

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: P219365

Luminaire Tested: **SSLED-LD5-24-M-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: P219365
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27367)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SSLED-LD5-24-M-UNV-L850-CD2-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH MEDIUM 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: 25353.3 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.2
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

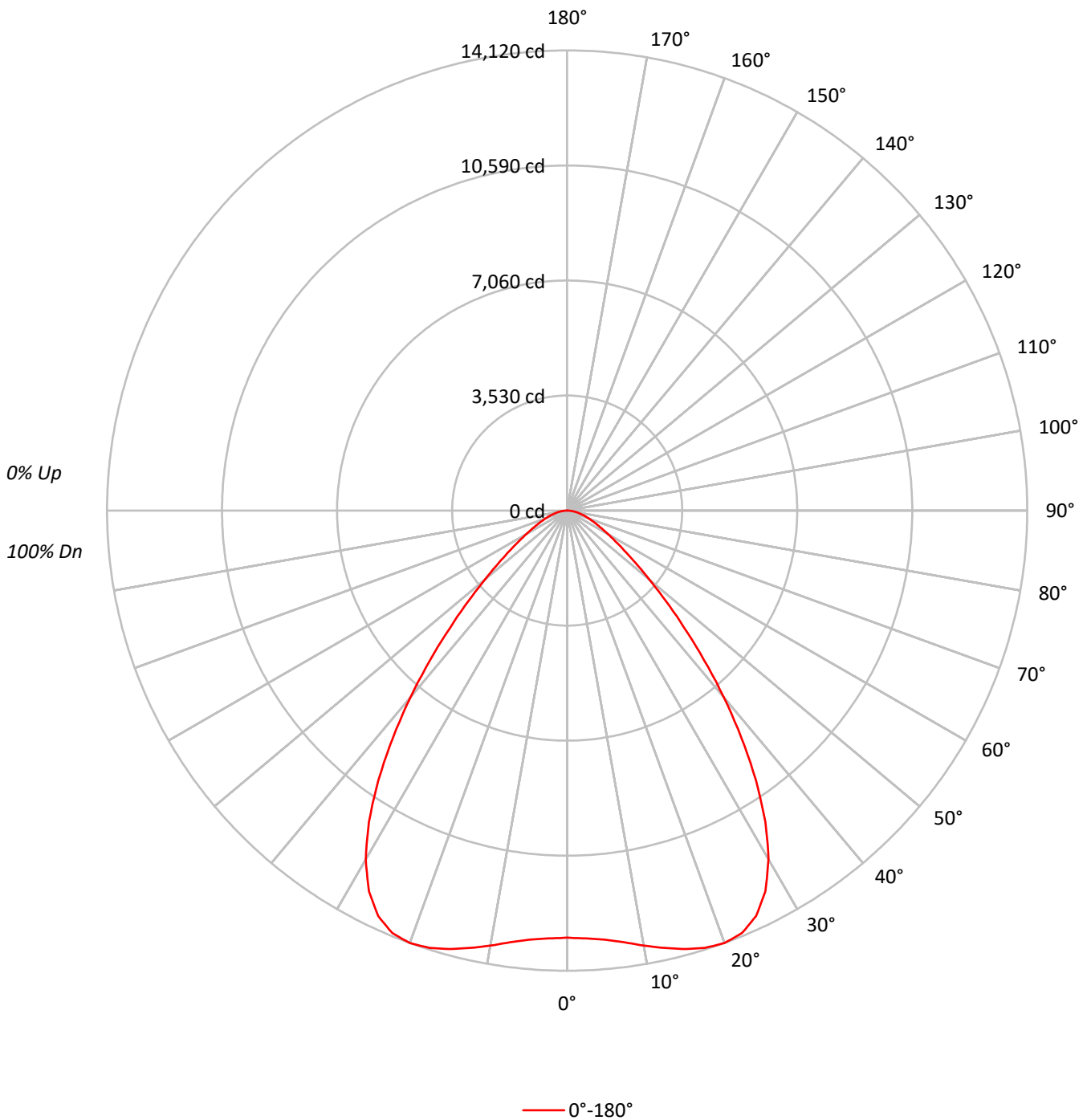
Input Watts (W): 190.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63
5	84	74	66	61	82	73	66	60	71	64	60	69	63	59	67	62	59	57
6	79	67	60	55	77	67	60	54	65	59	54	63	58	54	62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49	59	53	49	57	52	48	47
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	90320
5°	91463
10°	94869
15°	99404
20°	103584
25°	104378
30°	98361
35°	84906
40°	67256
45°	49441
50°	35268
55°	25793
60°	19982
65°	16421
70°	14169
75°	12747
80°	11850
85°	11152



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1272.4	5.0
10°-20°	3947.5	15.6
20°-30°	6243.1	24.6
30°-40°	6237.1	24.6
40°-50°	3976.7	15.7
50°-60°	1984.9	7.8
60°-70°	1020.2	4.0
70°-80°	513.9	2.0
80°-90°	157.4	0.6
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°	11463.0	45.2
0°-40°	17700.2	69.8
0°-60°	23661.8	93.3
0°-90°	25353.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25353.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13102	
5°	13217	###
15°	13929	3947
25°	13723	6243
35°	10089	6237
45°	5071	3977
55°	2146	1985
65°	1007	1020
75°	479	514
85°	141	157
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13102.1
2.5°	13139.1
5°	13217.4
7.5°	13357.4
10°	13552.9
12.5°	13746.4
15°	13928.6
17.5°	14069.6
20°	14120.1
22.5°	14025.4
25°	13722.8
27.5°	13169.0
30°	12356.9
32.5°	11318.3
35°	10089.3
37.5°	8778.0
40°	7473.8
42.5°	6220.1
45°	5071.4
47.5°	4096.7
50°	3288.6
52.5°	2647.4
55°	2146.1
57.5°	1757.0
60°	1449.3
62.5°	1204.3
65°	1006.7
67.5°	843.0
70°	703.0
72.5°	582.6
75°	478.6
77.5°	387.0
80°	298.5
82.5°	218.2
85°	141.0
87.5°	70.0
90°	0.0

(END OF REPORT)