

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: P219427

Luminaire Tested: **SSLED-LD5-24-W-UNV-L840-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: P219427
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-L840-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) 4000K CCT, 80 CRI LEDs
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24315.6 lumens
Efficiency: N/A
Efficacy: 127.6 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

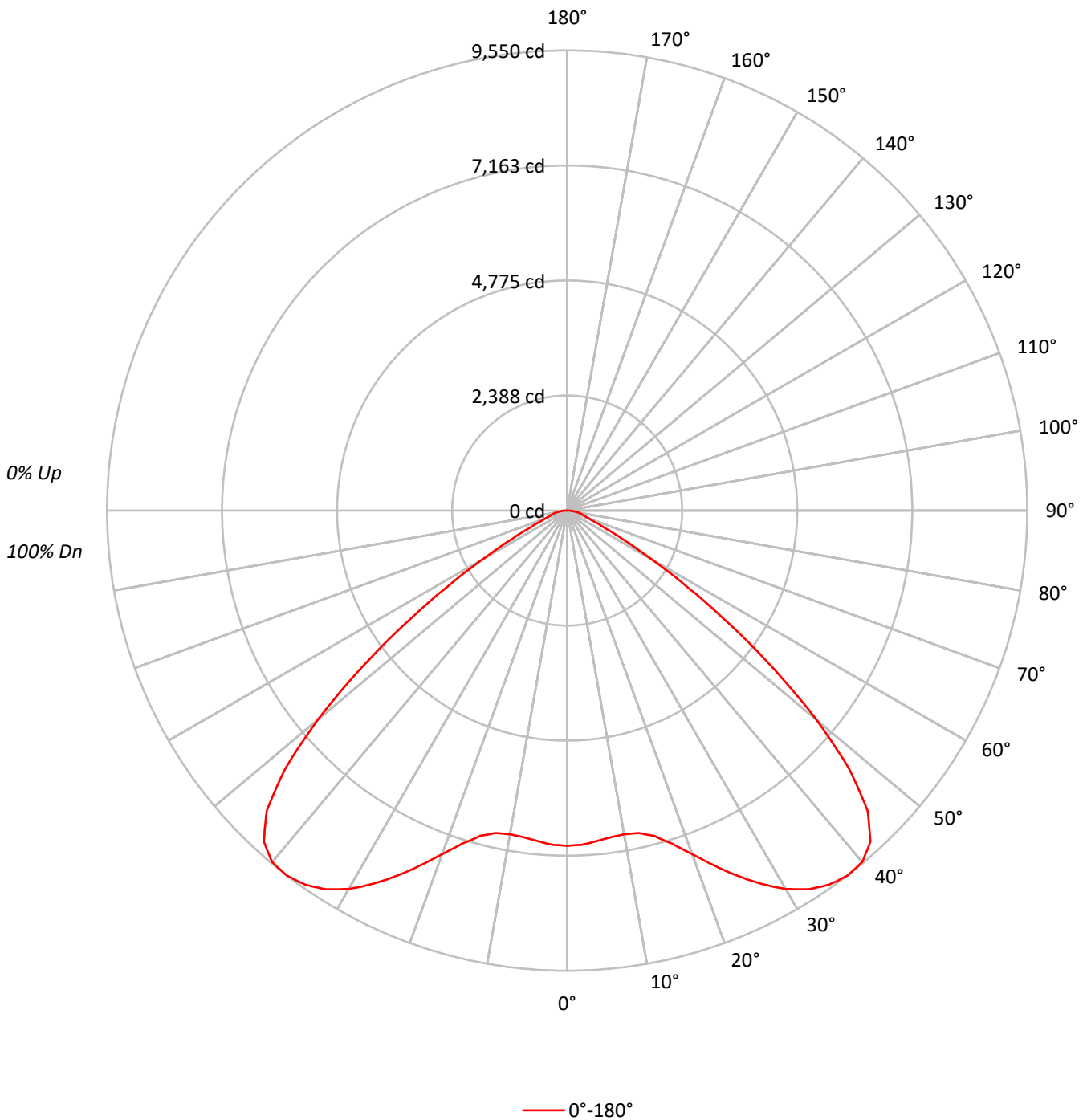
Input Watts (W): 190.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	47954
5°	47682
10°	47737
15°	49888
20°	55665
25°	63605
30°	72179
35°	79777
40°	85712
45°	85959
50°	72443
55°	49550
60°	27967
65°	14517
70°	9511
75°	8797
80°	9111
85°	9072



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	655.3	2.7
10°-20°	2016.4	8.3
20°-30°	3884.9	16.0
30°-40°	5917.6	24.3
40°-50°	6596.1	27.1
50°-60°	3754.6	15.4
60°-70°	1009.2	4.2
70°-80°	356.8	1.5
80°-90°	124.9	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°	6556.5	27.0
0°-40°	12474.1	51.3
0°-60°	22824.7	93.9
0°-90°	24315.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24315.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6956	
5°	6891	655
15°	6990	2016
25°	8362	3885
35°	9480	5918
45°	8817	6596
55°	4123	3755
65°	890	1009
75°	330	357
85°	115	125
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6956.4
2.5°	6941.5
5°	6890.6
7.5°	6839.7
10°	6819.7
12.5°	6852.7
15°	6990.4
17.5°	7247.8
20°	7588.0
22.5°	7971.2
25°	8362.3
27.5°	8735.5
30°	9067.7
32.5°	9318.1
35°	9479.8
37.5°	9549.6
40°	9524.7
42.5°	9317.2
45°	8817.3
47.5°	7944.2
50°	6754.9
52.5°	5432.8
55°	4122.8
57.5°	2976.3
60°	2028.5
62.5°	1345.0
65°	890.0
67.5°	620.6
70°	471.9
72.5°	387.1
75°	330.3
77.5°	284.4
80°	229.5
82.5°	169.6
85°	114.7
87.5°	59.9
90°	0.0

(END OF REPORT)