

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: P219421

Luminaire Tested: **SSLED-LD5-15-W-UNV-L840-CD1-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: P219421  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27368)  
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-U  
Description: METALUX ROUND HIGH BAY STEELER LED WITH WIDE DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND.  
Light Source: (240) 4000K CCT, 80 CRI LEDs  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15446.6 lumens  
Efficiency: N/A  
Efficacy: 139.5 lumens/watt  
Spacing Criteria (0/90/45): 1.9 / 1.9 / 1.7  
Luminous Opening: Circular (Dia: 1.41' x H: 0')  
CIE Type: Direct

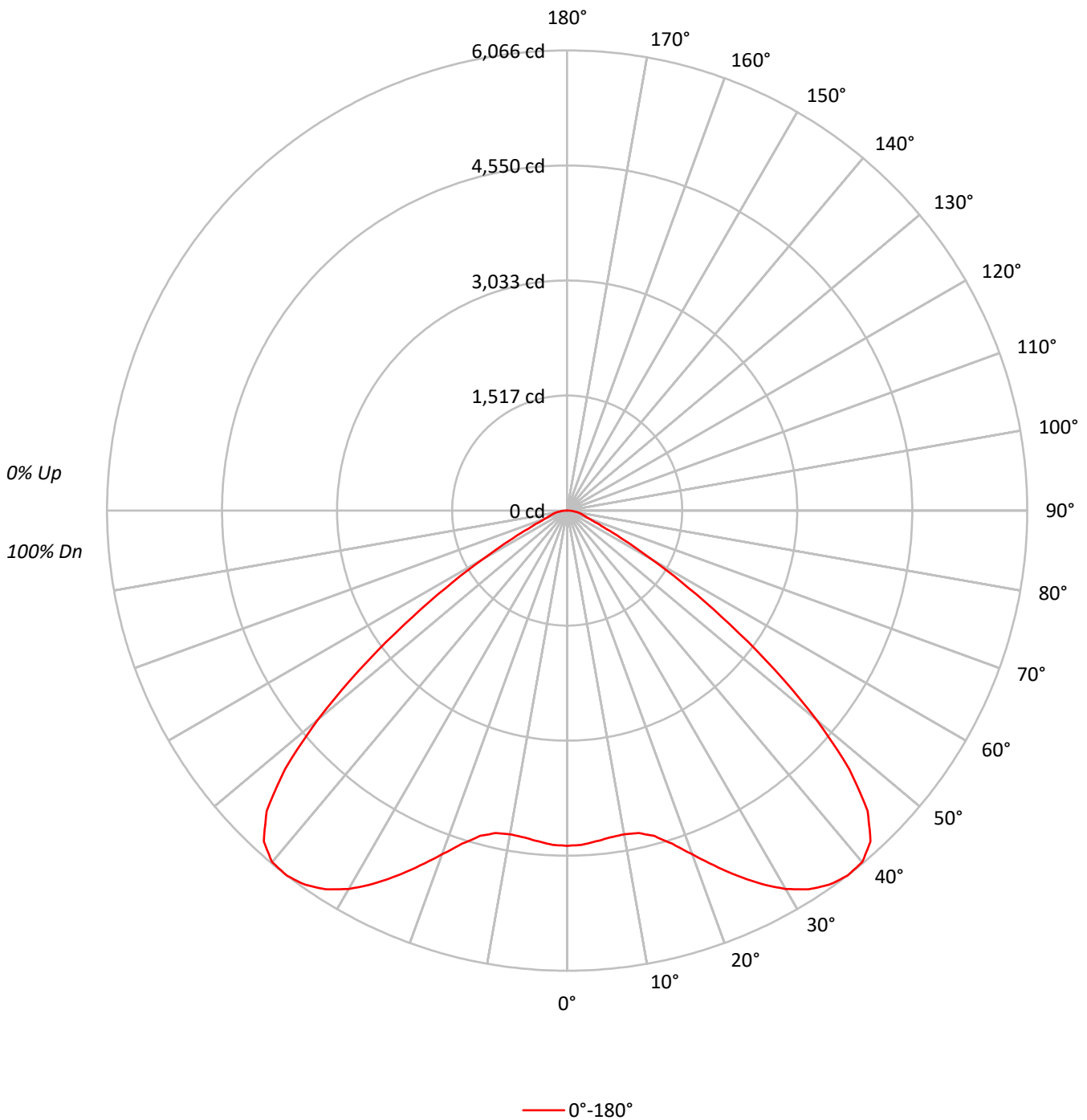
Input Watts (W): 110.74  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	111	107	103	100	108	105	101	99	100	98	95		97	95	93		93	91	90	88
2	102	95	89	84	100	93	88	83	90	85	81		87	83	80		84	81	78	76
3	94	85	77	72	92	83	76	71	80	74	70		77	73	69		75	71	67	65
4	86	75	67	61	84	74	67	61	72	65	60		69	64	59		67	63	59	57
5	79	67	59	53	77	66	59	53	64	57	52		62	56	52		61	55	51	49
6	73	61	52	46	71	60	52	46	58	51	46		56	50	45		55	49	45	43
7	68	55	46	41	66	54	46	40	52	45	40		51	45	40		50	44	40	38
8	63	50	41	36	61	49	41	36	48	41	36		46	40	35		45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32		43	36	32		42	36	31	30
10	54	42	34	29	53	41	34	29	40	33	28		39	33	28		38	32	28	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	30463
5°	30290
10°	30326
15°	31692
20°	35361
25°	40406
30°	45852
35°	50679
40°	54449
45°	54606
50°	46020
55°	31476
60°	17766
65°	9223
70°	6043
75°	5588
80°	5788
85°	5766



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	416.3	2.7
10°-20°	1280.9	8.3
20°-30°	2467.9	16.0
30°-40°	3759.2	24.3
40°-50°	4190.2	27.1
50°-60°	2385.1	15.4
60°-70°	641.1	4.2
70°-80°	226.7	1.5
80°-90°	79.4	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4165.0	27.0
0°-40°	7924.2	51.3
0°-60°	14499.5	93.9
0°-90°	15446.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15446.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4419	
5°	4377	416
15°	4441	1281
25°	5312	2468
35°	6022	3759
45°	5601	4190
55°	2619	2385
65°	565	641
75°	210	227
85°	73	79
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4419.1
2.5°	4409.6
5°	4377.3
7.5°	4345.0
10°	4332.3
12.5°	4353.2
15°	4440.7
17.5°	4604.2
20°	4820.3
22.5°	5063.7
25°	5312.2
27.5°	5549.3
30°	5760.3
32.5°	5919.4
35°	6022.1
37.5°	6066.5
40°	6050.6
42.5°	5918.8
45°	5601.2
47.5°	5046.6
50°	4291.1
52.5°	3451.3
55°	2619.0
57.5°	1890.7
60°	1288.6
62.5°	854.4
65°	565.4
67.5°	394.2
70°	299.8
72.5°	245.9
75°	209.8
77.5°	180.6
80°	145.8
82.5°	107.8
85°	72.9
87.5°	38.0
90°	0.0

(END OF REPORT)