

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: P219437

Luminaire Tested: **SSLED-LD5-9-W-UNV-L850-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: P219437
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27260)
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-UPL-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH WIDE DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND. UPLIGHT REFLECTOR ACCESSORY INSTALLED. FIXTURE CENTERED TO LEDS
Light Source: (240) 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8536.5 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Spacing Criteria (0/90/45): 1.87 / 1.87 / 1.66
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

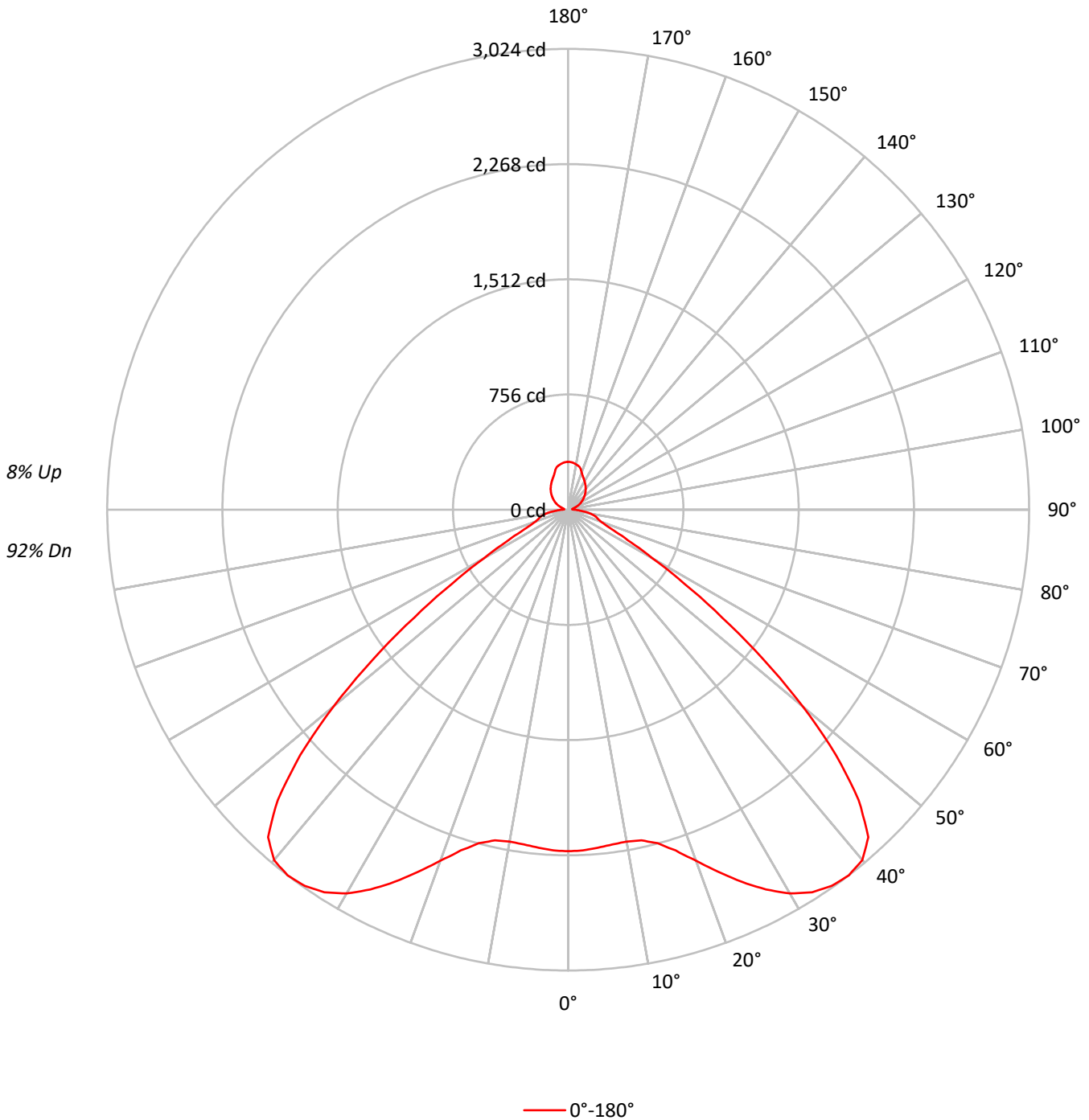
Input Watts (W): 64.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92
1	108	104	100	97	105	101	98	95	95	93	90		90	88	86		85	84	82	80
2	100	92	86	81	96	90	84	80	85	80	77		81	77	74		76	73	71	68
3	91	82	75	69	88	80	73	68	76	70	65		72	67	63		68	65	61	59
4	84	73	65	59	81	71	64	58	68	61	56		64	59	55		61	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49		58	52	48		55	50	46	44
6	71	59	50	44	69	57	50	44	55	48	43		52	46	42		50	45	41	39
7	66	53	45	39	64	52	44	39	50	43	38		48	41	37		46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33		43	37	33		42	36	32	30
9	57	44	36	31	55	43	36	30	41	35	30		40	34	29		38	33	29	27
10	53	40	33	28	51	39	32	27	38	31	27		36	30	26		35	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	15450
5°	15407
10°	15477
15°	16173
20°	17976
25°	20495
30°	23142
35°	25365
40°	27009
45°	26276
50°	21571
55°	14808
60°	8813
65°	5613
70°	4591
75°	5109
80°	5812
85°	6446



