

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: P219441

Luminaire Tested: **SSLED-LD5-15-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: P219441
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-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: 12789.8 lumens
Efficiency: N/A
Efficacy: 115.5 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

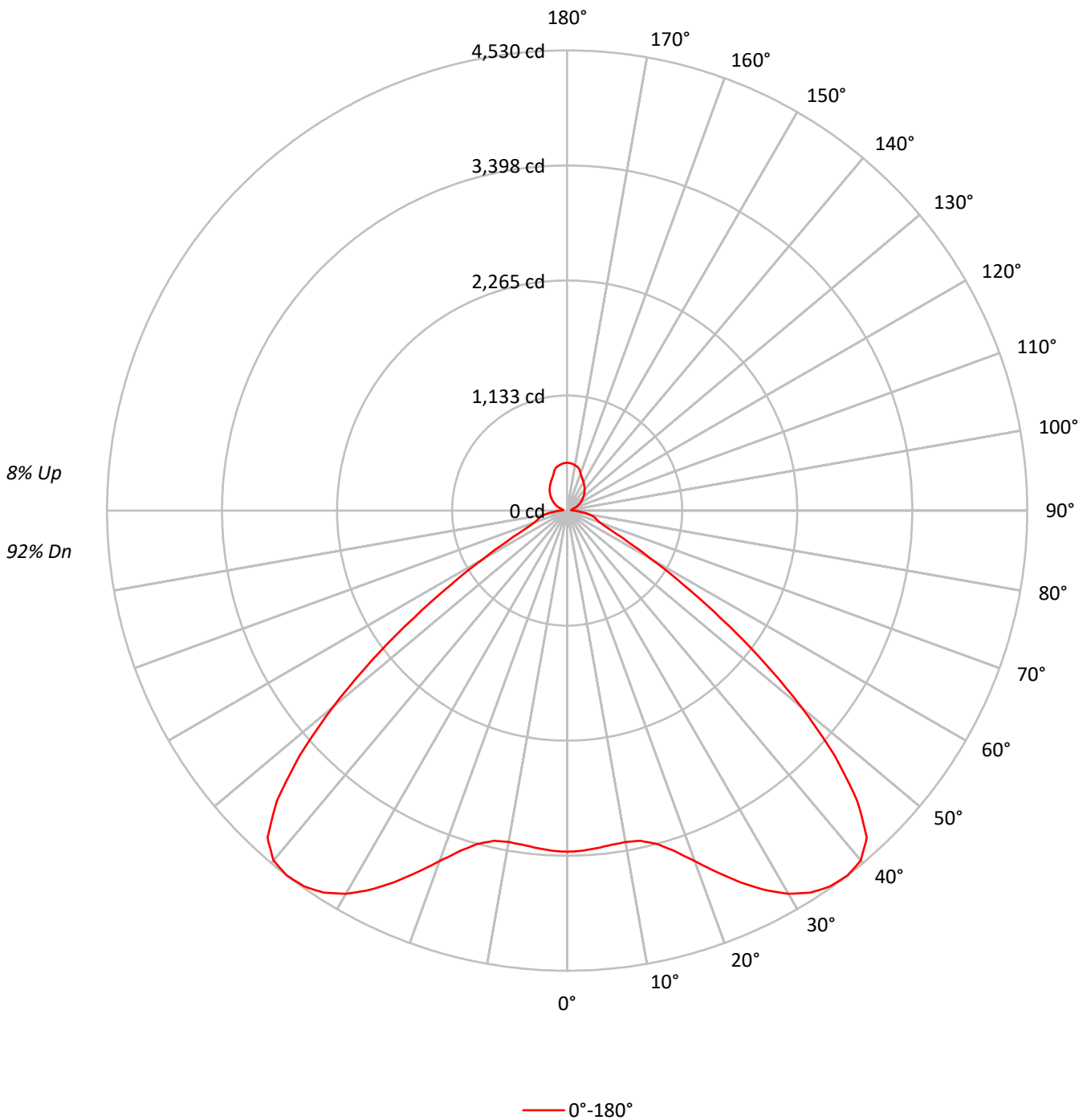
Input Watts (W): 110.74
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	23147
5°	23084
10°	23189
15°	24231
20°	26932
25°	30706
30°	34672
35°	38003
40°	40467
45°	39368
50°	32318
55°	22186
60°	13204
65°	8410
70°	6881
75°	7655
80°	8706
85°	9657



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.6	2.5
10°-20°	978.2	7.6
20°-30°	1873.9	14.7
30°-40°	2817.8	22.0
40°-50°	3029.8	23.7
50°-60°	1688.2	13.2
60°-70°	556.9	4.4
70°-80°	300.4	2.3
80°-90°	144.6	1.1
90°-100°	48.2	0.4
100°-110°	62.8	0.5
110°-120°	116.4	0.9
120°-130°	159.5	1.2
130°-140°	184.3	1.4
140°-150°	184.6	1.4
150°-160°	162.0	1.3
160°-170°	120.6	0.9
170°-180°	44.0	0.3
0°-30°	3169.7	24.8
0°-40°	5987.5	46.8
0°-60°	10705.5	83.7
0°-90°	11707.4	91.5
90°-120°	227.3	1.8
90°-150°	755.8	5.9
90°-180°	1082.0	8.5
0°-180°	12789.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3358	
5°	3336	318
15°	3395	978
25°	4037	1874
35°	4516	2818
45°	4038	3030
55°	1846	1688
65°	516	557
75°	287	300
85°	122	124
90°	64	35
95°	40	34
105°	57	63
115°	119	116
125°	178	159
135°	239	184
145°	295	185
155°	350	162
165°	435	121
175°	466	44
180°	470	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3357.8
2.5°	3352.5
5°	3335.9
7.5°	3319.3
10°	3312.8
12.5°	3329.4
15°	3395.2
17.5°	3513.1
20°	3671.3
22.5°	3852.1
25°	4037.0
27.5°	4209.5
30°	4355.8
32.5°	4458.9
35°	4515.8
37.5°	4530.1
40°	4496.9
42.5°	4366.5
45°	4038.2
47.5°	3571.8
50°	3013.5
52.5°	2419.7
55°	1846.0
57.5°	1355.3
60°	957.7
62.5°	691.0
65°	515.6
67.5°	403.6
70°	341.4
72.5°	309.4
75°	287.4
77.5°	260.2
80°	219.3
82.5°	177.2
85°	122.1
87.5°	90.1
90°	64.0
92.5°	40.3
95°	40.3
97.5°	41.5
100°	45.0
102.5°	49.8
105°	56.9
107.5°	67.0
110°	83.6



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	102.5
115°	119.1
117.5°	133.3
120°	147.6
122.5°	163.6
125°	178.4
127.5°	193.2
130°	208.6
132.5°	224.0
135°	239.4
137.5°	253.6
140°	267.9
142.5°	281.5
145°	295.1
147.5°	308.2
150°	322.4
152.5°	336.0
155°	350.2
157.5°	366.2
160°	387.6
162.5°	414.8
165°	435.0
167.5°	444.5
170°	451.6
172.5°	459.9
175°	466.4
177.5°	469.4
180°	470.0

(END OF REPORT)