

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: P219378

Luminaire Tested: **SSLED-LD5-15-M-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: P219378
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27259)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SSLED-LD5-15-M-UNV-L835-CD1-UPL-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH MEDIUM 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: 12719.2 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.18
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

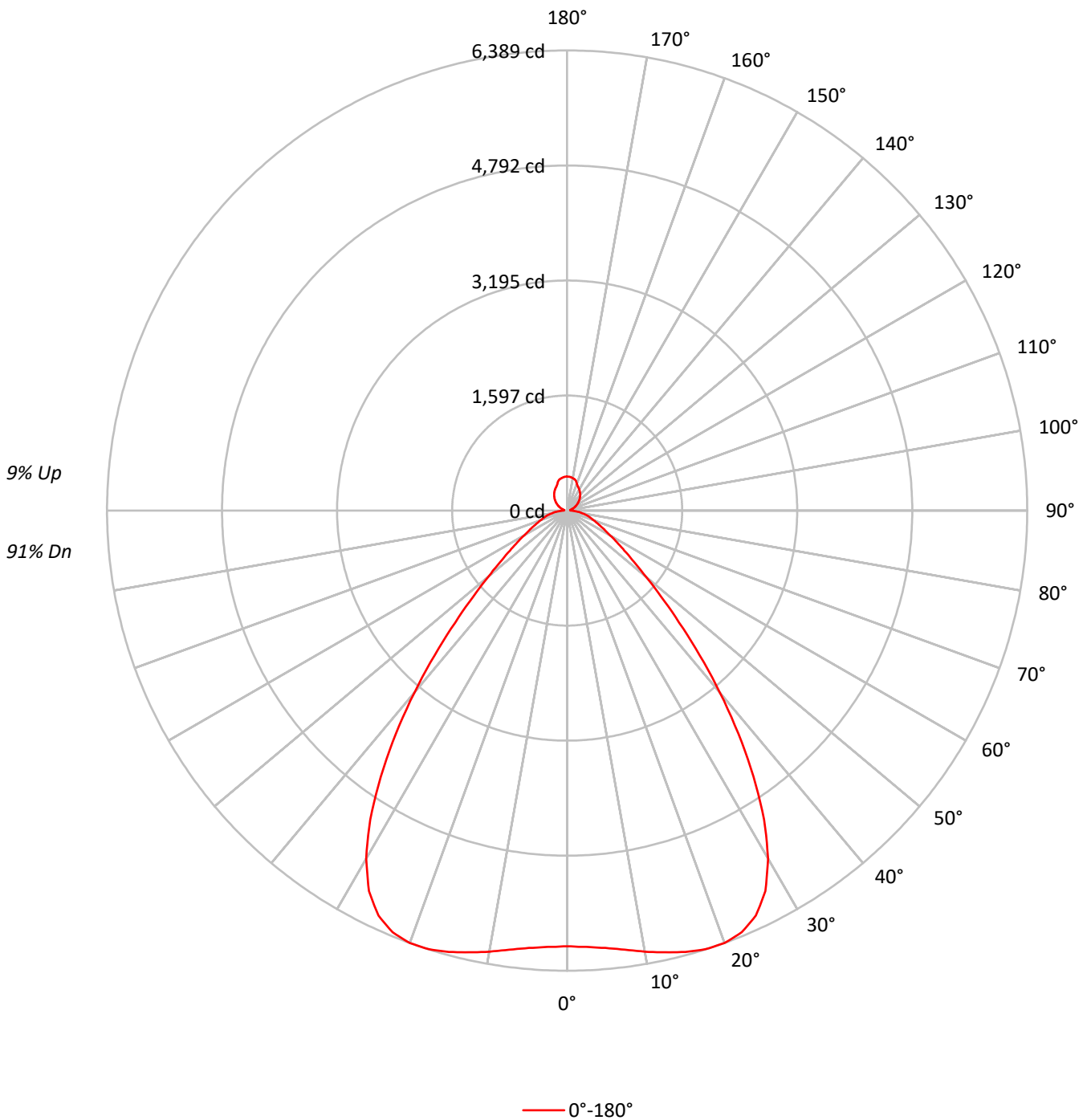
Input Watts (W): 110.74
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	91
1	109	105	102	99	105	102	99	96	96	94	92		91	89	87		86	85	83	81
2	101	95	89	85	98	92	87	83	87	83	80		83	80	77		79	76	74	72
3	94	86	79	74	91	83	77	73	79	74	70		76	71	68		72	69	66	64
4	88	78	70	65	85	76	69	64	72	67	62		69	64	61		66	62	59	57
5	82	71	63	58	79	69	62	57	66	60	56		64	58	54		61	57	53	51
6	76	65	57	52	74	64	56	51	61	55	50		59	53	49		56	52	48	46
7	71	60	52	47	69	58	51	46	56	50	46		54	49	45		52	47	44	42
8	67	55	48	43	65	54	47	42	52	46	41		50	45	41		49	44	40	38
9	63	51	44	39	61	50	43	39	48	42	38		47	41	37		45	40	37	35
10	59	47	40	36	57	47	40	35	45	39	35		44	38	34		42	37	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	41699
5°	42178
10°	43529
15°	45276
20°	46871
25°	47182
30°	44423
35°	37953
40°	29700
45°	21423
50°	15266
55°	11659
60°	9535
65°	8381
70°	7861
75°	8097
80°	8658
85°	9325



