

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: P219419

Luminaire Tested: **SSLED-LD5-12-W-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: P219419  
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-LD5-12-W-UNV-L850-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) 5000K CCT, 80 CRI LEDs  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12855.0 lumens  
Efficiency: N/A  
Efficacy: 150.7 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

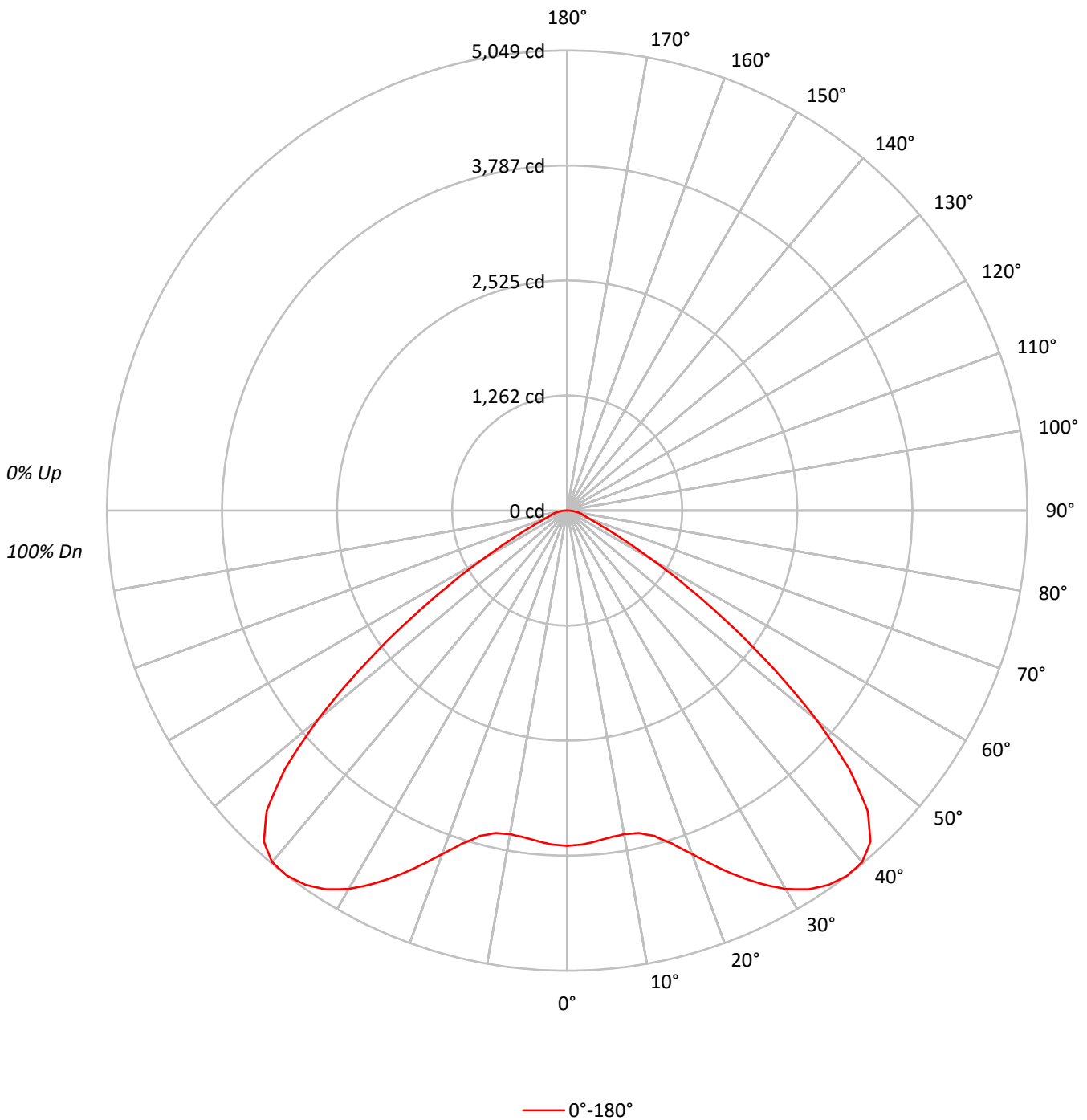
Input Watts (W): 85.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	25352
5°	25208
10°	25237
15°	26374
20°	29429
25°	33626
30°	38159
35°	42176
40°	45313
45°	45444
50°	38298
55°	26196
60°	14785
65°	7675
70°	5029
75°	4650
80°	4815
85°	4801



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	346.4	2.7
10°-20°	1066.0	8.3
20°-30°	2053.8	16.0
30°-40°	3128.4	24.3
40°-50°	3487.1	27.1
50°-60°	1985.0	15.4
60°-70°	533.6	4.2
70°-80°	188.6	1.5
80°-90°	66.0	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°	3466.2	27.0
0°-40°	6594.7	51.3
0°-60°	12066.7	93.9
0°-90°	12855.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12855.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3678	
5°	3643	346
15°	3696	1066
25°	4421	2054
35°	5012	3128
45°	4661	3487
55°	2180	1985
65°	470	534
75°	175	189
85°	61	66
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3677.7
2.5°	3669.7
5°	3642.8
7.5°	3615.9
10°	3605.4
12.5°	3622.8
15°	3695.6
17.5°	3831.7
20°	4011.6
22.5°	4214.1
25°	4420.9
27.5°	4618.2
30°	4793.8
32.5°	4926.2
35°	5011.7
37.5°	5048.6
40°	5035.4
42.5°	4925.7
45°	4661.4
47.5°	4199.9
50°	3571.1
52.5°	2872.2
55°	2179.6
57.5°	1573.5
60°	1072.4
62.5°	711.1
65°	470.5
67.5°	328.1
70°	249.5
72.5°	204.7
75°	174.6
77.5°	150.3
80°	121.3
82.5°	89.7
85°	60.7
87.5°	31.6
90°	0.0

(END OF REPORT)