

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: P219321

Luminaire Tested: **SSLED-LD5-24-N-UNV-L835-CD2-UPL-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: P219321
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27258)
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-UPL-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH NARROW DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND. UPLIGHT REFLECTOR 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: 19520.3 lumens
Efficiency: N/A
Efficacy: 102.4 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

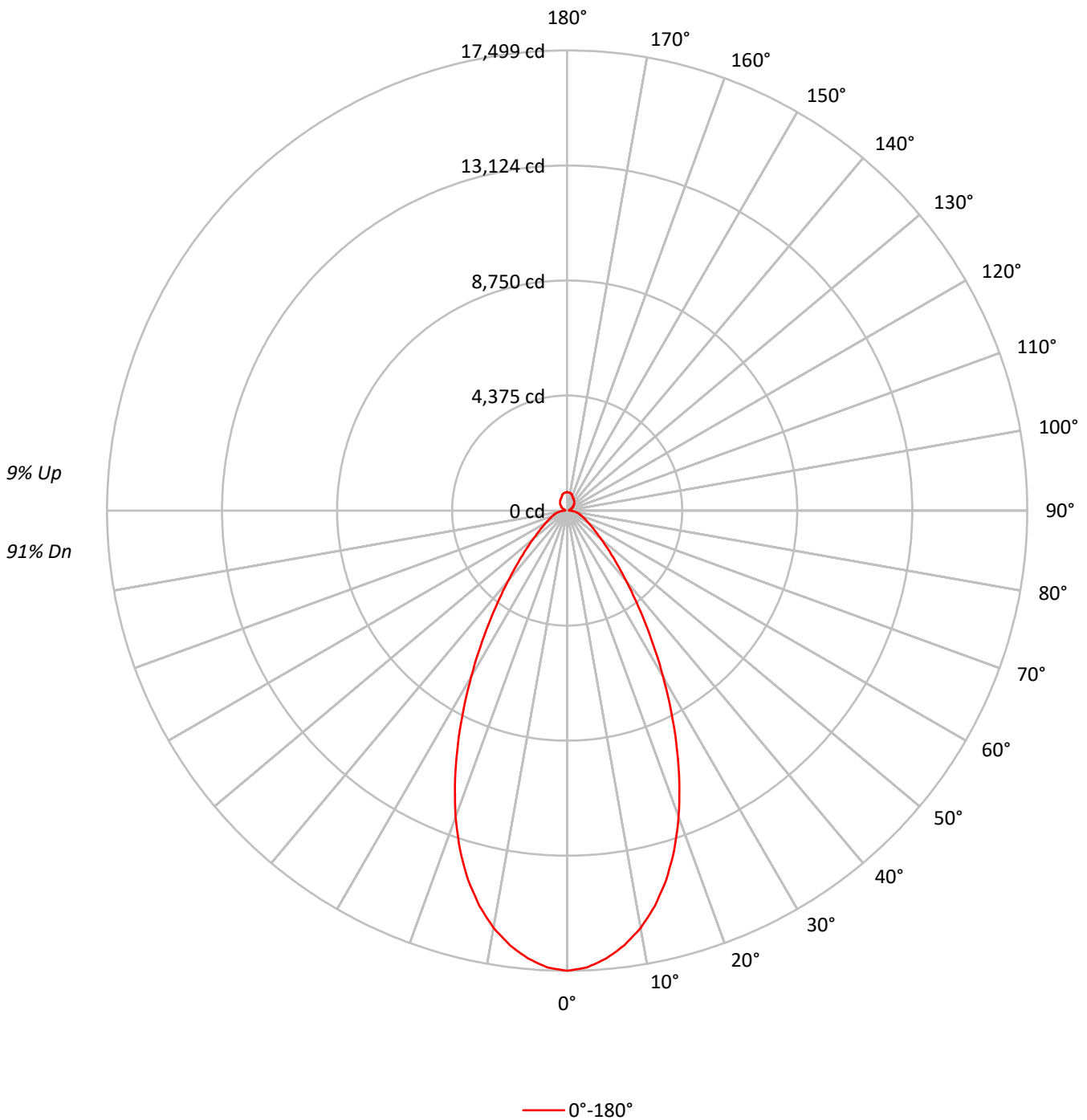
Input Watts (W): 190.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	91
1	109	106	103	100	106	103	100	97	97	95	93	92	90	88	87	86	84	82
2	102	96	91	87	99	94	89	85	89	85	82	85	82	79	80	78	76	74
3	96	88	82	77	93	86	80	76	82	77	73	78	74	71	75	72	69	67
4	90	81	74	69	87	79	73	68	76	70	66	72	68	64	69	66	63	61
5	84	74	67	62	82	73	66	62	70	65	60	67	63	59	65	61	58	56
6	79	69	62	57	77	68	61	56	65	60	55	63	58	54	61	56	53	51
7	75	64	57	52	73	63	57	52	61	55	51	59	54	50	57	53	49	48
8	71	60	53	48	69	59	53	48	57	51	47	55	50	47	54	49	46	44
9	67	56	49	45	65	55	49	45	54	48	44	52	47	43	51	46	43	41
10	64	53	46	42	62	52	46	42	51	45	41	49	44	41	48	43	40	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	120633
5°	118299
10°	112797
15°	103803
20°	90953
25°	74840
30°	58026
35°	43031
40°	31339
45°	23410
50°	18079
55°	14789
60°	12913
65°	11899
70°	11676
75°	12473
80°	13740
85°	15495



