

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: P219360

Luminaire Tested: **SSLED-LD5-18-M-UNV-L835-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: P219360
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-L835-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) 3500K CCT, 80 CRI LEDs
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

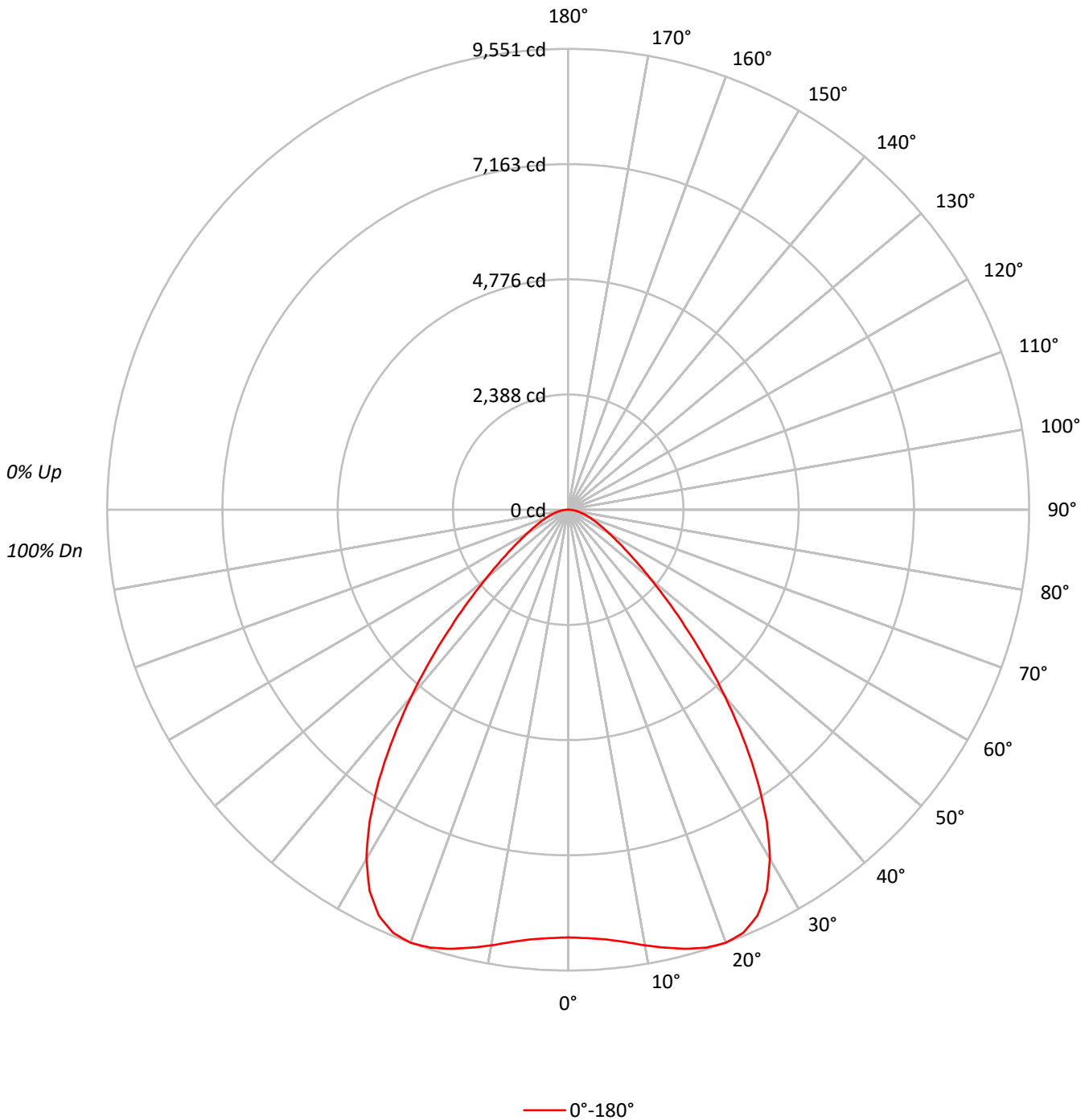
Lumens per Lamp: N/A
Luminaire Lumens: 17148.8 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.2
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

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°	61092
5°	61864
10°	64169
15°	67236
20°	70063
25°	70601
30°	66530
35°	57430
40°	45491
45°	33442
50°	23855
55°	17446
60°	13515
65°	11107
70°	9584
75°	8622
80°	8015
85°	7546



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	860.6	5.0
10°-20°	2670.1	15.6
20°-30°	4222.8	24.6
30°-40°	4218.7	24.6
40°-50°	2689.8	15.7
50°-60°	1342.6	7.8
60°-70°	690.1	4.0
70°-80°	347.6	2.0
80°-90°	106.5	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°	7753.5	45.2
0°-40°	11972.3	69.8
0°-60°	16004.6	93.3
0°-90°	17148.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17148.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8862	
5°	8940	861
15°	9421	2670
25°	9282	4223
35°	6824	4219
45°	3430	2690
55°	1452	1343
65°	681	690
75°	324	348
85°	95	106
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8862.2
2.5°	8887.2
5°	8940.1
7.5°	9034.8
10°	9167.1
12.5°	9298.0
15°	9421.2
17.5°	9516.6
20°	9550.7
22.5°	9486.7
25°	9282.0
27.5°	8907.4
30°	8358.1
32.5°	7655.6
35°	6824.3
37.5°	5937.4
40°	5055.2
42.5°	4207.2
45°	3430.3
47.5°	2771.0
50°	2224.4
52.5°	1790.7
55°	1451.6
57.5°	1188.4
60°	980.3
62.5°	814.6
65°	680.9
67.5°	570.2
70°	475.5
72.5°	394.1
75°	323.7
77.5°	261.8
80°	201.9
82.5°	147.6
85°	95.4
87.5°	47.3
90°	0.0

(END OF REPORT)