

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: P219308

Luminaire Tested: **SSLED-LD5-36-N-UNV-L850-CD2-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: P219308
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-LD5-36-N-UNV-L850-CD2-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) 5000K CCT, 80 CRI LEDs
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36788.9 lumens
Efficiency: N/A
Efficacy: 110.2 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

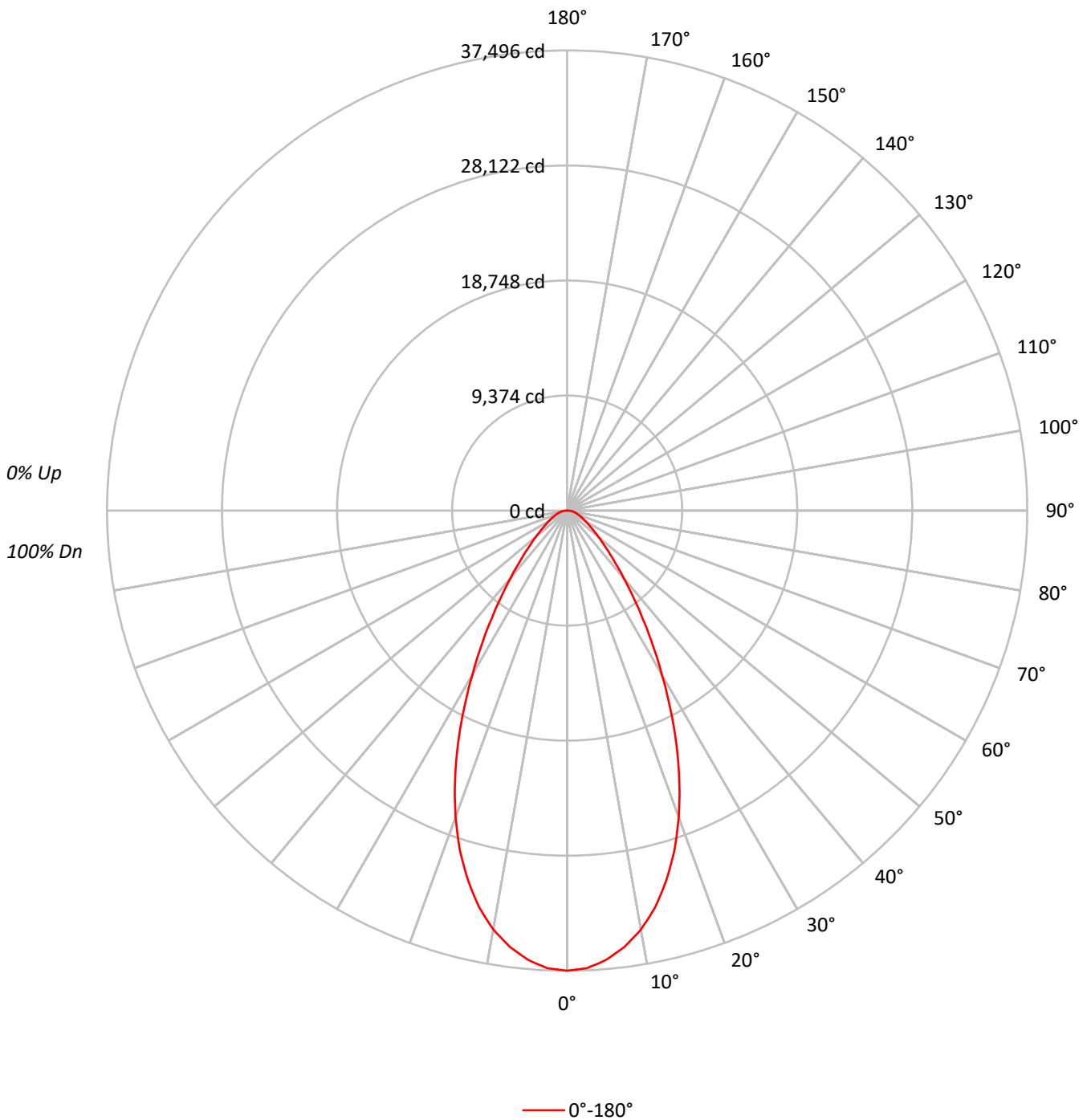
Input Watts (W): 333.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	258480
5°	254241
10°	242575
15°	222740
20°	195034
25°	160200
30°	122905
35°	90253
40°	64468
45°	46877
50°	35578
55°	28219
60°	23697
65°	21096
70°	19696
75°	19307
80°	19849
85°	21632



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3440.9	9.4
10°-20°	8670.4	23.6
20°-30°	9588.2	26.1
30°-40°	6770.3	18.4
40°-50°	3810.2	10.4
50°-60°	2150.2	5.8
60°-70°	1299.4	3.5
70°-80°	771.5	2.1
80°-90°	287.7	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°	21699.5	59.0
0°-40°	28469.8	77.4
0°-60°	34430.3	93.6
0°-90°	36788.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	36788.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	37496	
5°	36741	###
15°	31210	8670
25°	21062	9588
35°	10725	6770
45°	4808	3810
55°	2348	2150
65°	1293	1299
75°	725	772
85°	274	288
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	37496.0
2.5°	37315.2
5°	36740.7
7.5°	35851.7
10°	34654.2
12.5°	33116.2
15°	31210.5
17.5°	29049.4
20°	26586.0
22.5°	23900.6
25°	21061.8
27.5°	18200.2
30°	15440.4
32.5°	12954.1
35°	10724.7
37.5°	8776.4
40°	7164.0
42.5°	5855.5
45°	4808.4
47.5°	3983.2
50°	3317.5
52.5°	2779.6
55°	2348.0
57.5°	2001.5
60°	1718.8
62.5°	1487.8
65°	1293.3
67.5°	1126.1
70°	977.2
72.5°	846.5
75°	724.9
77.5°	614.0
80°	500.0
82.5°	387.5
85°	273.5
87.5°	145.9
90°	0.0

(END OF REPORT)