

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: P219342

Luminaire Tested: **SSLED-LD5-24-N-UNV-L835-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: P219342
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-L835-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) 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21372.1 lumens
Efficiency: N/A
Efficacy: 112.1 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

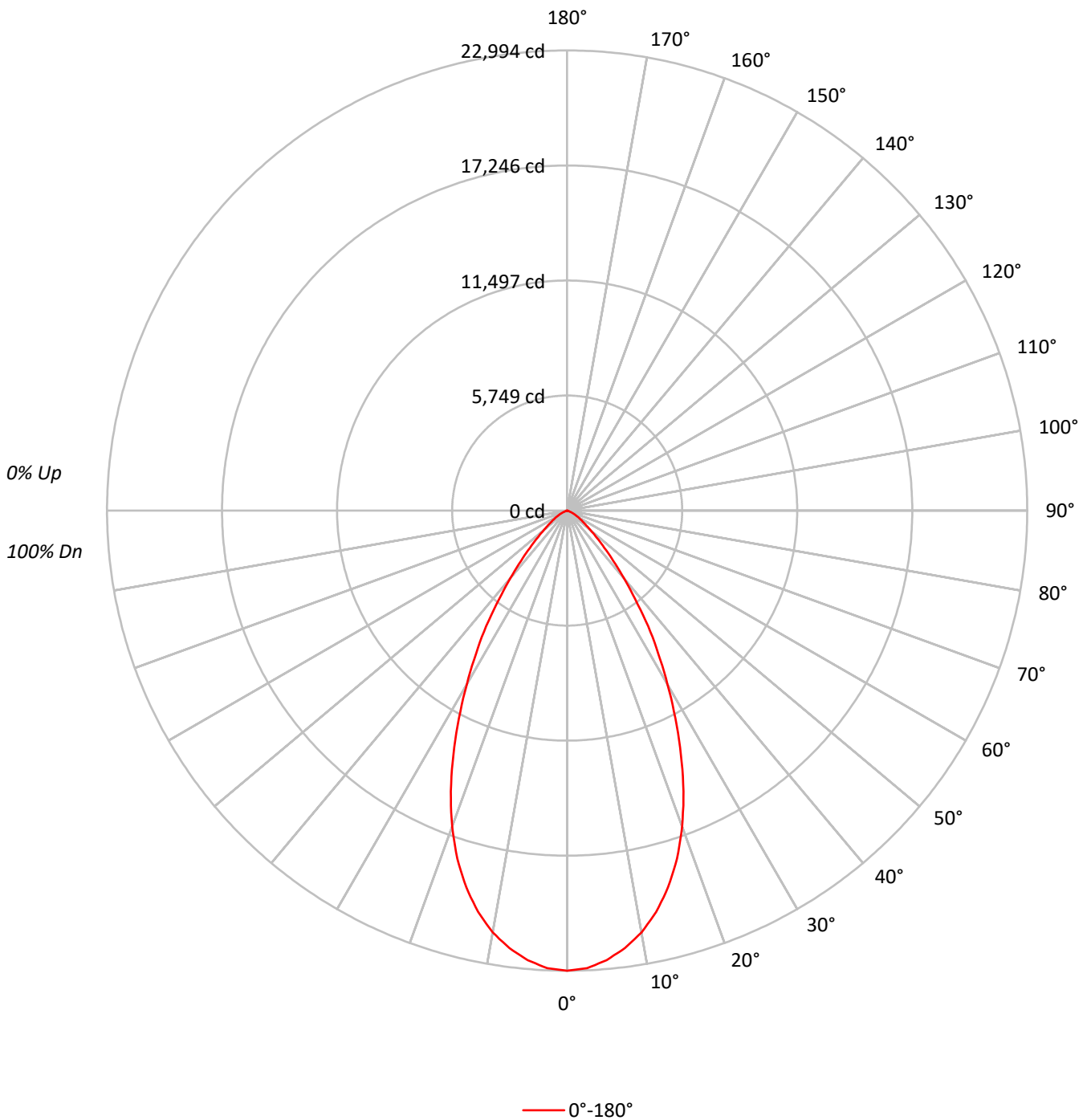
Input Watts (W): 190.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	158510
5°	156030
10°	149815
15°	139082
20°	123234
25°	102257
30°	79858
35°	59383
40°	39565
45°	25610
50°	16527
55°	11246
60°	7808
65°	4991
70°	1373
75°	895
80°	889
85°	1258



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2116.2	9.9
10°-20°	5416.7	25.3
20°-30°	6128.5	28.7
30°-40°	4377.6	20.5
40°-50°	2103.8	9.8
50°-60°	870.7	4.1
60°-70°	303.1	1.4
70°-80°	39.2	0.2
80°-90°	16.3	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°	13661.3	63.9
0°-40°	18039.0	84.4
0°-60°	21013.5	98.3
0°-90°	21372.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	21372.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22994	
5°	22548	###
15°	19488	5417
25°	13444	6128
35°	7056	4378
45°	2627	2104
55°	936	871
65°	306	303
75°	34	39
85°	16	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	22994.0
2.5°	22881.1
5°	22548.1
7.5°	22056.4
10°	21402.5
12.5°	20541.4
15°	19488.2
17.5°	18241.8
20°	16798.6
22.5°	15192.2
25°	13443.9
27.5°	11710.6
30°	10032.4
32.5°	8480.0
35°	7056.4
37.5°	5568.4
40°	4396.7
42.5°	3417.2
45°	2627.0
47.5°	2008.5
50°	1541.1
52.5°	1196.9
55°	935.7
57.5°	732.3
60°	566.3
62.5°	428.2
65°	306.0
67.5°	182.8
70°	68.1
72.5°	42.9
75°	33.6
77.5°	27.1
80°	22.4
82.5°	19.6
85°	15.9
87.5°	13.1
90°	0.0

(END OF REPORT)