

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: P219444

Luminaire Tested: **SSLED-LD5-18-W-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: P219444
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27260)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SSLED-LD5-18-W-UNV-L835-CD1-UPL-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH WIDE 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: 15025.3 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 1.87 / 1.87 / 1.66
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

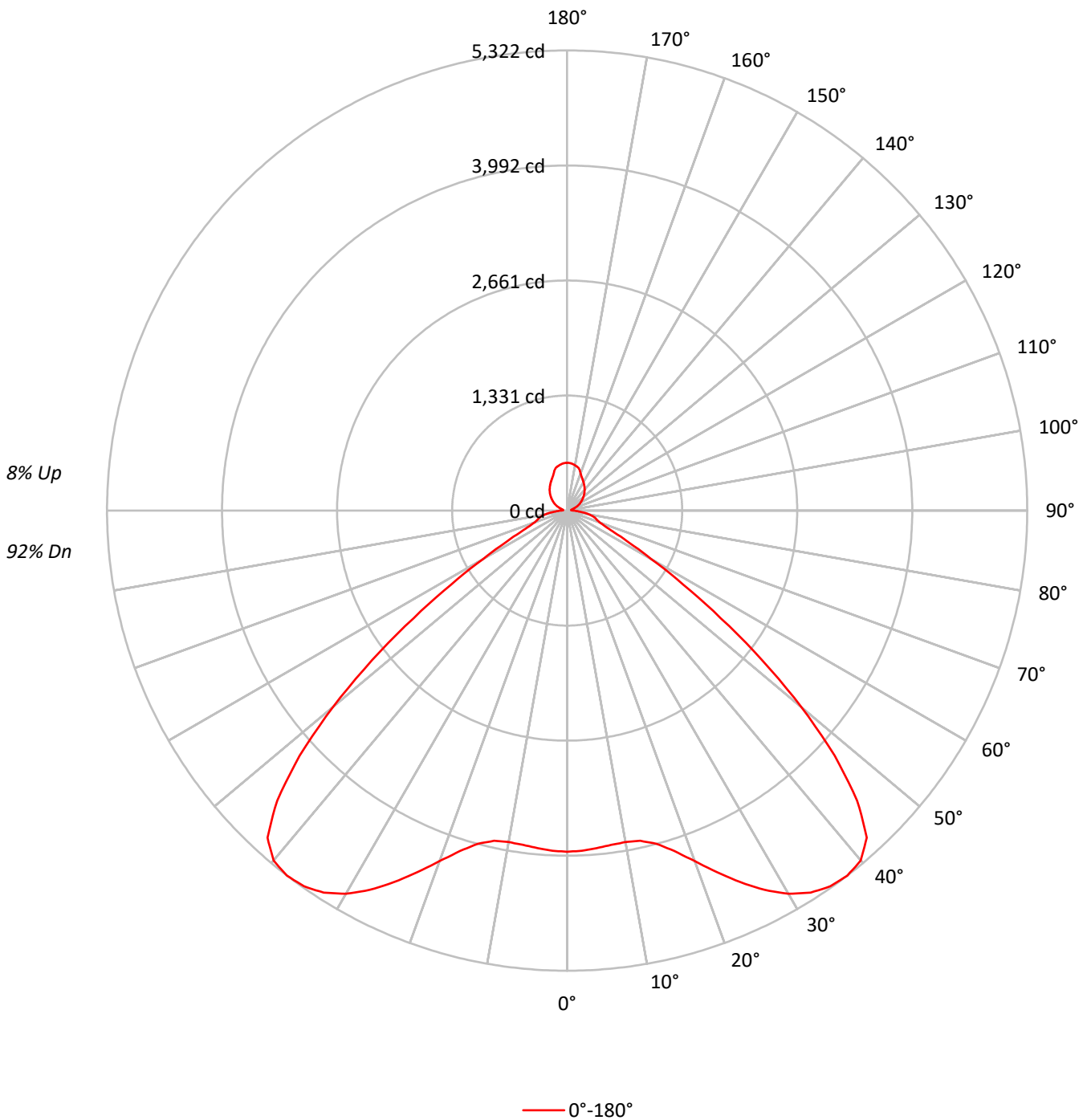
Input Watts (W): 133.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92
1	108	104	100	97	105	101	98	95	95	93	90	90	88	86	85	84	82	80
2	100	92	86	81	96	90	84	80	85	80	77	81	77	74	76	73	71	68
3	91	82	75	69	88	80	73	68	76	70	65	72	67	63	68	65	61	59
4	84	73	65	59	81	71	64	58	68	61	56	64	59	55	61	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49	58	52	48	55	50	46	44
6	71	59	50	44	69	57	50	44	55	48	43	52	46	42	50	45	41	39
7	66	53	45	39	64	52	44	39	50	43	38	48	41	37	46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	43	37	33	42	36	32	30
9	57	44	36	31	55	43	36	30	41	35	30	40	34	29	38	33	29	27
10	53	40	33	28	51	39	32	27	38	31	27	36	30	26	35	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	27194
5°	27119
10°	27243
15°	28466
20°	31641
25°	36073
30°	40733
35°	44646
40°	47540
45°	46249
50°	37968
55°	26065
60°	15512
65°	9880
70°	8082
75°	8994
80°	10226
85°	11342



