

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: P219291

Luminaire Tested: **SSLED-LD5-12-N-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: P219291
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27366)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SSLED-LD5-12-N-UNV-L835-CD1-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH NARROW 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: 11573.4 lumens
Efficiency: N/A
Efficacy: 135.7 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.84
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

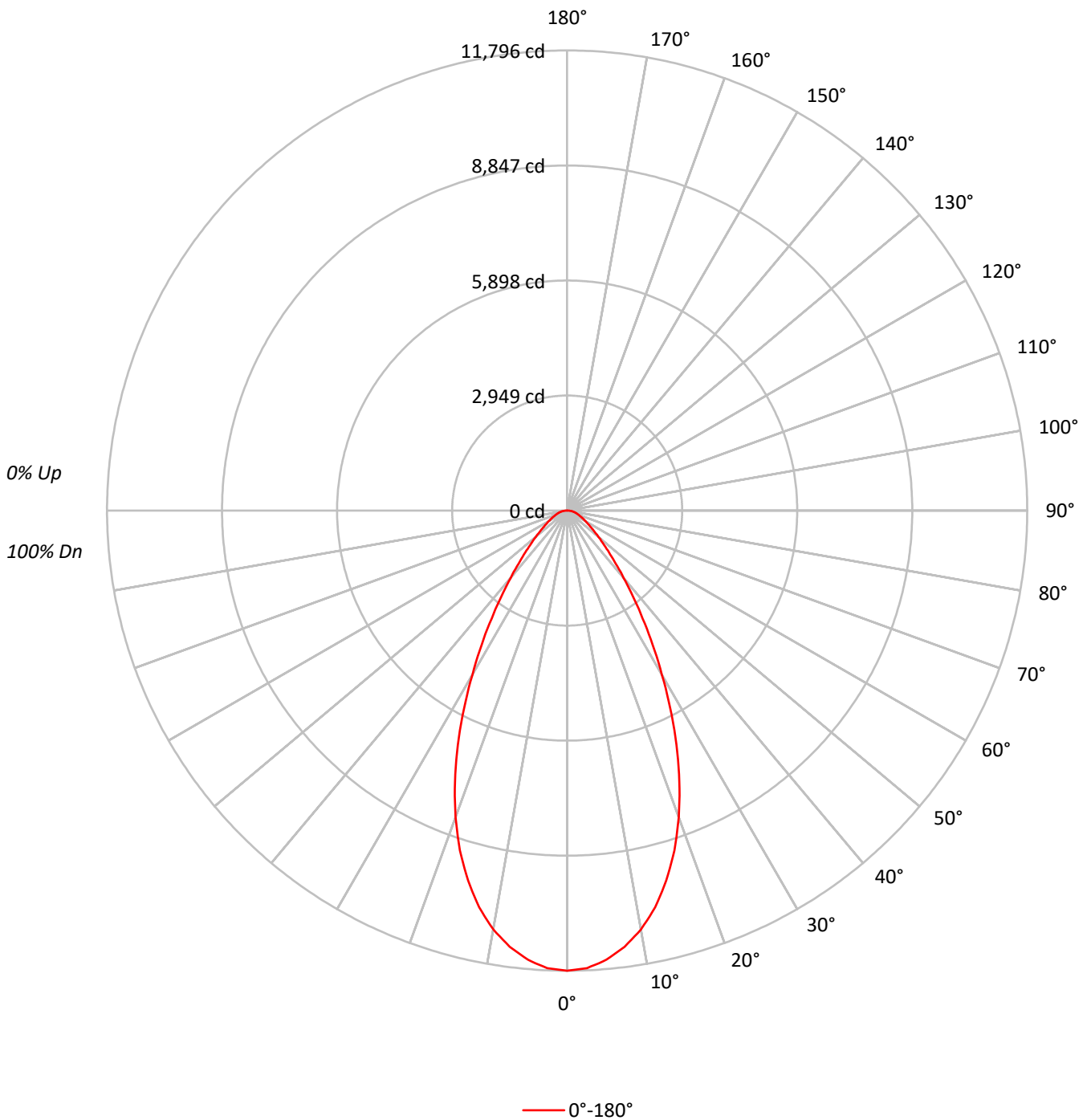
Input Watts (W): 85.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	95	90	103	98	93	89	94	91	87		91	88	86		88	86	84	82
3	99	91	85	81	97	90	84	80	87	83	79		85	81	77		82	79	76	75
4	93	84	78	73	91	83	77	72	81	76	72		79	74	71		77	73	70	68
5	88	78	71	66	86	77	71	66	75	70	65		73	69	65		72	68	64	63
6	83	73	66	61	81	72	65	61	70	65	60		69	64	60		67	63	59	58
7	78	68	61	56	77	67	61	56	66	60	56		65	59	56		63	59	55	54
8	74	64	57	52	73	63	57	52	62	56	52		61	55	52		60	55	51	50
9	70	60	53	49	69	59	53	49	58	52	48		57	52	48		56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45		54	49	45		53	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	81315
5°	79982
10°	76312
15°	70072
20°	61356
25°	50397
30°	38665
35°	28393
40°	20281
45°	14747
50°	11193
55°	8877
60°	7455
65°	6637
70°	6196
75°	6073
80°	6245
85°	6810



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1082.5	9.4
10°-20°	2727.6	23.6
20°-30°	3016.3	26.1
30°-40°	2129.9	18.4
40°-50°	1198.7	10.4
50°-60°	676.4	5.8
60°-70°	408.8	3.5
70°-80°	242.7	2.1
80°-90°	90.5	0.8
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°	6826.5	59.0
0°-40°	8956.3	77.4
0°-60°	10831.4	93.6
0°-90°	11573.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11573.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11796	
5°	11558	###
15°	9818	2728
25°	6626	3016
35°	3374	2130
45°	1513	1199
55°	739	676
65°	407	409
75°	228	243
85°	86	91
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11795.9
2.5°	11739.0
5°	11558.3
7.5°	11278.6
10°	10901.9
12.5°	10418.1
15°	9818.5
17.5°	9138.7
20°	8363.7
22.5°	7518.9
25°	6625.8
27.5°	5725.6
30°	4857.4
32.5°	4075.2
35°	3373.9
37.5°	2761.0
40°	2253.7
42.5°	1842.1
45°	1512.7
47.5°	1253.1
50°	1043.7
52.5°	874.4
55°	738.6
57.5°	629.6
60°	540.7
62.5°	468.1
65°	406.9
67.5°	354.3
70°	307.4
72.5°	266.3
75°	228.0
77.5°	193.1
80°	157.3
82.5°	121.9
85°	86.1
87.5°	45.9
90°	0.0

(END OF REPORT)