

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: P219404

Luminaire Tested: **SSLED-LD5-18-M-UNV-L850-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: P219404
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-L850-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) 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17869.4 lumens
Efficiency: N/A
Efficacy: 133.6 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

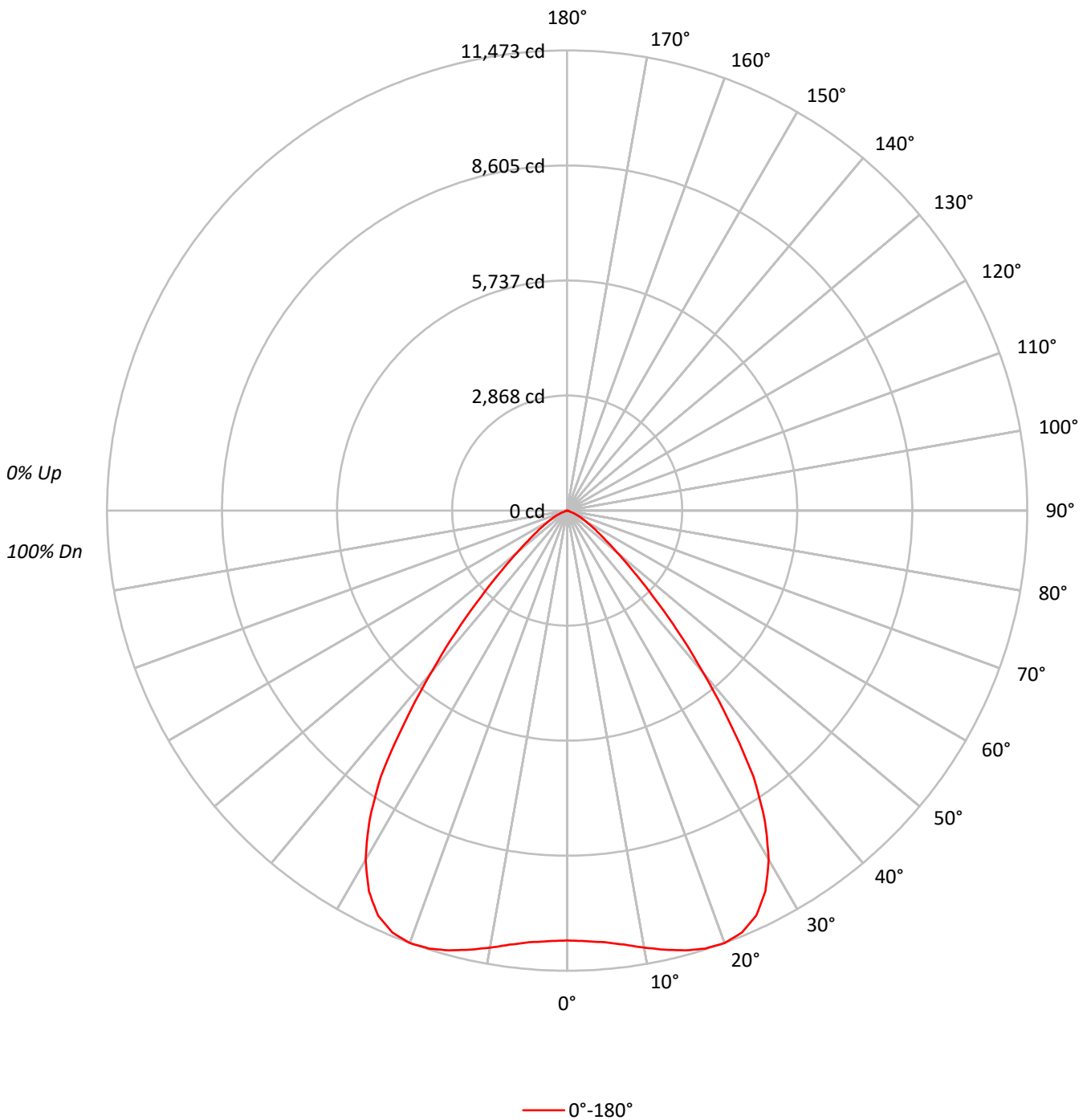
Input Watts (W): 133.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	73877
5°	74760
10°	77441
15°	81016
20°	84162
25°	84785
30°	79991
35°	68169
40°	47358
45°	29573
50°	17366
55°	10986
60°	7435
65°	4724
70°	1316
75°	900
80°	913
85°	1218



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1039.7	5.8
10°-20°	3215.2	18.0
20°-30°	5072.6	28.4
30°-40°	4900.2	27.4
40°-50°	2432.9	13.6
50°-60°	866.4	4.8
60°-70°	288.4	1.6
70°-80°	39.0	0.2
80°-90°	15.1	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°	9327.5	52.2
0°-40°	14227.7	79.6
0°-60°	17527.0	98.1
0°-90°	17869.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17869.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10717	
5°	10804	###
15°	11352	3215
25°	11147	5073
35°	8100	4900
45°	3034	2433
55°	914	866
65°	290	288
75°	34	39
85°	15	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10716.8
2.5°	10744.4
5°	10803.6
7.5°	10914.2
10°	11063.2
12.5°	11213.0
15°	11352.0
17.5°	11448.8
20°	11472.6
22.5°	11386.6
25°	11146.9
27.5°	10705.2
30°	10049.2
32.5°	9178.9
35°	8100.4
37.5°	6647.8
40°	5262.7
42.5°	4082.8
45°	3033.5
47.5°	2210.0
50°	1619.3
52.5°	1206.8
55°	914.1
57.5°	702.9
60°	539.3
62.5°	407.9
65°	289.6
67.5°	174.4
70°	65.3
72.5°	42.2
75°	33.8
77.5°	27.7
80°	23.0
82.5°	20.0
85°	15.4
87.5°	8.4
90°	0.0

(END OF REPORT)