

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: P219351

Luminaire Tested: **SSLED-LD5-9-M-UNV-L835-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: P219351
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27367)
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-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH MEDIUM DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND.
Light Source: (240) 3500K CCT, 80 CRI LEDs
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8830.4 lumens
Efficiency: N/A
Efficacy: 137.8 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.2
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

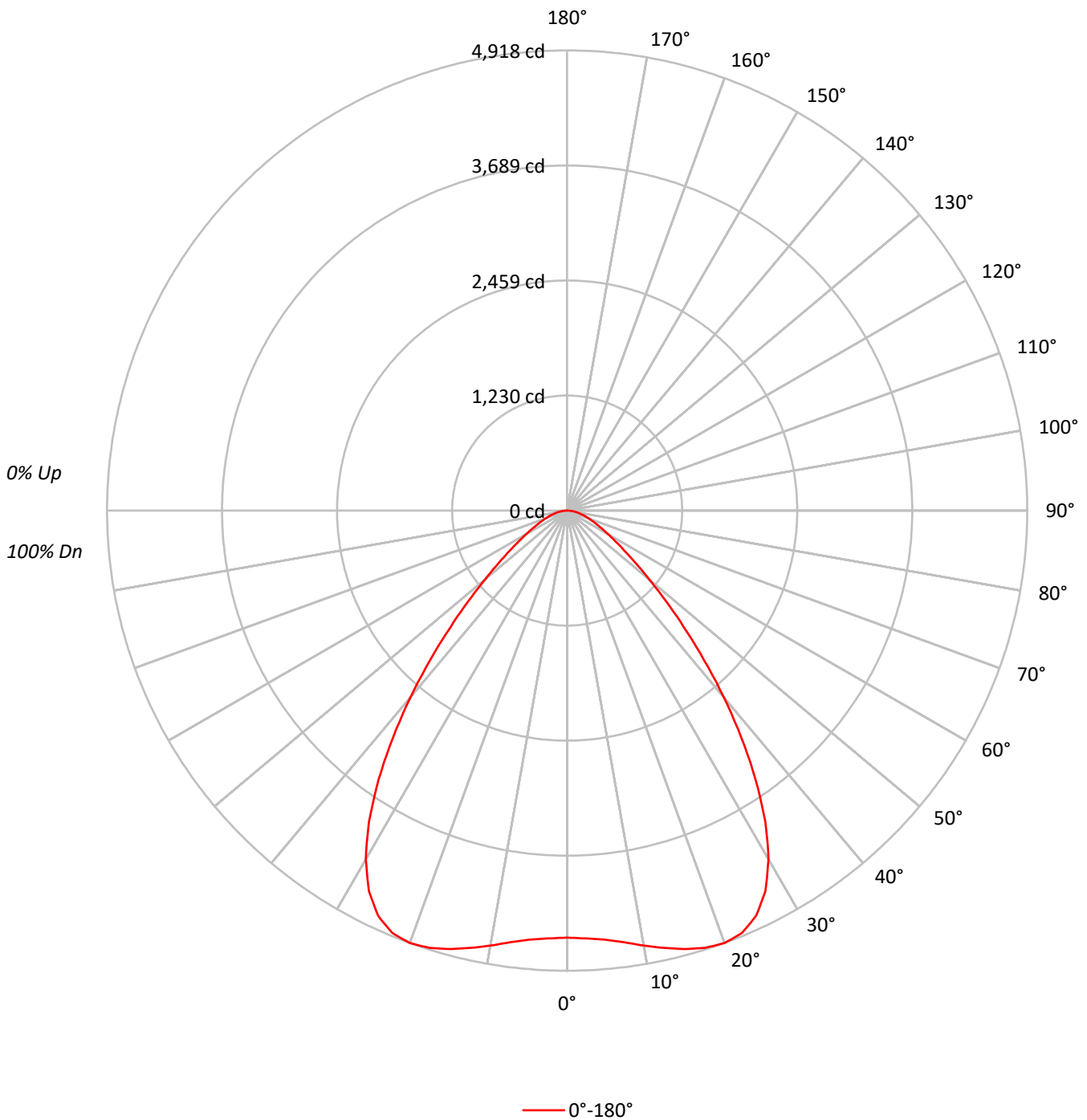
Input Watts (W): 64.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P219351

CATALOG NUMBER: SSLED-LD5-9-M-UNV-L835-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P219351

CATALOG NUMBER: SSLED-LD5-9-M-UNV-L835-CD1-U

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	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	89
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		86	84	81	79
3	97	88	82	77	95	87	81	76	84	79	75		82	77	74		79	76	73	71
4	90	81	73	68	88	79	73	68	77	71	67		75	70	66		73	69	65	63
5	84	74	66	61	82	73	66	60	71	64	60		69	63	59		67	62	59	57
6	79	67	60	55	77	67	60	54	65	59	54		63	58	54		62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49		59	53	49		57	52	48	47
8	69	57	50	45	68	57	50	45	56	49	45		54	49	44		53	48	44	43
9	65	53	46	41	64	53	46	41	52	45	41		51	45	41		50	44	41	39
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	31457
5°	31856
10°	33042
15°	34622
20°	36077
25°	36354
30°	34258
35°	29572
40°	23425
45°	17220
50°	12284
55°	8984
60°	6960
65°	5719
70°	4936
75°	4440
80°	4129
85°	3884



TEST NUMBER: P219351

CATALOG NUMBER: SSLED-LD5-9-M-UNV-L835-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	443.2	5.0
10°-20°	1374.9	15.6
20°-30°	2174.4	24.6
30°-40°	2172.3	24.6
40°-50°	1385.0	15.7
50°-60°	691.4	7.8
60°-70°	355.3	4.0
70°-80°	179.0	2.0
80°-90°	54.8	0.6
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°	3992.5	45.2
0°-40°	6164.8	69.8
0°-60°	8241.2	93.3
0°-90°	8830.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8830.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4563	
5°	4604	443
15°	4851	1375
25°	4780	2174
35°	3514	2172
45°	1766	1385
55°	748	691
65°	351	355
75°	167	179
85°	49	55
90°	0	



TEST NUMBER: P219351

CATALOG NUMBER: SSLED-LD5-9-M-UNV-L835-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°
0°	4563.3
2.5°	4576.2
5°	4603.5
7.5°	4652.2
10°	4720.4
12.5°	4787.8
15°	4851.2
17.5°	4900.3
20°	4917.9
22.5°	4884.9
25°	4779.5
27.5°	4586.6
30°	4303.8
32.5°	3942.1
35°	3514.0
37.5°	3057.3
40°	2603.1
42.5°	2166.4
45°	1766.3
47.5°	1426.8
50°	1145.4
52.5°	922.1
55°	747.5
57.5°	612.0
60°	504.8
62.5°	419.4
65°	350.6
67.5°	293.6
70°	244.9
72.5°	202.9
75°	166.7
77.5°	134.8
80°	104.0
82.5°	76.0
85°	49.1
87.5°	24.4
90°	0.0

(END OF REPORT)