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1601.0	8.2
10°-20°	4038.2	20.7
20°-30°	4485.3	23.0
30°-40°	3230.0	16.5
40°-50°	1893.2	9.7
50°-60°	1124.3	5.8
60°-70°	732.6	3.8
70°-80°	492.1	2.5
80°-90°	231.9	1.2
90°-100°	81.9	0.4
100°-110°	102.2	0.5
110°-120°	185.7	1.0
120°-130°	251.9	1.3
130°-140°	290.8	1.5
140°-150°	287.7	1.5
150°-160°	245.9	1.3
160°-170°	180.1	0.9
170°-180°	65.5	0.3
0°-30°	10124.5	51.9
0°-40°	13354.5	68.4
0°-60°	16372.0	83.9
0°-90°	17828.6	91.3
90°-120°	369.8	1.9
90°-150°	1200.2	6.1
90°-180°	1692.0	8.7
0°-180°	19520.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17499	
5°	17096	###
15°	14545	4038
25°	9839	4485
35°	5113	3230
45°	2401	1893
55°	1230	1124
65°	730	733
75°	468	492
85°	196	197
90°	106	59
95°	69	58
105°	91	102
115°	189	186
125°	281	252
135°	377	291
145°	460	288
155°	531	246
165°	649	180
175°	693	65
180°	701	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17499.4
2.5°	17391.2
5°	17095.5
7.5°	16671.0
10°	16114.1
12.5°	15398.5
15°	14544.9
17.5°	13540.2
20°	12398.3
22.5°	11147.3
25°	9839.4
27.5°	8534.2
30°	7289.7
32.5°	6143.2
35°	5113.3
37.5°	4222.3
40°	3482.5
42.5°	2882.7
45°	2401.3
47.5°	2007.6
50°	1685.8
52.5°	1430.1
55°	1230.5
57.5°	1069.1
60°	936.6
62.5°	824.7
65°	729.5
67.5°	649.3
70°	579.3
72.5°	522.4
75°	468.3
77.5°	410.5
80°	346.1
82.5°	280.8
85°	195.9
87.5°	148.3
90°	106.4
92.5°	68.1
95°	69.0
97.5°	71.8
100°	76.5
102.5°	82.1
105°	91.4
107.5°	108.2
110°	134.3



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	164.2
115°	189.4
117.5°	212.7
120°	235.1
122.5°	257.5
125°	280.8
127.5°	305.1
130°	331.2
132.5°	354.5
135°	376.9
137.5°	399.3
140°	420.7
142.5°	441.3
145°	459.9
147.5°	478.6
150°	495.4
152.5°	512.2
155°	530.8
157.5°	553.2
160°	582.1
162.5°	619.4
165°	649.3
167.5°	662.4
170°	673.6
172.5°	683.8
175°	693.1
177.5°	697.8
180°	700.6

(END OF REPORT)