

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: P219343

Luminaire Tested: **SSLED-LD5-24-N-UNV-L840-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: P219343
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27261)
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-L840-CD2-SA23-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH NARROW DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND. SHROUD ACCESSORY INSTALLED. FIXTURE CENTERED TO LEDS
Light Source: (240) 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22857.9 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.86
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

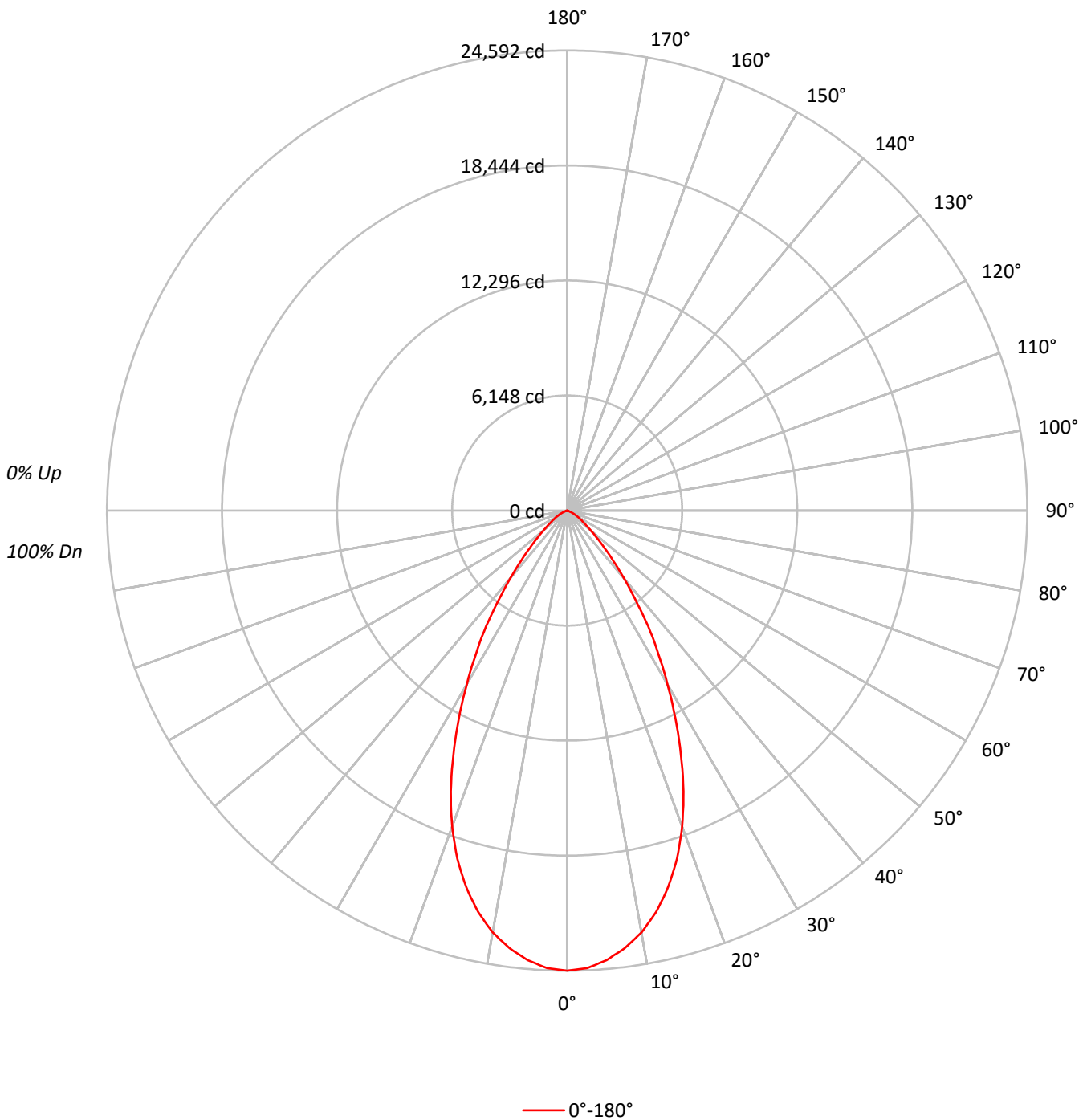
Input Watts (W): 190.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	107	105	111	108	106	103	104	102	100		100	99	97		97	96	94	93
2	107	102	97	94	105	100	96	93	97	93	91		94	91	89		91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	82		88	84	81		85	82	80	78
4	95	87	81	77	94	86	81	76	84	79	76		82	78	75		80	77	74	72
5	90	81	75	70	89	80	74	70	78	73	69		77	72	69		75	71	68	67
6	85	76	69	65	84	75	69	65	74	68	64		72	67	64		71	67	63	62
7	81	71	65	60	79	70	64	60	69	64	60		68	63	59		67	62	59	57
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59	55	52	50
10	69	59	53	49	68	59	53	49	58	52	49		57	52	49		56	52	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	169529
5°	166877
10°	160229
15°	148751
20°	131801
25°	109366
30°	85409
35°	63511
40°	42316
45°	27392
50°	17677
55°	12027
60°	8349
65°	5339
70°	1467
75°	956
80°	949
85°	1345



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2263.3	9.9
10°-20°	5793.3	25.3
20°-30°	6554.5	28.7
30°-40°	4682.0	20.5
40°-50°	2250.1	9.8
50°-60°	931.2	4.1
60°-70°	324.2	1.4
70°-80°	41.9	0.2
80°-90°	17.4	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°	14611.1	63.9
0°-40°	19293.1	84.4
0°-60°	22474.4	98.3
0°-90°	22857.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22857.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24592	
5°	24116	###
15°	20843	5793
25°	14379	6555
35°	7547	4682
45°	2810	2250
55°	1001	931
65°	327	324
75°	36	42
85°	17	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	24592.5
2.5°	24471.8
5°	24115.6
7.5°	23589.8
10°	22890.3
12.5°	21969.4
15°	20843.0
17.5°	19510.0
20°	17966.5
22.5°	16248.3
25°	14378.6
27.5°	12524.7
30°	10729.8
32.5°	9069.5
35°	7547.0
37.5°	5955.6
40°	4702.4
42.5°	3654.8
45°	2809.7
47.5°	2148.2
50°	1648.3
52.5°	1280.1
55°	1000.7
57.5°	783.2
60°	605.6
62.5°	458.0
65°	327.3
67.5°	195.6
70°	72.8
72.5°	45.9
75°	35.9
77.5°	28.9
80°	23.9
82.5°	21.0
85°	17.0
87.5°	14.0
90°	0.0

(END OF REPORT)