

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: P219356

Luminaire Tested: **SSLED-LD5-12-M-UNV-L850-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: P219356  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27367)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: SSLED-LD5-12-M-UNV-L850-CD1-U  
Description: METALUX ROUND HIGH BAY STEELER LED WITH MEDIUM DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND.  
Light Source: (240) 5000K CCT, 80 CRI LEDs  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12992.7 lumens  
Efficiency: N/A  
Efficacy: 152.3 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.2  
Luminous Opening: Circular (Dia: 1.41' x H: 0')  
CIE Type: Direct

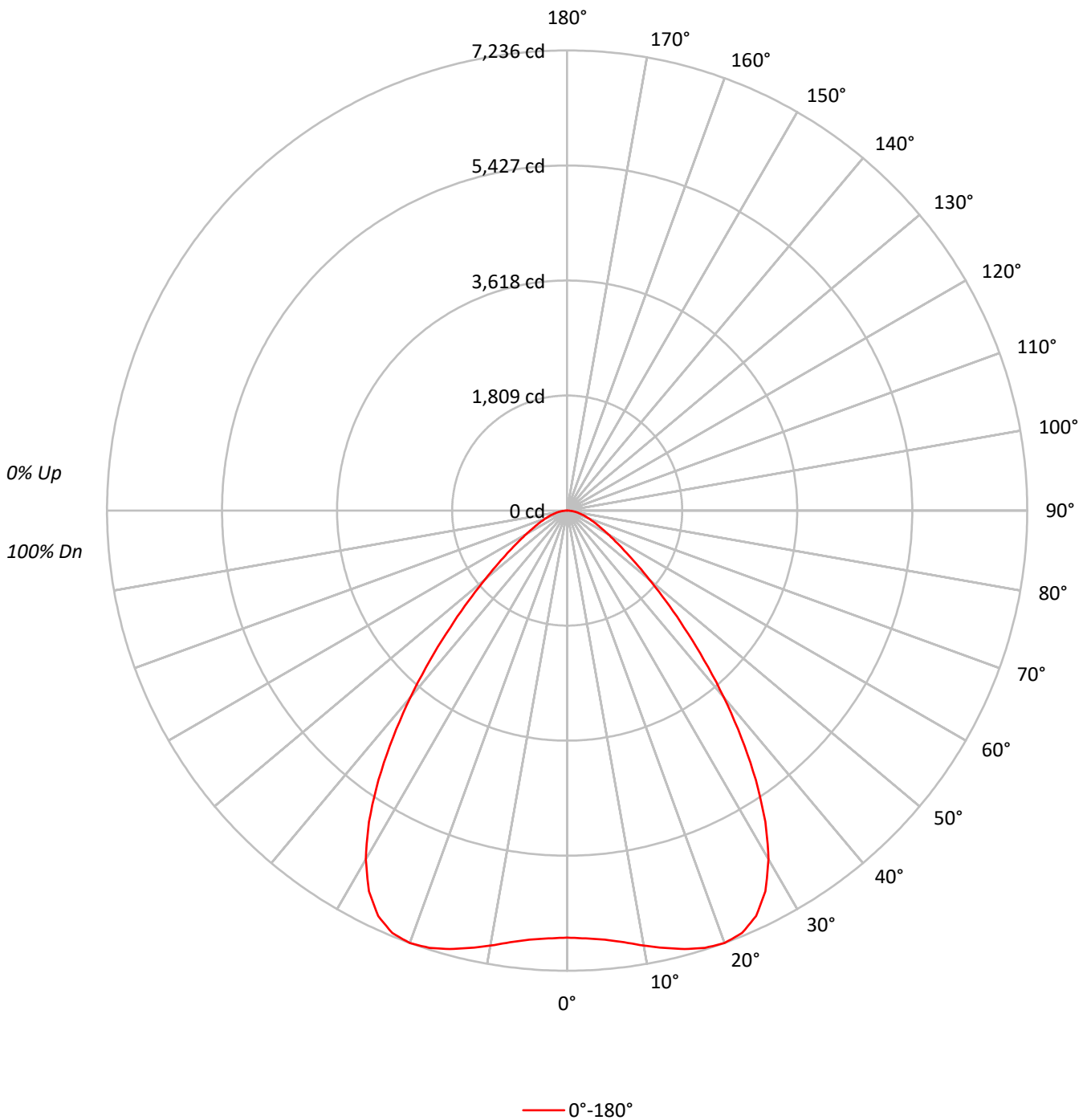
Input Watts (W): 85.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	89
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		86	84	81	79
3	97	88	82	77	95	87	81	76	84	79	75		82	77	74		79	76	73	71
4	90	81	73	68	88	79	73	68	77	71	67		75	70	66		73	69	65	63
5	84	74	66	61	82	73	66	60	71	64	60		69	63	59		67	62	59	57
6	79	67	60	55	77	67	60	54	65	59	54		63	58	54		62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49		59	53	49		57	52	48	47
8	69	57	50	45	68	57	50	45	56	49	45		54	49	44		53	48	44	43
9	65	53	46	41	64	53	46	41	52	45	41		51	45	41		50	44	41	39
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46	41	37	36

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

	0°
0°	46285
5°	46871
10°	48617
15°	50941
20°	53083
25°	53490
30°	50406
35°	43511
40°	34466
45°	25337
50°	18074
55°	13218
60°	10240
65°	8415
70°	7262
75°	6533
80°	6074
85°	5719



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	652.1	5.0
10°-20°	2022.9	15.6
20°-30°	3199.4	24.6
30°-40°	3196.3	24.6
40°-50°	2037.9	15.7
50°-60°	1017.2	7.8
60°-70°	522.9	4.0
70°-80°	263.4	2.0
80°-90°	80.7	0.6
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°	5874.4	45.2
0°-40°	9070.7	69.8
0°-60°	12125.8	93.3
0°-90°	12992.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12992.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6714	
5°	6773	652
15°	7138	2023
25°	7032	3199
35°	5170	3196
45°	2599	2038
55°	1100	1017
65°	516	523
75°	245	263
85°	72	81
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6714.3
2.5°	6733.3
5°	6773.4
7.5°	6845.1
10°	6945.4
12.5°	7044.5
15°	7137.9
17.5°	7210.1
20°	7236.0
22.5°	7187.5
25°	7032.4
27.5°	6748.6
30°	6332.4
32.5°	5800.2
35°	5170.4
37.5°	4498.4
40°	3830.0
42.5°	3187.6
45°	2598.9
47.5°	2099.4
50°	1685.3
52.5°	1356.7
55°	1099.8
57.5°	900.4
60°	742.7
62.5°	617.2
65°	515.9
67.5°	432.0
70°	360.3
72.5°	298.6
75°	245.3
77.5°	198.3
80°	153.0
82.5°	111.8
85°	72.3
87.5°	35.9
90°	0.0

(END OF REPORT)