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	585.8	4.6
10°-20°	1796.7	14.1
20°-30°	2822.3	22.2
30°-40°	2789.5	21.9
40°-50°	1731.8	13.6
50°-60°	894.4	7.0
60°-70°	517.9	4.1
70°-80°	320.6	2.5
80°-90°	141.4	1.1
90°-100°	50.7	0.4
100°-110°	66.4	0.5
110°-120°	118.0	0.9
120°-130°	164.0	1.3
130°-140°	192.3	1.5
140°-150°	193.7	1.5
150°-160°	167.3	1.3
160°-170°	122.2	1.0
170°-180°	44.3	0.3
0°-30°	5204.8	40.9
0°-40°	7994.3	62.9
0°-60°	10620.5	83.5
0°-90°	11600.5	91.2
90°-120°	235.0	1.8
90°-150°	785.0	6.2
90°-180°	1119.0	8.8
0°-180°	12719.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6049	
5°	6095	586
15°	6344	1797
25°	6203	2822
35°	4510	2790
45°	2198	1732
55°	970	894
65°	514	518
75°	304	321
85°	118	121
90°	63	35
95°	43	36
105°	60	66
115°	120	118
125°	183	164
135°	250	192
145°	310	194
155°	362	167
165°	440	122
175°	469	44
180°	472	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6049.0
2.5°	6064.4
5°	6095.2
7.5°	6148.0
10°	6218.5
12.5°	6281.9
15°	6344.1
17.5°	6386.2
20°	6389.2
22.5°	6336.4
25°	6203.1
27.5°	5957.1
30°	5580.8
32.5°	5087.7
35°	4509.9
37.5°	3904.3
40°	3300.4
42.5°	2722.0
45°	2197.5
47.5°	1766.6
50°	1423.5
52.5°	1169.3
55°	970.1
57.5°	818.4
60°	691.6
62.5°	592.6
65°	513.8
67.5°	447.4
70°	390.0
72.5°	344.9
75°	304.0
77.5°	261.9
80°	218.1
82.5°	173.0
85°	117.9
87.5°	87.7
90°	62.8
92.5°	40.9
95°	43.3
97.5°	45.6
100°	49.2
102.5°	53.9
105°	59.9
107.5°	69.9
110°	86.5



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	103.7
115°	119.7
117.5°	135.1
120°	150.5
122.5°	167.1
125°	183.1
127.5°	199.7
130°	216.9
132.5°	233.5
135°	249.5
137.5°	264.9
140°	280.3
142.5°	295.7
145°	309.9
147.5°	323.6
150°	336.6
152.5°	348.5
155°	361.5
157.5°	376.3
160°	395.3
162.5°	420.8
165°	440.3
167.5°	449.2
170°	455.7
172.5°	462.8
175°	468.8
177.5°	471.1
180°	471.7

(END OF REPORT)