°	18.2	0.2
80°-90°	7.0	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°	4353.1	52.2
0°-40°	6640.0	79.6
0°-60°	8179.7	98.1
0°-90°	8339.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8339.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5001	
5°	5042	485
15°	5298	1501
25°	5202	2367
35°	3780	2287
45°	1416	1135
55°	427	404
65°	135	135
75°	16	18
85°	7	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5001.4
2.5°	5014.3
5°	5041.9
7.5°	5093.6
10°	5163.1
12.5°	5233.0
15°	5297.9
17.5°	5343.1
20°	5354.2
22.5°	5314.0
25°	5202.2
27.5°	4996.1
30°	4689.9
32.5°	4283.7
35°	3780.4
37.5°	3102.5
40°	2456.1
42.5°	1905.4
45°	1415.7
47.5°	1031.4
50°	755.7
52.5°	563.2
55°	426.6
57.5°	328.0
60°	251.7
62.5°	190.4
65°	135.2
67.5°	81.4
70°	30.5
72.5°	19.7
75°	15.8
77.5°	12.9
80°	10.8
82.5°	9.3
85°	7.2
87.5°	3.9
90°	0.0

(END OF REPORT)