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.0	2.5
10°-20°	652.9	7.6
20°-30°	1250.7	14.7
30°-40°	1880.8	22.0
40°-50°	2022.2	23.7
50°-60°	1126.8	13.2
60°-70°	371.7	4.4
70°-80°	200.4	2.3
80°-90°	96.5	1.1
90°-100°	32.2	0.4
100°-110°	41.9	0.5
110°-120°	77.7	0.9
120°-130°	106.4	1.2
130°-140°	123.0	1.4
140°-150°	123.3	1.4
150°-160°	108.1	1.3
160°-170°	80.5	0.9
170°-180°	29.4	0.3
0°-30°	2115.6	24.8
0°-40°	3996.4	46.8
0°-60°	7145.4	83.7
0°-90°	7814.1	91.5
90°-120°	151.7	1.8
90°-150°	504.5	5.9
90°-180°	722.0	8.5
0°-180°	8536.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2241	
5°	2226	212
15°	2266	653
25°	2694	1251
35°	3014	1881
45°	2695	2022
55°	1232	1127
65°	344	372
75°	192	200
85°	82	82
90°	43	24
95°	27	23
105°	38	42
115°	80	78
125°	119	106
135°	160	123
145°	197	123
155°	234	108
165°	290	80
175°	311	29
180°	314	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2241.2
2.5°	2237.6
5°	2226.5
7.5°	2215.5
10°	2211.1
12.5°	2222.2
15°	2266.1
17.5°	2344.8
20°	2450.4
22.5°	2571.1
25°	2694.5
27.5°	2809.6
30°	2907.3
32.5°	2976.1
35°	3014.1
37.5°	3023.6
40°	3001.4
42.5°	2914.4
45°	2695.3
47.5°	2384.0
50°	2011.4
52.5°	1615.0
55°	1232.1
57.5°	904.6
60°	639.2
62.5°	461.2
65°	344.1
67.5°	269.4
70°	227.8
72.5°	206.5
75°	191.8
77.5°	173.6
80°	146.4
82.5°	118.3
85°	81.5
87.5°	60.1
90°	42.7
92.5°	26.9
95°	26.9
97.5°	27.7
100°	30.1
102.5°	33.2
105°	38.0
107.5°	44.7
110°	55.8



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	68.4
115°	79.5
117.5°	89.0
120°	98.5
122.5°	109.2
125°	119.1
127.5°	128.9
130°	139.2
132.5°	149.5
135°	159.8
137.5°	169.3
140°	178.8
142.5°	187.9
145°	197.0
147.5°	205.7
150°	215.2
152.5°	224.3
155°	233.8
157.5°	244.4
160°	258.7
162.5°	276.9
165°	290.3
167.5°	296.7
170°	301.4
172.5°	306.9
175°	311.3
177.5°	313.3
180°	313.7

(END OF REPORT)