

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: P219307

Luminaire Tested: **SSLED-LD5-36-N-UNV-L840-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: P219307
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-L840-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) 4000K CCT, 80 CRI LEDs
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35661.0 lumens
Efficiency: N/A
Efficacy: 106.8 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

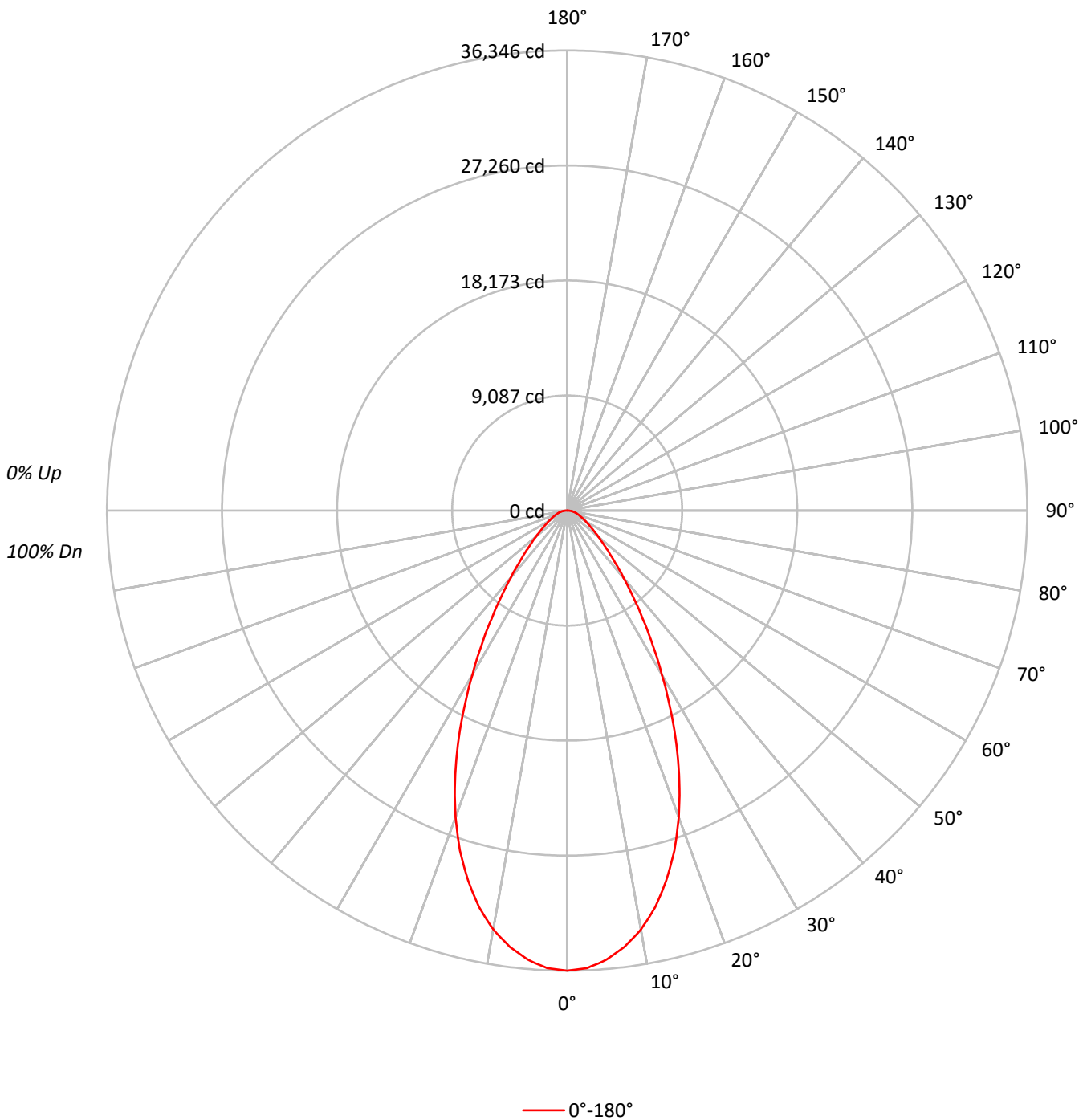
Input Watts (W): 333.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	250556
5°	246447
10°	235139
15°	215912
20°	189054
25°	155288
30°	119137
35°	87486
40°	62491
45°	45440
50°	34488
55°	27354
60°	22971
65°	20448
70°	19091
75°	18716
80°	19242
85°	20976



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3335.4	9.4
10°-20°	8404.6	23.6
20°-30°	9294.2	26.1
30°-40°	6562.7	18.4
40°-50°	3693.4	10.4
50°-60°	2084.3	5.8
60°-70°	1259.6	3.5
70°-80°	747.8	2.1
80°-90°	278.8	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°	21034.3	59.0
0°-40°	27597.0	77.4
0°-60°	33374.7	93.6
0°-90°	35661.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35661.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	36346	
5°	35614	###
15°	30254	8405
25°	20416	9294
35°	10396	6563
45°	4661	3693
55°	2276	2084
65°	1254	1260
75°	703	748
85°	265	279
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	36346.5
2.5°	36171.2
5°	35614.4
7.5°	34752.6
10°	33591.8
12.5°	32101.0
15°	30253.7
17.5°	28158.9
20°	25770.9
22.5°	23167.9
25°	20416.1
27.5°	17642.2
30°	14967.0
32.5°	12557.0
35°	10395.9
37.5°	8507.3
40°	6944.3
42.5°	5676.0
45°	4661.0
47.5°	3861.1
50°	3215.8
52.5°	2694.4
55°	2276.0
57.5°	1940.1
60°	1666.1
62.5°	1442.2
65°	1253.6
67.5°	1091.6
70°	947.2
72.5°	820.5
75°	702.7
77.5°	595.1
80°	484.7
82.5°	375.6
85°	265.2
87.5°	141.4
90°	0.0

(END OF REPORT)