

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: P219403

Luminaire Tested: **SSLED-LD5-18-M-UNV-L840-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: P219403
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-L840-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) 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17321.6 lumens
Efficiency: N/A
Efficacy: 129.5 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

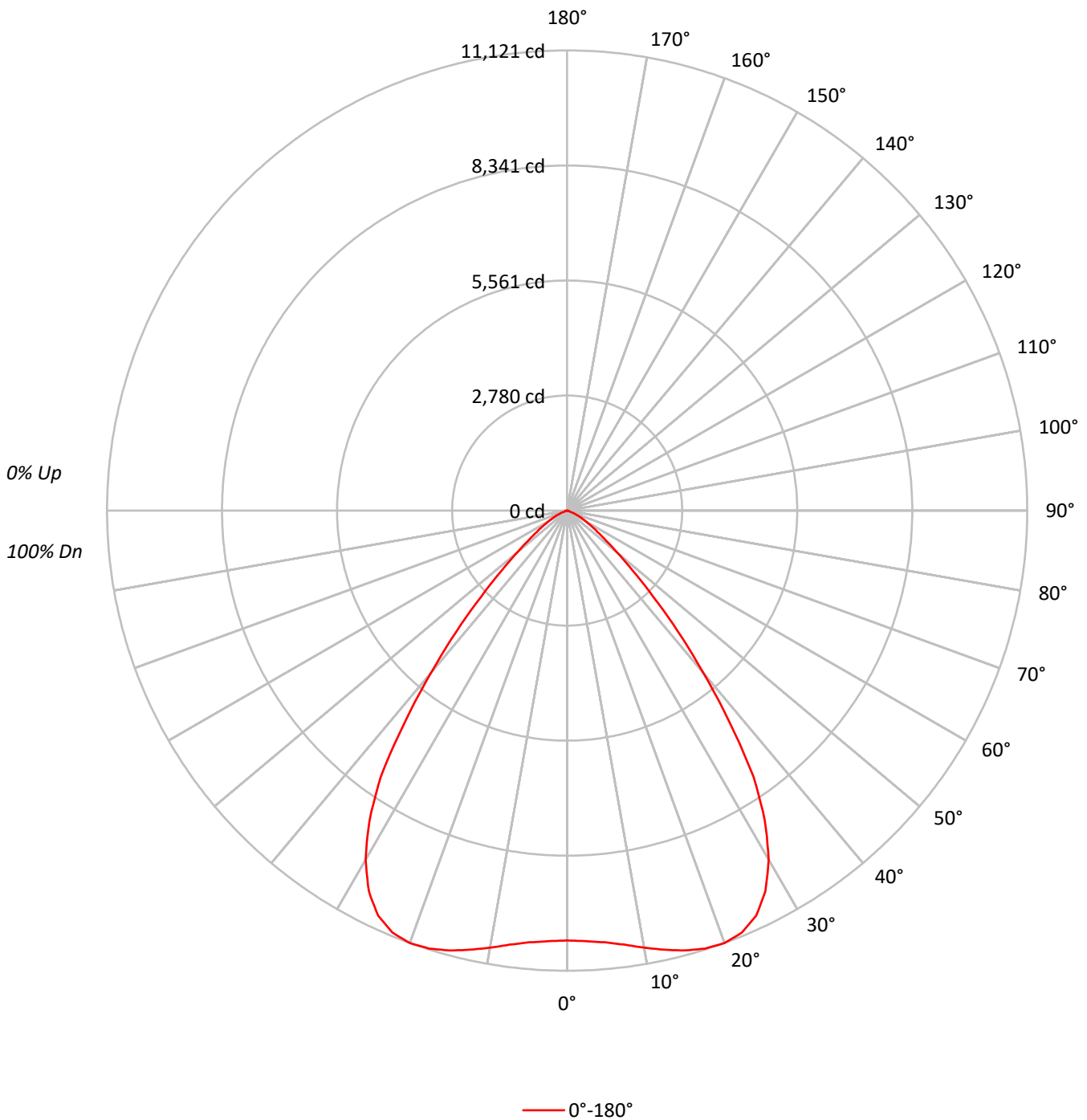
Input Watts (W): 133.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	71611
5°	72468
10°	75067
15°	78532
20°	81582
25°	82186
30°	77539
35°	66078
40°	45907
45°	28667
50°	16834
55°	10650
60°	7207
65°	4579
70°	1276
75°	874
80°	885
85°	1179



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1007.8	5.8
10°-20°	3116.7	18.0
20°-30°	4917.1	28.4
30°-40°	4750.0	27.4
40°-50°	2358.3	13.6
50°-60°	839.8	4.8
60°-70°	279.5	1.6
70°-80°	37.8	0.2
80°-90°	14.6	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°	9041.5	52.2
0°-40°	13791.5	79.6
0°-60°	16989.7	98.1
0°-90°	17321.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17321.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10388	
5°	10472	###
15°	11004	3117
25°	10805	4917
35°	7852	4750
45°	2940	2358
55°	886	840
65°	281	280
75°	33	38
85°	15	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10388.2
2.5°	10415.0
5°	10472.4
7.5°	10579.6
10°	10724.0
12.5°	10869.2
15°	11004.0
17.5°	11097.8
20°	11120.9
22.5°	11037.5
25°	10805.2
27.5°	10377.0
30°	9741.1
32.5°	8897.5
35°	7852.0
37.5°	6444.0
40°	5101.4
42.5°	3957.7
45°	2940.5
47.5°	2142.3
50°	1569.7
52.5°	1169.8
55°	886.1
57.5°	681.3
60°	522.7
62.5°	395.4
65°	280.7
67.5°	169.0
70°	63.3
72.5°	41.0
75°	32.8
77.5°	26.8
80°	22.3
82.5°	19.4
85°	14.9
87.5°	8.2
90°	0.0

(END OF REPORT)