

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: P219318

Luminaire Tested: **SSLED-LD5-18-N-UNV-L835-CD1-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: P219318
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-LD5-18-N-UNV-L835-CD1-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: 14568.0 lumens
Efficiency: N/A
Efficacy: 108.9 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

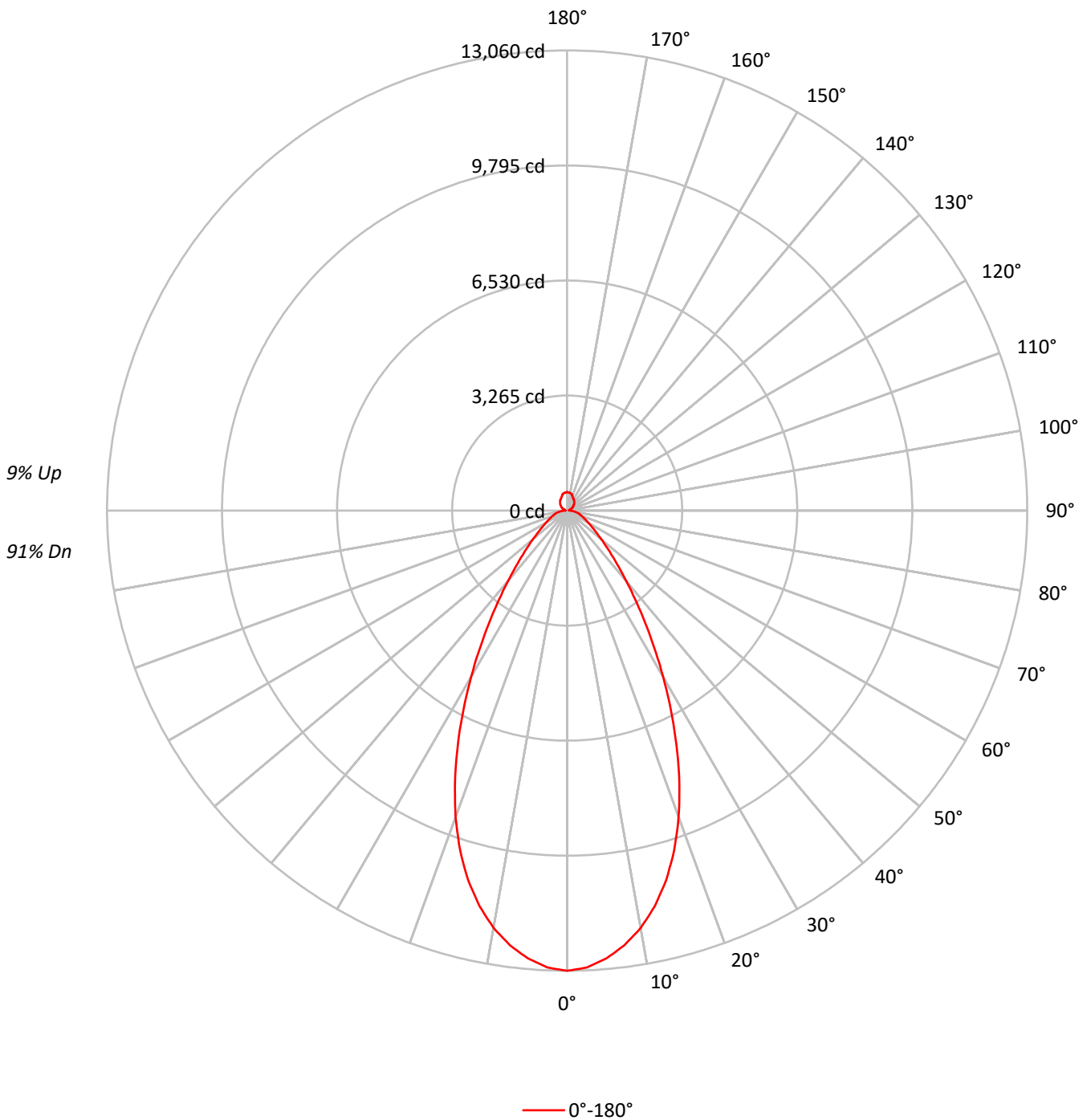
Input Watts (W): 133.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	90028
5°	88286
10°	84179
15°	77468
20°	67878
25°	55853
30°	43305
35°	32113
40°	23388
45°	17471
50°	13492
55°	11037
60°	9637
65°	8880
70°	8715
75°	9309
80°	10254
85°	11564



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1194.8	8.2
10°-20°	3013.7	20.7
20°-30°	3347.4	23.0
30°-40°	2410.5	16.5
40°-50°	1412.9	9.7
50°-60°	839.1	5.8
60°-70°	546.8	3.8
70°-80°	367.2	2.5
80°-90°	173.1	1.2
90°-100°	61.2	0.4
100°-110°	76.3	0.5
110°-120°	138.6	1.0
120°-130°	188.0	1.3
130°-140°	217.0	1.5
140°-150°	214.7	1.5
150°-160°	183.5	1.3
160°-170°	134.4	0.9
170°-180°	48.9	0.3
0°-30°	7555.9	51.9
0°-40°	9966.4	68.4
0°-60°	12218.4	83.9
0°-90°	13305.5	91.3
90°-120°	276.0	1.9
90°-150°	895.7	6.1
90°-180°	1262.0	8.7
0°-180°	14568.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13060	
5°	12758	###
15°	10855	3014
25°	7343	3347
35°	3816	2411
45°	1792	1413
55°	918	839
65°	544	547
75°	350	367
85°	146	147
90°	79	44
95°	52	43
105°	68	76
115°	141	139
125°	210	188
135°	281	217
145°	343	215
155°	396	184
165°	485	134
175°	517	49
180°	523	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13059.7
2.5°	12979.0
5°	12758.3
7.5°	12441.5
10°	12025.8
12.5°	11491.8
15°	10854.8
17.5°	10105.0
20°	9252.8
22.5°	8319.2
25°	7343.1
27.5°	6369.0
30°	5440.3
32.5°	4584.6
35°	3816.0
37.5°	3151.1
40°	2599.0
42.5°	2151.3
45°	1792.1
47.5°	1498.3
50°	1258.1
52.5°	1067.3
55°	918.3
57.5°	797.9
60°	699.0
62.5°	615.5
65°	544.4
67.5°	484.6
70°	432.4
72.5°	389.9
75°	349.5
77.5°	306.3
80°	258.3
82.5°	209.6
85°	146.2
87.5°	110.7
90°	79.4
92.5°	50.8
95°	51.5
97.5°	53.6
100°	57.1
102.5°	61.3
105°	68.2
107.5°	80.8
110°	100.3



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	122.5
115°	141.3
117.5°	158.7
120°	175.4
122.5°	192.2
125°	209.6
127.5°	227.7
130°	247.2
132.5°	264.6
135°	281.3
137.5°	298.0
140°	314.0
142.5°	329.3
145°	343.2
147.5°	357.2
150°	369.7
152.5°	382.2
155°	396.2
157.5°	412.9
160°	434.4
162.5°	462.3
165°	484.6
167.5°	494.3
170°	502.7
172.5°	510.3
175°	517.3
177.5°	520.8
180°	522.9

(END OF REPORT)