

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: P219416

Luminaire Tested: **SSLED-LD5-9-W-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: P219416
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27368)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SSLED-LD5-9-W-UNV-L850-CD1-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH WIDE 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: 9639.6 lumens
Efficiency: N/A
Efficacy: 150.4 lumens/watt
Spacing Criteria (0/90/45): 1.9 / 1.9 / 1.7
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

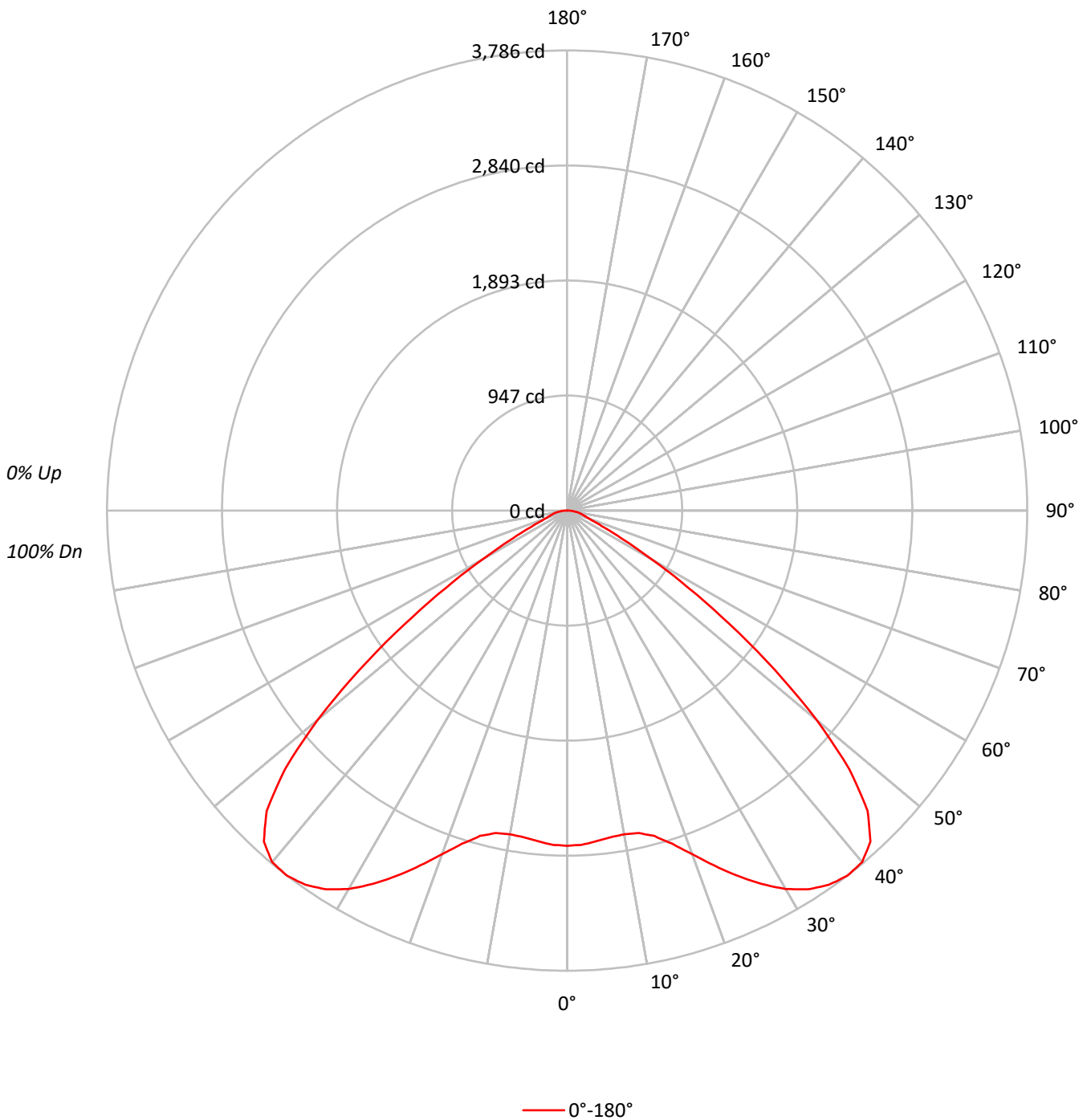
Input Watts (W): 64.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	103	100	108	105	101	99	100	98	95		97	95	93		93	91	90	88
2	102	95	89	84	100	93	88	83	90	85	81		87	83	80		84	81	78	76
3	94	85	77	72	92	83	76	71	80	74	70		77	73	69		75	71	67	65
4	86	75	67	61	84	74	67	61	72	65	60		69	64	59		67	63	59	57
5	79	67	59	53	77	66	59	53	64	57	52		62	56	52		61	55	51	49
6	73	61	52	46	71	60	52	46	58	51	46		56	50	45		55	49	45	43
7	68	55	46	41	66	54	46	40	52	45	40		51	45	40		50	44	40	38
8	63	50	41	36	61	49	41	36	48	41	36		46	40	35		45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32		43	36	32		42	36	31	30
10	54	42	34	29	53	41	34	29	40	33	28		39	33	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	19011
5°	18903
10°	18925
15°	19777
20°	22068
25°	25215
30°	28615
35°	31626
40°	33979
45°	34077
50°	28719
55°	19643
60°	11088
65°	5755
70°	3771
75°	3486
80°	3613
85°	3599



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.8	2.7
10°-20°	799.4	8.3
20°-30°	1540.1	16.0
30°-40°	2345.9	24.3
40°-50°	2614.9	27.1
50°-60°	1488.5	15.4
60°-70°	400.1	4.2
70°-80°	141.4	1.5
80°-90°	49.5	0.5
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°	2599.2	27.0
0°-40°	4945.2	51.3
0°-60°	9048.6	93.9
0°-90°	9639.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9639.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2758	
5°	2732	260
15°	2771	799
25°	3315	1540
35°	3758	2346
45°	3496	2615
55°	1634	1488
65°	353	400
75°	131	141
85°	46	49
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2757.8
2.5°	2751.9
5°	2731.7
7.5°	2711.5
10°	2703.6
12.5°	2716.7
15°	2771.2
17.5°	2873.3
20°	3008.2
22.5°	3160.1
25°	3315.1
27.5°	3463.1
30°	3594.8
32.5°	3694.1
35°	3758.1
37.5°	3785.8
40°	3775.9
42.5°	3693.7
45°	3495.5
47.5°	3149.4
50°	2677.9
52.5°	2153.8
55°	1634.4
57.5°	1179.9
60°	804.2
62.5°	533.2
65°	352.8
67.5°	246.0
70°	187.1
72.5°	153.5
75°	130.9
77.5°	112.7
80°	91.0
82.5°	67.2
85°	45.5
87.5°	23.7
90°	0.0

(END OF REPORT)