

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: P219442

Luminaire Tested: **SSLED-LD5-15-W-UNV-L840-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: P219442
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-LD5-15-W-UNV-L840-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) 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13678.9 lumens
Efficiency: N/A
Efficacy: 123.5 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

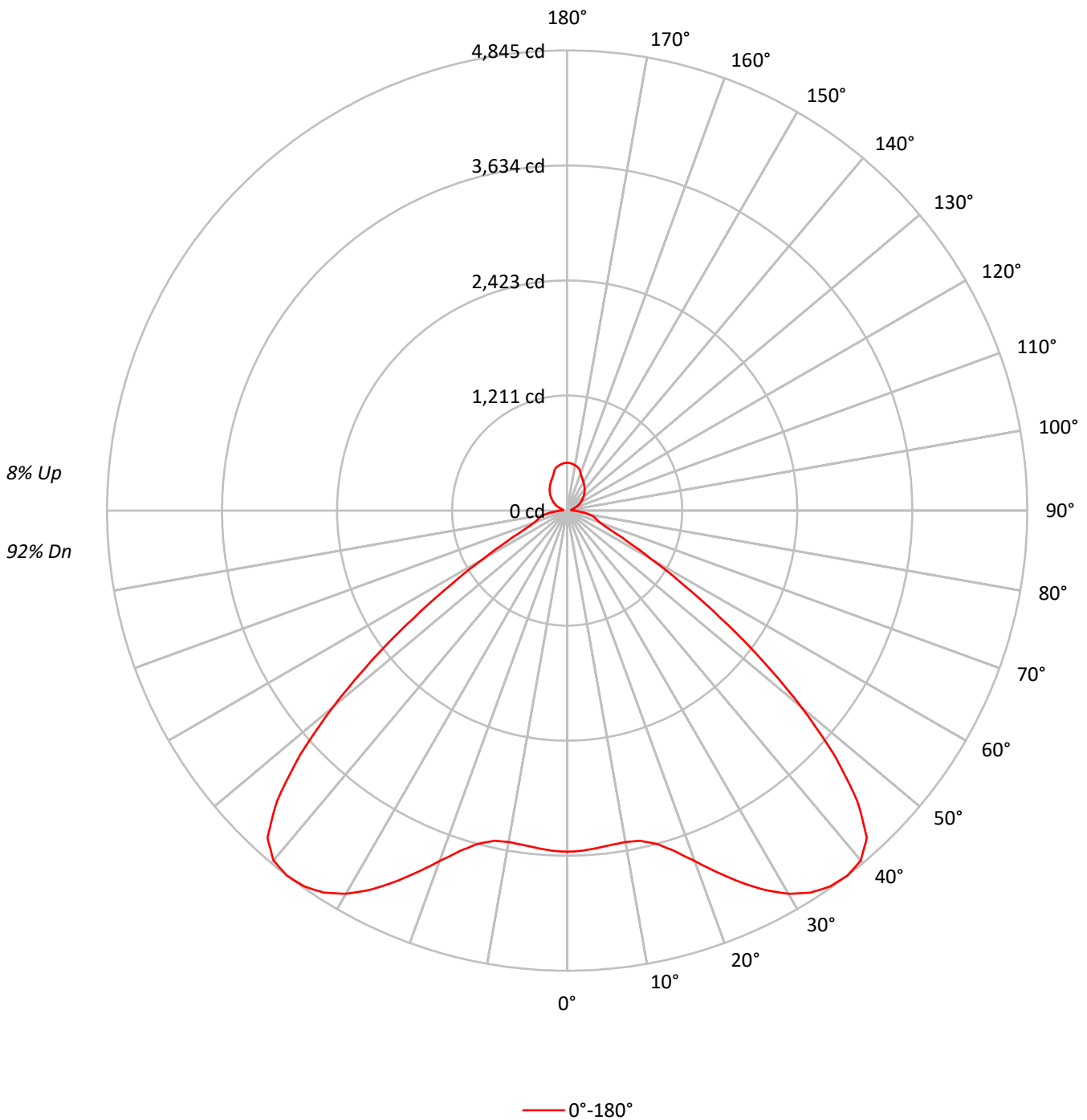
Input Watts (W): 110.74
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	24757
5°	24689
10°	24801
15°	25915
20°	28805
25°	32840
30°	37082
35°	40645
40°	43280
45°	42105
50°	34565
55°	23729
60°	14122
65°	8994
70°	7359
75°	8187
80°	9309
85°	10330



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.7	2.5
10°-20°	1046.2	7.6
20°-30°	2004.1	14.7
30°-40°	3013.7	22.0
40°-50°	3240.4	23.7
50°-60°	1805.6	13.2
60°-70°	595.6	4.4
70°-80°	321.2	2.3
80°-90°	154.7	1.1
90°-100°	51.5	0.4
100°-110°	67.1	0.5
110°-120°	124.5	0.9
120°-130°	170.5	1.2
130°-140°	197.2	1.4
140°-150°	197.5	1.4
150°-160°	173.3	1.3
160°-170°	128.9	0.9
170°-180°	47.1	0.3
0°-30°	3390.0	24.8
0°-40°	6403.8	46.8
0°-60°	11449.7	83.7
0°-90°	12521.3	91.5
90°-120°	243.1	1.8
90°-150°	808.3	5.9
90°-180°	1158.0	8.5
0°-180°	13678.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3591	
5°	3568	340
15°	3631	1046
25°	4318	2004
35°	4830	3014
45°	4319	3240
55°	1974	1806
65°	551	596
75°	307	321
85°	131	132
90°	68	38
95°	43	36
105°	61	67
115°	127	124
125°	191	171
135°	256	197
145°	316	197
155°	375	173
165°	465	129
175°	499	47
180°	503	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3591.3
2.5°	3585.6
5°	3567.8
7.5°	3550.1
10°	3543.1
12.5°	3560.9
15°	3631.2
17.5°	3757.3
20°	3926.6
22.5°	4119.9
25°	4317.6
27.5°	4502.1
30°	4658.6
32.5°	4768.9
35°	4829.8
37.5°	4845.0
40°	4809.5
42.5°	4670.1
45°	4318.9
47.5°	3820.1
50°	3223.0
52.5°	2587.9
55°	1974.4
57.5°	1449.6
60°	1024.3
62.5°	739.0
65°	551.4
67.5°	431.6
70°	365.1
72.5°	330.9
75°	307.4
77.5°	278.3
80°	234.5
82.5°	189.5
85°	130.6
87.5°	96.3
90°	68.5
92.5°	43.1
95°	43.1
97.5°	44.4
100°	48.2
102.5°	53.2
105°	60.8
107.5°	71.6
110°	89.4



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	109.7
115°	127.4
117.5°	142.6
120°	157.8
122.5°	174.9
125°	190.8
127.5°	206.6
130°	223.1
132.5°	239.6
135°	256.1
137.5°	271.3
140°	286.5
142.5°	301.1
145°	315.6
147.5°	329.6
150°	344.8
152.5°	359.4
155°	374.6
157.5°	391.7
160°	414.5
162.5°	443.7
165°	465.2
167.5°	475.4
170°	483.0
172.5°	491.9
175°	498.8
177.5°	502.0
180°	502.6

(END OF REPORT)