

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: P219402

Luminaire Tested: **SSLED-LD5-18-M-UNV-L835-CD1-SA23-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: P219402  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27262)  
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-SA23-U  
Description: METALUX ROUND HIGH BAY STEELER LED WITH MEDIUM DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND. SHROUD ACCESSORY INSTALLED. FIXTURE CENTERED TO LEDS  
Light Source: (240) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16195.7 lumens  
Efficiency: N/A  
Efficacy: 121.0 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.15  
Luminous Opening: Circular (Dia: 1.41' x H: 0')  
CIE Type: Direct

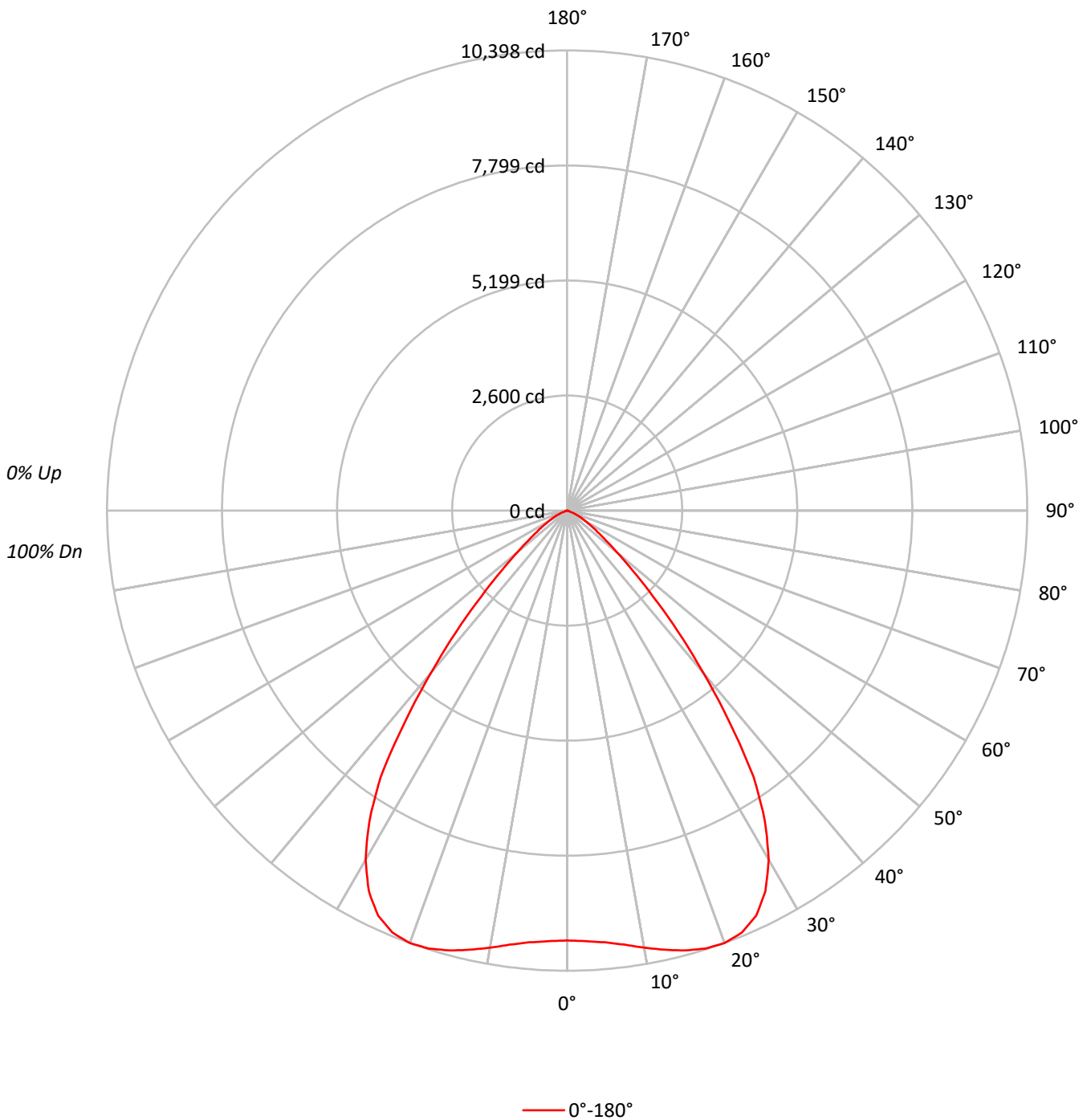
Input Watts (W): 133.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	100	95	92	104	98	94	91	95	92	88		92	89	87		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	80	77	75
4	93	84	78	73	91	83	77	72	81	76	72		79	74	71		77	73	70	68
5	87	78	71	66	86	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66	62	58	56
7	77	66	59	54	76	66	59	54	64	58	54		63	58	54		62	57	53	52
8	72	61	55	50	71	61	54	50	60	54	49		59	53	49		58	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46		55	49	45		54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42		51	46	42		50	45	42	40

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

	0°
0°	66957
5°	67757
10°	70188
15°	73428
20°	76280
25°	76844
30°	72499
35°	61783
40°	42923
45°	26804
50°	15739
55°	9957
60°	6738
65°	4282
70°	1193
75°	815
80°	830
85°	1099



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	942.3	5.8
10°-20°	2914.1	18.0
20°-30°	4597.5	28.4
30°-40°	4441.2	27.4
40°-50°	2205.0	13.6
50°-60°	785.2	4.8
60°-70°	261.4	1.6
70°-80°	35.3	0.2
80°-90°	13.7	0.1
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°	8453.8	52.2
0°-40°	12895.1	79.6
0°-60°	15885.3	98.1
0°-90°	16195.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16195.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9713	
5°	9792	942
15°	10289	2914
25°	10103	4597
35°	7342	4441
45°	2749	2205
55°	828	785
65°	262	261
75°	31	35
85°	14	14
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9713.0
2.5°	9738.0
5°	9791.7
7.5°	9891.9
10°	10027.0
12.5°	10162.7
15°	10288.8
17.5°	10376.5
20°	10398.1
22.5°	10320.1
25°	10102.9
27.5°	9702.5
30°	9108.0
32.5°	8319.1
35°	7341.6
37.5°	6025.1
40°	4769.8
42.5°	3700.4
45°	2749.4
47.5°	2003.0
50°	1467.6
52.5°	1093.8
55°	828.5
57.5°	637.0
60°	488.7
62.5°	369.7
65°	262.5
67.5°	158.0
70°	59.2
72.5°	38.3
75°	30.6
77.5°	25.1
80°	20.9
82.5°	18.1
85°	13.9
87.5°	7.7
90°	0.0

(END OF REPORT)