

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: P219428

Luminaire Tested: **SSLED-LD5-24-W-UNV-L850-CD2-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: P219428
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-LD5-24-W-UNV-L850-CD2-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: 25084.7 lumens
Efficiency: N/A
Efficacy: 131.6 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

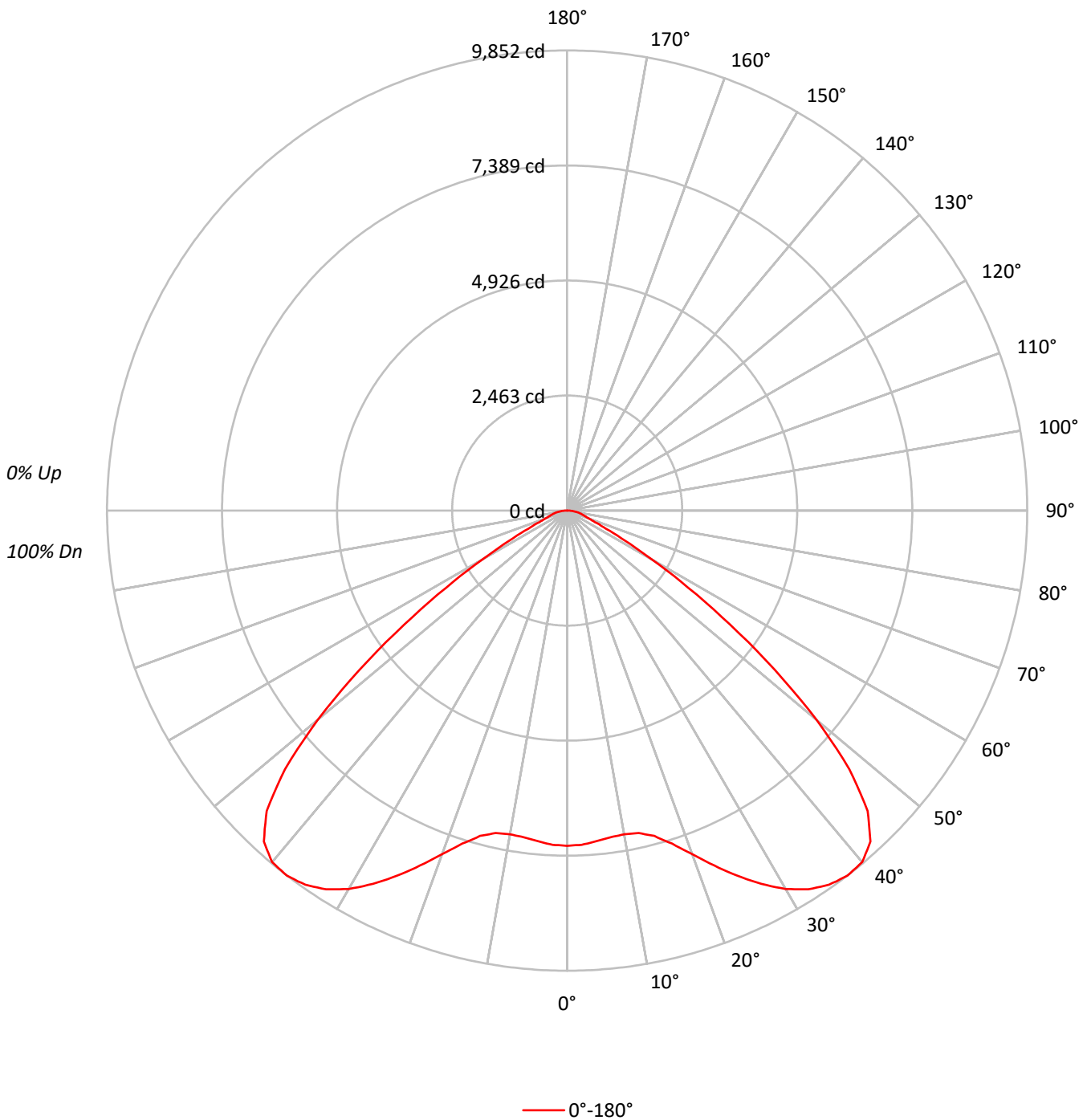
Input Watts (W): 190.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	49471
5°	49190
10°	49247
15°	51466
20°	57426
25°	65617
30°	74462
35°	82300
40°	88422
45°	88677
50°	74733
55°	51117
60°	28851
65°	14977
70°	9814
75°	9074
80°	9397
85°	9365



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	676.0	2.7
10°-20°	2080.1	8.3
20°-30°	4007.7	16.0
30°-40°	6104.7	24.3
40°-50°	6804.6	27.1
50°-60°	3873.4	15.4
60°-70°	1041.1	4.2
70°-80°	368.1	1.5
80°-90°	128.9	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°	6763.8	27.0
0°-40°	12868.5	51.3
0°-60°	23546.6	93.9
0°-90°	25084.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25084.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7176	
5°	7108	676
15°	7211	2080
25°	8627	4008
35°	9780	6105
45°	9096	6805
55°	4253	3873
65°	918	1041
75°	341	368
85°	118	129
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7176.4
2.5°	7161.0
5°	7108.5
7.5°	7056.0
10°	7035.4
12.5°	7069.4
15°	7211.4
17.5°	7477.0
20°	7828.0
22.5°	8223.3
25°	8626.8
27.5°	9011.7
30°	9354.5
32.5°	9612.8
35°	9779.6
37.5°	9851.6
40°	9825.9
42.5°	9611.8
45°	9096.1
47.5°	8195.5
50°	6968.5
52.5°	5604.7
55°	4253.2
57.5°	3070.5
60°	2092.6
62.5°	1387.5
65°	918.2
67.5°	640.2
70°	486.9
72.5°	399.4
75°	340.7
77.5°	293.4
80°	236.7
82.5°	175.0
85°	118.4
87.5°	61.8
90°	0.0

(END OF REPORT)