

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: P219362

Luminaire Tested: **SSLED-LD5-18-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: P219362  
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-LD5-18-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: 18921.1 lumens  
Efficiency: N/A  
Efficacy: 141.4 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

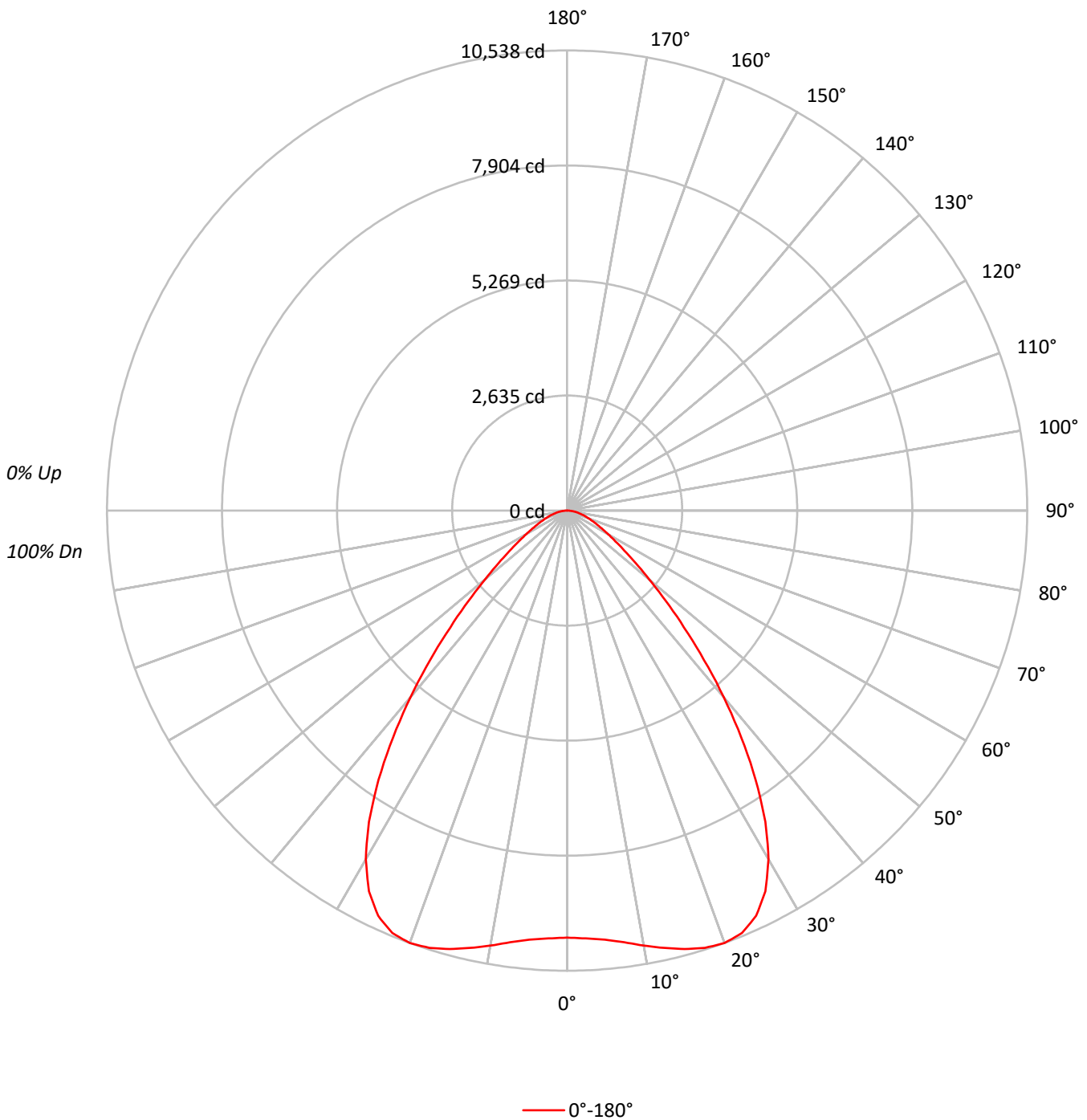
Input Watts (W): 133.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	67405
5°	68258
10°	70800
15°	74185
20°	77304
25°	77896
30°	73406
35°	63365
40°	50193
45°	36898
50°	26321
55°	19249
60°	14912
65°	12255
70°	10576
75°	9514
80°	8845
85°	8321



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	949.6	5.0
10°-20°	2946.0	15.6
20°-30°	4659.2	24.6
30°-40°	4654.7	24.6
40°-50°	2967.8	15.7
50°-60°	1481.3	7.8
60°-70°	761.4	4.0
70°-80°	383.5	2.0
80°-90°	117.5	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°	8554.8	45.2
0°-40°	13209.5	69.8
0°-60°	17658.6	93.3
0°-90°	18921.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18921.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9778	
5°	9864	950
15°	10395	2946
25°	10241	4659
35°	7530	4655
45°	3785	2968
55°	1602	1481
65°	751	761
75°	357	384
85°	105	117
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9778.0
2.5°	9805.7
5°	9864.0
7.5°	9968.5
10°	10114.5
12.5°	10258.9
15°	10394.9
17.5°	10500.1
20°	10537.7
22.5°	10467.1
25°	10241.2
27.5°	9827.9
30°	9221.9
32.5°	8446.8
35°	7529.6
37.5°	6550.9
40°	5577.7
42.5°	4642.0
45°	3784.8
47.5°	3057.3
50°	2454.3
52.5°	1975.7
55°	1601.6
57.5°	1311.3
60°	1081.6
62.5°	898.8
65°	751.3
67.5°	629.1
70°	524.7
72.5°	434.8
75°	357.2
77.5°	288.8
80°	222.8
82.5°	162.9
85°	105.2
87.5°	52.2
90°	0.0

(END OF REPORT)