

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: P219407

Luminaire Tested: **SSLED-LD5-24-M-UNV-L850-CD2-SA23-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: P219407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27262)
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-SA23-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH MEDIUM DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND. SHROUD 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: 23944.3 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.15
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

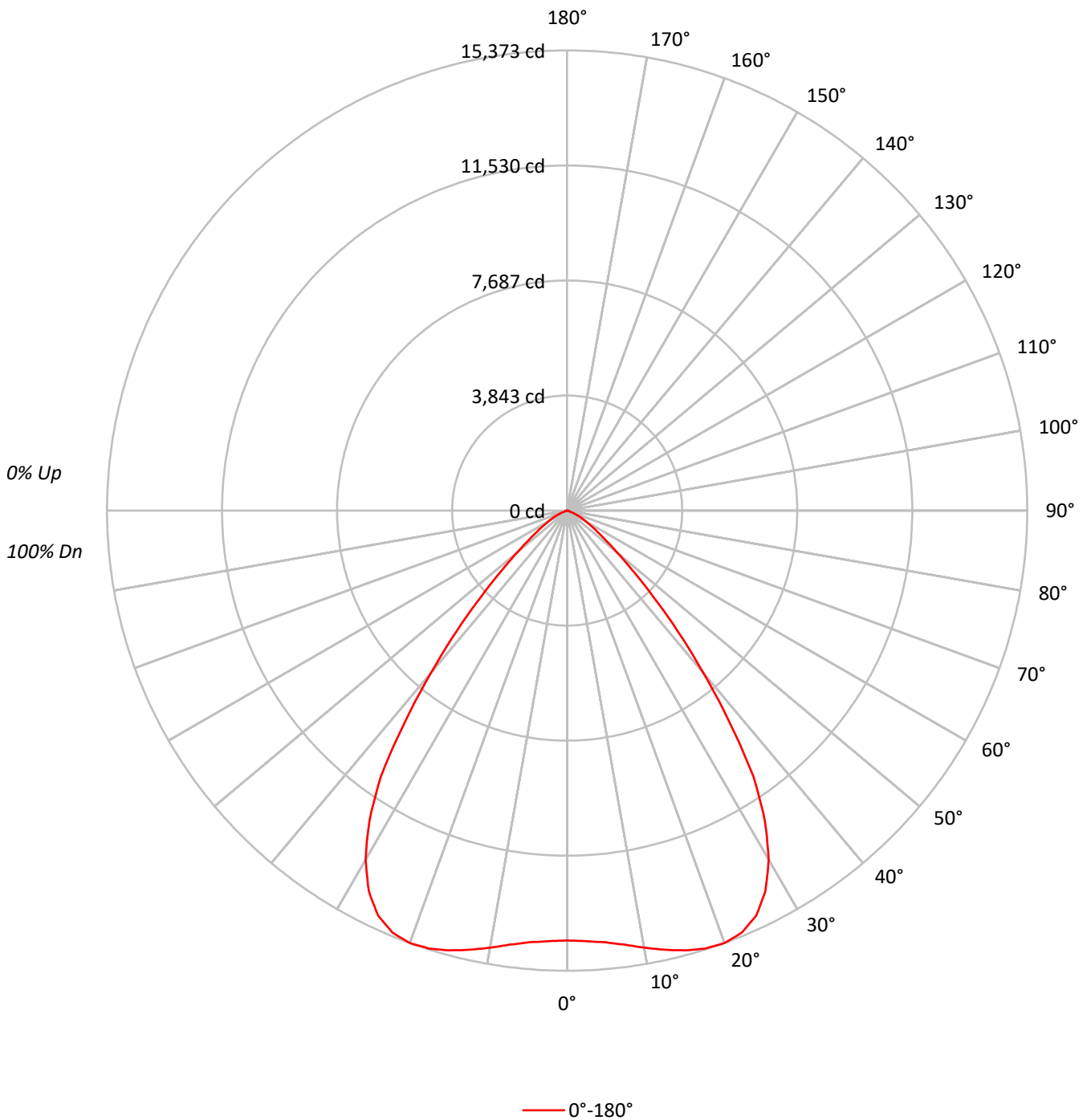
Input Watts (W): 190.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	100	95	92	104	98	94	91	95	92	88		92	89	87		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	80	77	75
4	93	84	78	73	91	83	77	72	81	76	72		79	74	71		77	73	70	68
5	87	78	71	66	86	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66	62	58	56
7	77	66	59	54	76	66	59	54	64	58	54		63	58	54		62	57	53	52
8	72	61	55	50	71	61	54	50	60	54	49		59	53	49		58	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46		55	49	45		54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42		51	46	42		50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	98991
5°	100174
10°	103768
15°	108558
20°	112774
25°	113609
30°	107185
35°	91342
40°	63458
45°	39627
50°	23270
55°	14721
60°	9963
65°	6330
70°	1764
75°	1207
80°	1227
85°	1629



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1393.1	5.8
10°-20°	4308.3	18.0
20°-30°	6797.0	28.4
30°-40°	6566.1	27.4
40°-50°	3260.0	13.6
50°-60°	1160.9	4.8
60°-70°	386.5	1.6
70°-80°	52.2	0.2
80°-90°	20.2	0.1
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°	12498.4	52.2
0°-40°	19064.5	79.6
0°-60°	23485.4	98.1
0°-90°	23944.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23944.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14360	
5°	14476	###
15°	15211	4308
25°	14936	6797
35°	10854	6566
45°	4065	3260
55°	1225	1161
65°	388	386
75°	45	52
85°	21	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14359.9
2.5°	14397.0
5°	14476.3
7.5°	14624.5
10°	14824.2
12.5°	15024.9
15°	15211.2
17.5°	15340.9
20°	15372.8
22.5°	15257.5
25°	14936.4
27.5°	14344.5
30°	13465.5
32.5°	12299.3
35°	10854.1
37.5°	8907.7
40°	7051.8
42.5°	5470.8
45°	4064.8
47.5°	2961.3
50°	2169.8
52.5°	1617.1
55°	1224.9
57.5°	941.8
60°	722.6
62.5°	546.6
65°	388.1
67.5°	233.7
70°	87.5
72.5°	56.6
75°	45.3
77.5°	37.1
80°	30.9
82.5°	26.8
85°	20.6
87.5°	11.3
90°	0.0

(END OF REPORT)