

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: P219398

Luminaire Tested: **SSLED-LD5-12-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: P219398
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-LD5-12-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: 12270.4 lumens
Efficiency: N/A
Efficacy: 143.9 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

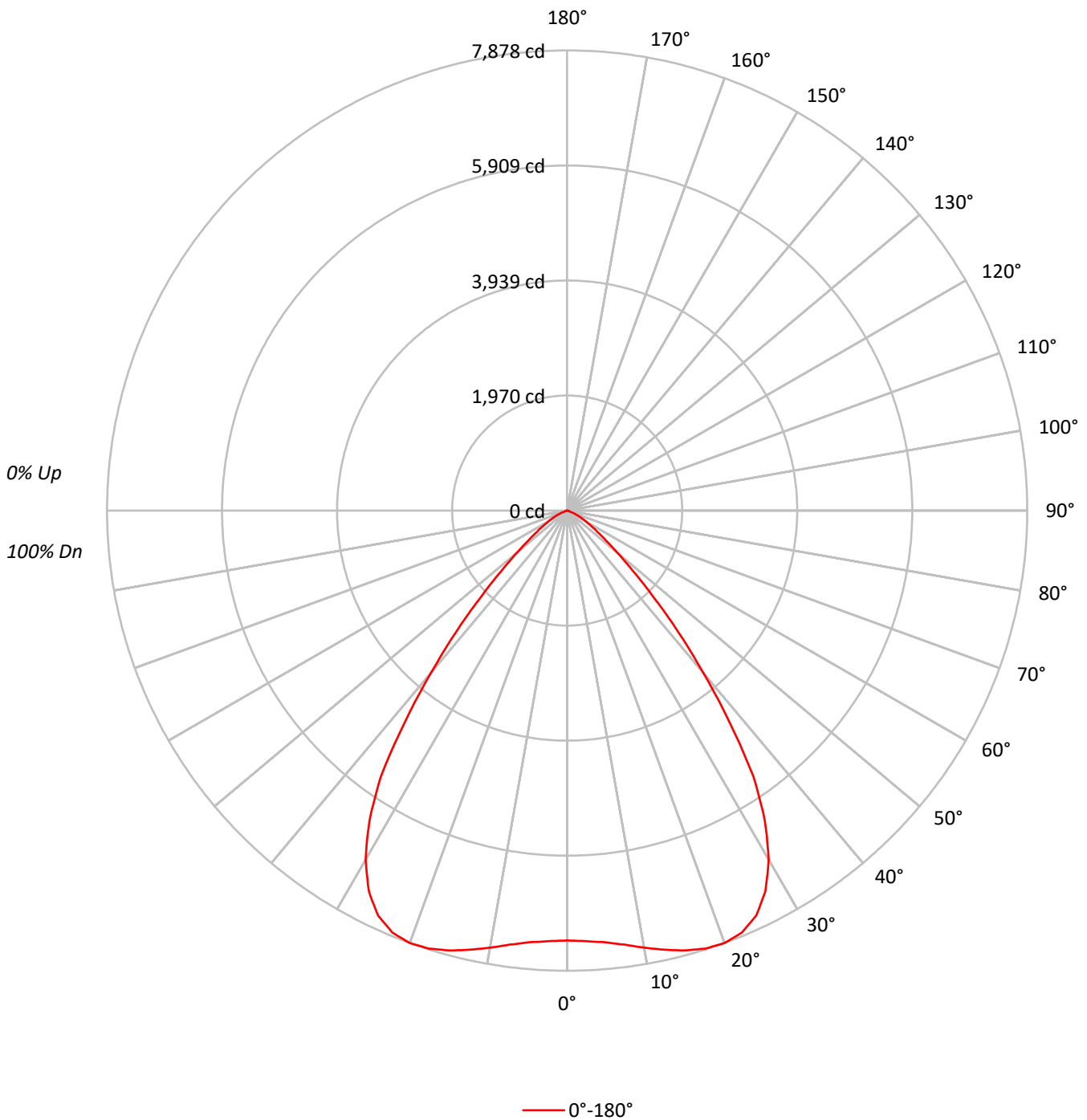
Input Watts (W): 85.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	50729
5°	51335
10°	53177
15°	55632
20°	57793
25°	58220
30°	54928
35°	46809
40°	32520
45°	20307
50°	11925
55°	7544
60°	5105
65°	3244
70°	903
75°	618
80°	627
85°	830



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	713.9	5.8
10°-20°	2207.8	18.0
20°-30°	3483.2	28.4
30°-40°	3364.9	27.4
40°-50°	1670.6	13.6
50°-60°	594.9	4.8
60°-70°	198.0	1.6
70°-80°	26.7	0.2
80°-90°	10.3	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°	6404.9	52.2
0°-40°	9769.8	79.6
0°-60°	12035.3	98.1
0°-90°	12270.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12270.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7359	
5°	7418	714
15°	7795	2208
25°	7654	3483
35°	5562	3365
45°	2083	1671
55°	628	595
65°	199	198
75°	23	27
85°	10	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7358.9
2.5°	7377.9
5°	7418.5
7.5°	7494.5
10°	7596.8
12.5°	7699.7
15°	7795.2
17.5°	7861.6
20°	7878.0
22.5°	7818.9
25°	7654.3
27.5°	7351.0
30°	6900.5
32.5°	6302.9
35°	5562.3
37.5°	4564.8
40°	3613.8
42.5°	2803.6
45°	2083.0
47.5°	1517.6
50°	1111.9
52.5°	828.7
55°	627.7
57.5°	482.6
60°	370.3
62.5°	280.1
65°	198.9
67.5°	119.7
70°	44.8
72.5°	29.0
75°	23.2
77.5°	19.0
80°	15.8
82.5°	13.7
85°	10.5
87.5°	5.8
90°	0.0

(END OF REPORT)