

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: P219353

Luminaire Tested: **SSLED-LD5-9-M-UNV-L850-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: P219353
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-L850-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) 5000K CCT, 80 CRI LEDs
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9742.9 lumens
Efficiency: N/A
Efficacy: 152.0 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

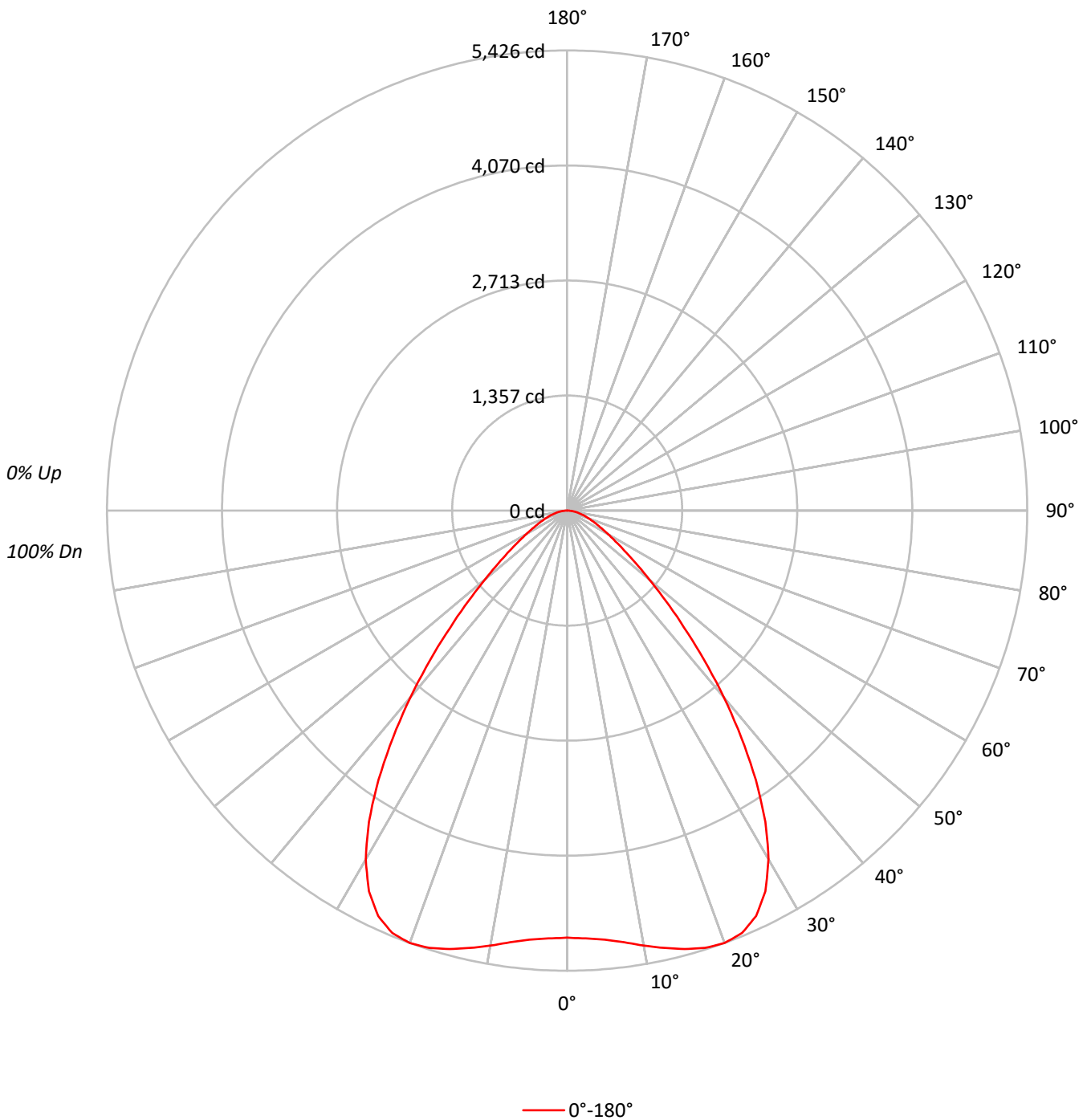
Input Watts (W): 64.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	34708
5°	35147
10°	36457
15°	38199
20°	39806
25°	40110
30°	37798
35°	32628
40°	25846
45°	19000
50°	13554
55°	9912
60°	7678
65°	6309
70°	5446
75°	4898
80°	4553
85°	4287



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	489.0	5.0
10°-20°	1517.0	15.6
20°-30°	2399.1	24.6
30°-40°	2396.8	24.6
40°-50°	1528.2	15.7
50°-60°	762.8	7.8
60°-70°	392.1	4.0
70°-80°	197.5	2.0
80°-90°	60.5	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°	4405.0	45.2
0°-40°	6801.9	69.8
0°-60°	9092.8	93.3
0°-90°	9742.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9742.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5035	
5°	5079	489
15°	5352	1517
25°	5273	2399
35°	3877	2397
45°	1949	1528
55°	825	763
65°	387	392
75°	184	197
85°	54	60
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5034.9
2.5°	5049.2
5°	5079.2
7.5°	5133.0
10°	5208.2
12.5°	5282.5
15°	5352.5
17.5°	5406.7
20°	5426.1
22.5°	5389.7
25°	5273.4
27.5°	5060.6
30°	4748.5
32.5°	4349.4
35°	3877.2
37.5°	3373.2
40°	2872.1
42.5°	2390.3
45°	1948.9
47.5°	1574.3
50°	1263.8
52.5°	1017.3
55°	824.7
57.5°	675.2
60°	556.9
62.5°	462.8
65°	386.8
67.5°	324.0
70°	270.2
72.5°	223.9
75°	183.9
77.5°	148.7
80°	114.7
82.5°	83.9
85°	54.2
87.5°	26.9
90°	0.0

(END OF REPORT)