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.1	2.5
10°-20°	1149.2	7.6
20°-30°	2201.4	14.7
30°-40°	3310.4	22.0
40°-50°	3559.3	23.7
50°-60°	1983.3	13.2
60°-70°	654.3	4.4
70°-80°	352.8	2.3
80°-90°	169.9	1.1
90°-100°	56.6	0.4
100°-110°	73.8	0.5
110°-120°	136.7	0.9
120°-130°	187.4	1.2
130°-140°	216.6	1.4
140°-150°	216.9	1.4
150°-160°	190.3	1.3
160°-170°	141.6	0.9
170°-180°	51.7	0.3
0°-30°	3723.7	24.8
0°-40°	7034.1	46.8
0°-60°	12576.7	83.7
0°-90°	13753.7	91.5
90°-120°	267.0	1.8
90°-150°	887.9	5.9
90°-180°	1272.0	8.5
0°-180°	15025.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3945	
5°	3919	373
15°	3989	1149
25°	4743	2201
35°	5305	3310
45°	4744	3559
55°	2169	1983
65°	606	654
75°	338	353
85°	143	145
90°	75	42
95°	47	40
105°	67	74
115°	140	137
125°	210	187
135°	281	217
145°	347	217
155°	412	190
165°	511	142
175°	548	52
180°	552	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3944.8
2.5°	3938.5
5°	3919.0
7.5°	3899.5
10°	3891.9
12.5°	3911.3
15°	3988.6
17.5°	4127.2
20°	4313.1
22.5°	4525.4
25°	4742.6
27.5°	4945.2
30°	5117.2
32.5°	5238.3
35°	5305.2
37.5°	5321.9
40°	5282.9
42.5°	5129.7
45°	4744.0
47.5°	4196.1
50°	3540.3
52.5°	2842.7
55°	2168.7
57.5°	1592.2
60°	1125.1
62.5°	811.8
65°	605.7
67.5°	474.1
70°	401.0
72.5°	363.4
75°	337.7
77.5°	305.6
80°	257.6
82.5°	208.2
85°	143.4
87.5°	105.8
90°	75.2
92.5°	47.3
95°	47.3
97.5°	48.7
100°	52.9
102.5°	58.5
105°	66.8
107.5°	78.7
110°	98.2



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	120.4
115°	139.9
117.5°	156.6
120°	173.4
122.5°	192.2
125°	209.6
127.5°	227.0
130°	245.1
132.5°	263.2
135°	281.3
137.5°	298.0
140°	314.7
142.5°	330.7
145°	346.7
147.5°	362.0
150°	378.7
152.5°	394.8
155°	411.5
157.5°	430.3
160°	455.3
162.5°	487.4
165°	511.0
167.5°	522.2
170°	530.5
172.5°	540.3
175°	547.9
177.5°	551.4
180°	552.1

(END OF REPORT)