

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: P219302

Luminaire Tested: **SSLED-LD5-24-N-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: P219302
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27366)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SSLED-LD5-24-N-UNV-L850-CD2-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH NARROW 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: 24917.9 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.84
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

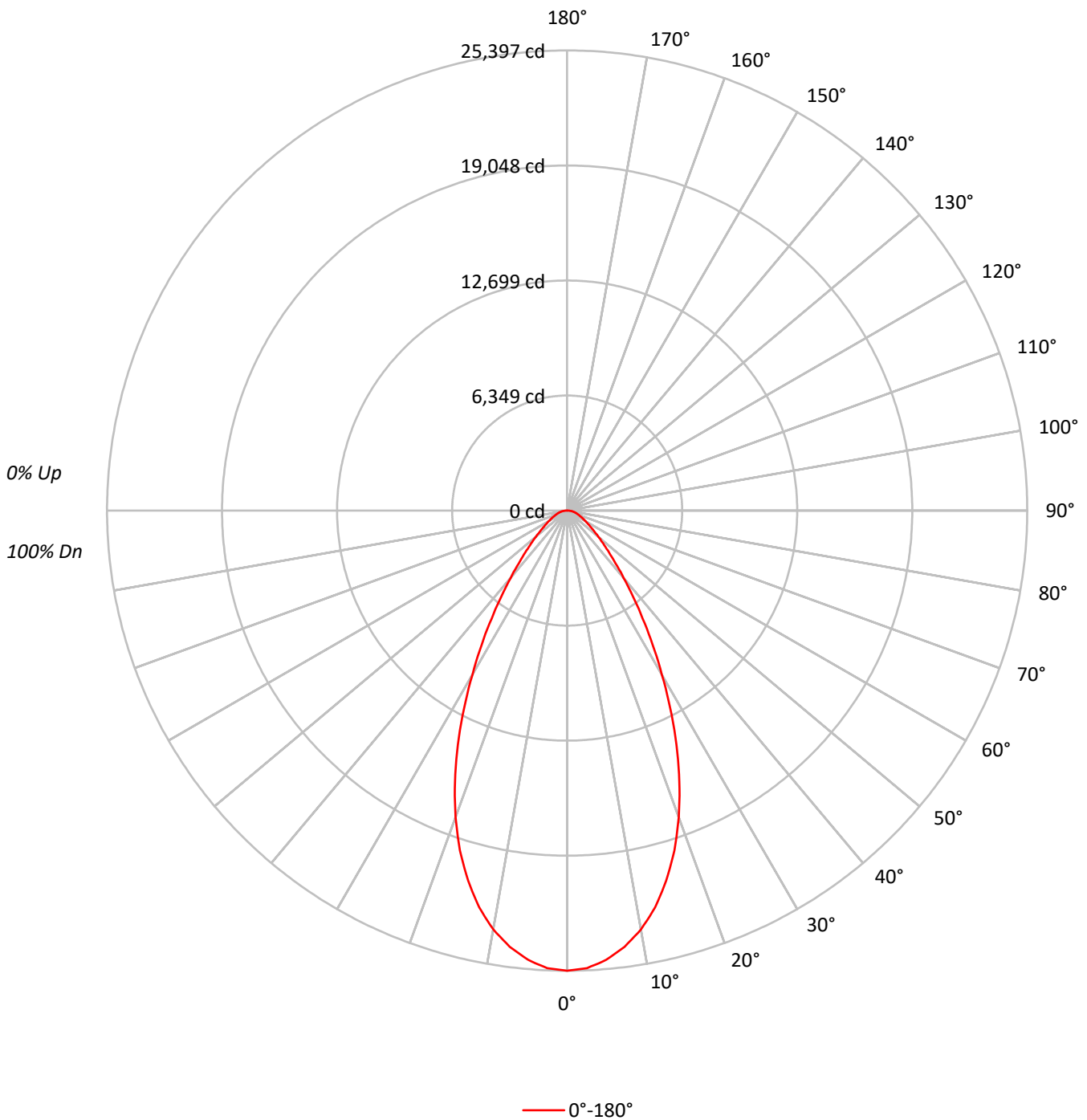
Input Watts (W): 190.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	95	90	103	98	93	89	94	91	87		91	88	86		88	86	84	82
3	99	91	85	81	97	90	84	80	87	83	79		85	81	77		82	79	76	75
4	93	84	78	73	91	83	77	72	81	76	72		79	74	71		77	73	70	68
5	88	78	71	66	86	77	71	66	75	70	65		73	69	65		72	68	64	63
6	83	73	66	61	81	72	65	61	70	65	60		69	64	60		67	63	59	58
7	78	68	61	56	77	67	61	56	66	60	56		65	59	56		63	59	55	54
8	74	64	57	52	73	63	57	52	62	56	52		61	55	52		60	55	51	50
9	70	60	53	49	69	59	53	49	58	52	48		57	52	48		56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45		54	49	45		53	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	175074
5°	172203
10°	164301
15°	150867
20°	132101
25°	108507
30°	83246
35°	61131
40°	43665
45°	31750
50°	24098
55°	19113
60°	16051
65°	14289
70°	13341
75°	13078
80°	13446
85°	14656



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2330.6	9.4
10°-20°	5872.7	23.6
20°-30°	6494.3	26.1
30°-40°	4585.7	18.4
40°-50°	2580.7	10.4
50°-60°	1456.4	5.8
60°-70°	880.1	3.5
70°-80°	522.6	2.1
80°-90°	194.9	0.8
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°	14697.6	59.0
0°-40°	19283.3	77.4
0°-60°	23320.3	93.6
0°-90°	24917.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24917.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	25397	
5°	24885	###
15°	21140	5873
25°	14266	6494
35°	7264	4586
45°	3257	2581
55°	1590	1456
65°	876	880
75°	491	523
85°	185	195
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	25396.9
2.5°	25274.4
5°	24885.3
7.5°	24283.2
10°	23472.0
12.5°	22430.4
15°	21139.6
17.5°	19675.8
20°	18007.3
22.5°	16188.4
25°	14265.6
27.5°	12327.4
30°	10458.1
32.5°	8774.1
35°	7264.1
37.5°	5944.4
40°	4852.3
42.5°	3966.0
45°	3256.8
47.5°	2697.9
50°	2247.0
52.5°	1882.7
55°	1590.3
57.5°	1355.6
60°	1164.2
62.5°	1007.7
65°	876.0
67.5°	762.7
70°	661.9
72.5°	573.3
75°	491.0
77.5°	415.9
80°	338.7
82.5°	262.5
85°	185.3
87.5°	98.8
90°	0.0

(END OF REPORT)