

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: P219443

Luminaire Tested: **SSLED-LD5-15-W-UNV-L850-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: P219443  
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-L850-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) 5000K CCT, 80 CRI LEDS  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14111.6 lumens  
Efficiency: N/A  
Efficacy: 127.4 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

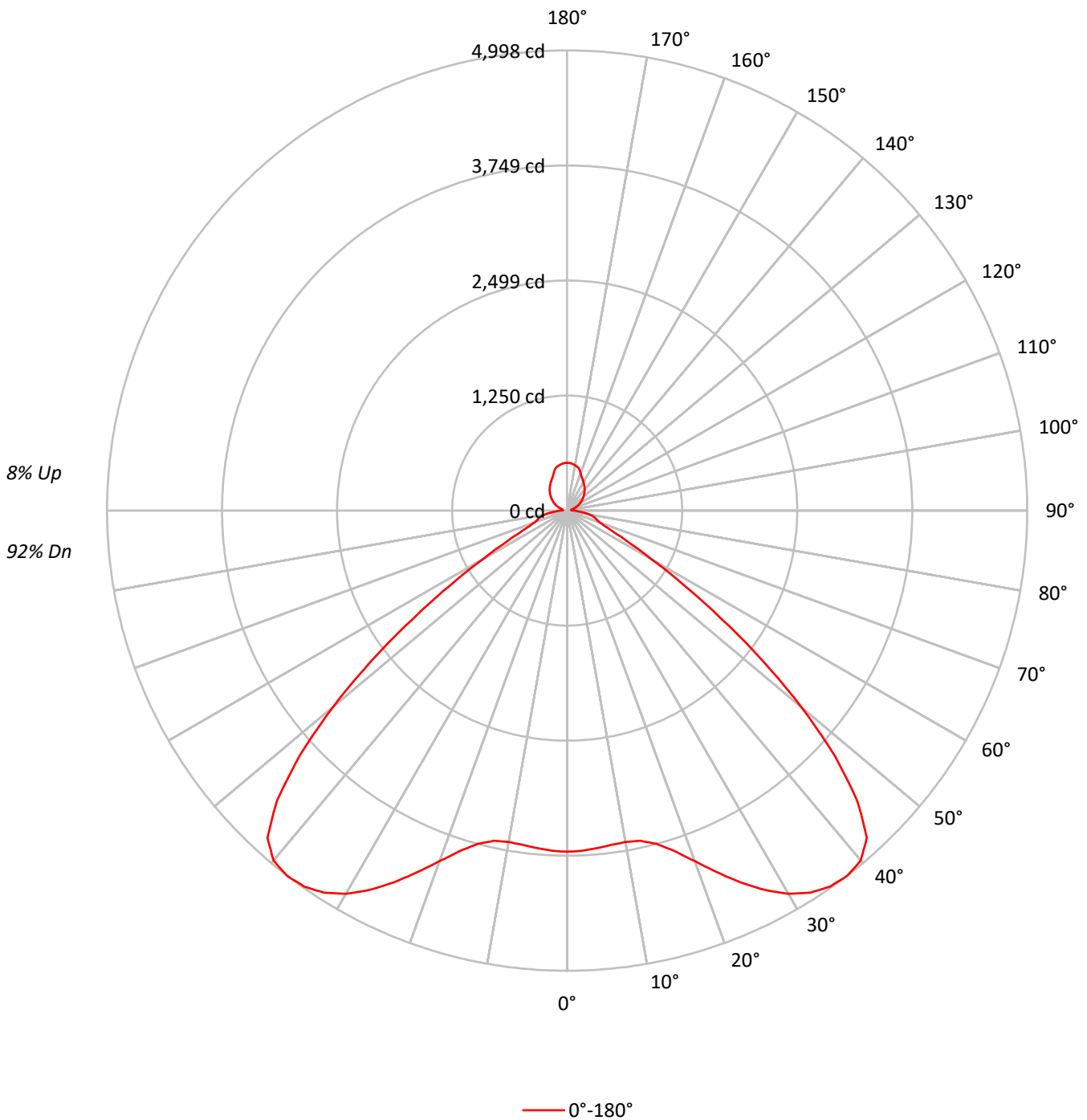
Input Watts (W): 110.74  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	25540
5°	25470
10°	25586
15°	26734
20°	29716
25°	33879
30°	38256
35°	41930
40°	44649
45°	43436
50°	35659
55°	24479
60°	14569
65°	9280
70°	7591
75°	8446
80°	9603
85°	10654



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	350.4	2.5
10°-20°	1079.3	7.6
20°-30°	2067.5	14.7
30°-40°	3109.0	22.0
40°-50°	3342.9	23.7
50°-60°	1862.7	13.2
60°-70°	614.5	4.4
70°-80°	331.4	2.3
80°-90°	159.6	1.1
90°-100°	53.2	0.4
100°-110°	69.3	0.5
110°-120°	128.4	0.9
120°-130°	175.9	1.2
130°-140°	203.4	1.4
140°-150°	203.7	1.4
150°-160°	178.7	1.3
160°-170°	133.0	0.9
170°-180°	48.6	0.3
0°-30°	3497.3	24.8
0°-40°	6606.3	46.8
0°-60°	11811.9	83.7
0°-90°	12917.3	91.5
90°-120°	250.8	1.8
90°-150°	833.9	5.9
90°-180°	1194.0	8.5
0°-180°	14111.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3705	
5°	3681	350
15°	3746	1079
25°	4454	2068
35°	4982	3109
45°	4456	3343
55°	2037	1863
65°	569	614
75°	317	331
85°	135	136
90°	71	39
95°	44	37
105°	63	69
115°	131	128
125°	197	176
135°	264	203
145°	326	204
155°	386	179
165°	480	133
175°	515	49
180°	518	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3704.9
2.5°	3699.0
5°	3680.7
7.5°	3662.4
10°	3655.2
12.5°	3673.5
15°	3746.0
17.5°	3876.2
20°	4050.8
22.5°	4250.2
25°	4454.2
27.5°	4644.5
30°	4806.0
32.5°	4919.8
35°	4982.5
37.5°	4998.2
40°	4961.6
42.5°	4817.7
45°	4455.5
47.5°	3940.9
50°	3325.0
52.5°	2669.8
55°	2036.8
57.5°	1495.4
60°	1056.7
62.5°	762.4
65°	568.9
67.5°	445.3
70°	376.6
72.5°	341.3
75°	317.1
77.5°	287.1
80°	241.9
82.5°	195.5
85°	134.7
87.5°	99.4
90°	70.6
92.5°	44.5
95°	44.5
97.5°	45.8
100°	49.7
102.5°	54.9
105°	62.8
107.5°	73.9
110°	92.2



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	113.1
115°	131.4
117.5°	147.1
120°	162.8
122.5°	180.5
125°	196.8
127.5°	213.2
130°	230.2
132.5°	247.2
135°	264.2
137.5°	279.9
140°	295.6
142.5°	310.6
145°	325.6
147.5°	340.0
150°	355.7
152.5°	370.7
155°	386.4
157.5°	404.1
160°	427.6
162.5°	457.7
165°	479.9
167.5°	490.4
170°	498.3
172.5°	507.4
175°	514.6
177.5°	517.9
180°	518.5

(END OF REPORT)