

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: P219327

Luminaire Tested: **SSLED-LD5-36-N-UNV-L835-CD2-UPL-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: P219327
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27258)
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-L835-CD2-UPL-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH NARROW DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND. UPLIGHT REFLECTOR ACCESSORY INSTALLED. FIXTURE CENTERED TO LEDS
Light Source: (240) 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28819.8 lumens
Efficiency: N/A
Efficacy: 86.3 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

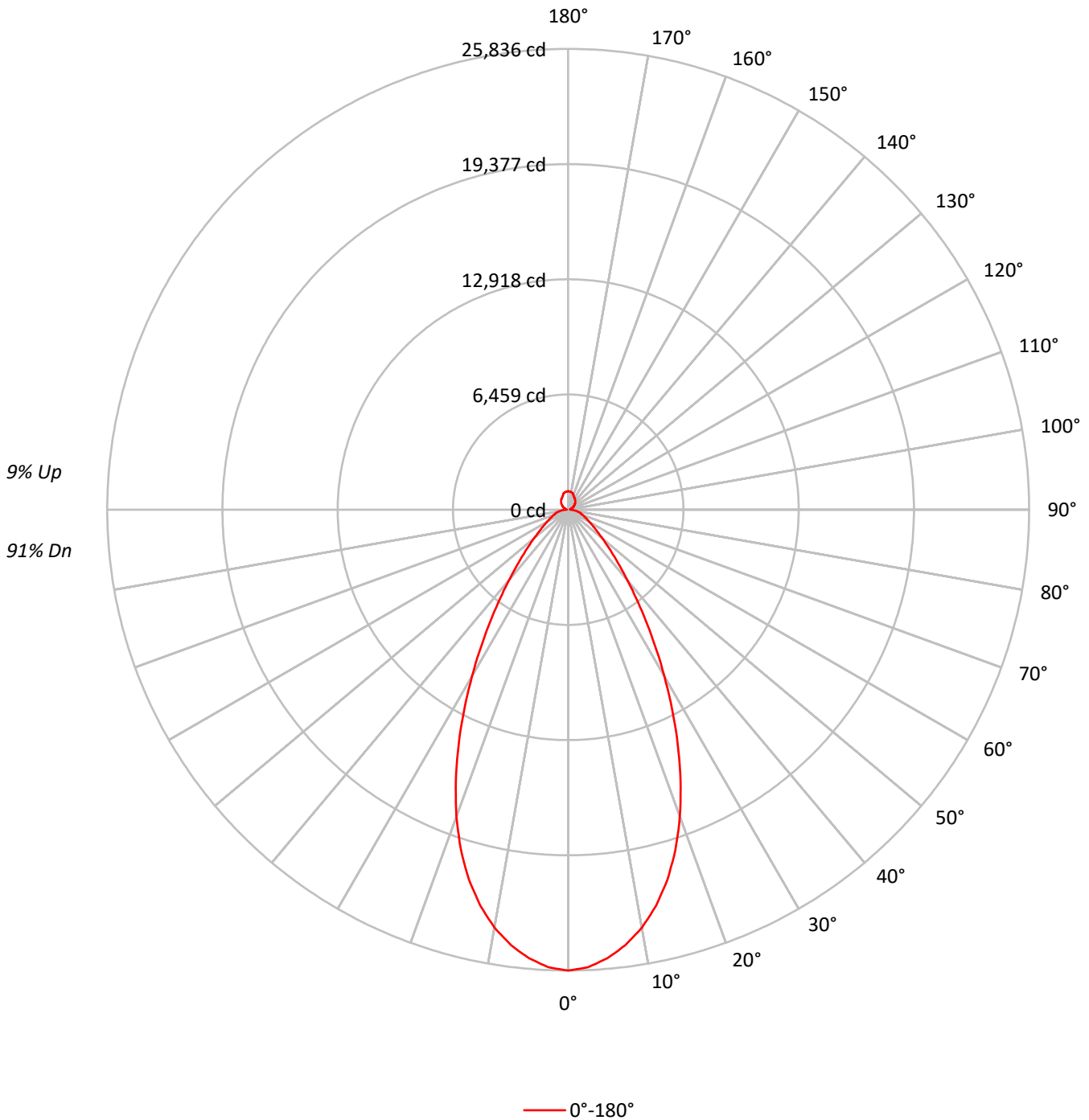
Input Watts (W): 333.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	91
1	109	106	103	100	106	103	100	97	97	95	93	92	90	88	87	86	84	82
2	102	96	91	87	99	94	89	85	89	85	82	85	82	79	80	78	76	74
3	96	88	82	77	93	86	80	76	82	77	73	78	74	71	75	72	69	67
4	90	81	74	69	87	79	73	68	76	70	66	72	68	64	69	66	63	61
5	84	74	67	62	82	73	66	62	70	65	60	67	63	59	65	61	58	56
6	79	69	62	57	77	68	61	56	65	60	55	63	58	54	61	56	53	51
7	75	64	57	52	73	63	57	52	61	55	51	59	54	50	57	53	49	48
8	71	60	53	48	69	59	53	48	57	51	47	55	50	47	54	49	46	44
9	67	56	49	45	65	55	49	45	54	48	44	52	47	43	51	46	43	41
10	64	53	46	42	62	52	46	42	51	45	41	49	44	41	48	43	40	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	178103
5°	174656
10°	166533
15°	153255
20°	134284
25°	110493
30°	85670
35°	63530
40°	46269
45°	34563
50°	26692
55°	21834
60°	19066
65°	17569
70°	17239
75°	18415
80°	20286
85°	22874



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2363.7	8.2
10°-20°	5962.0	20.7
20°-30°	6622.2	23.0
30°-40°	4768.8	16.5
40°-50°	2795.2	9.7
50°-60°	1659.9	5.8
60°-70°	1081.7	3.8
70°-80°	726.5	2.5
80°-90°	342.3	1.2
90°-100°	121.0	0.4
100°-110°	150.9	0.5
110°-120°	274.2	1.0
120°-130°	371.8	1.3
130°-140°	429.3	1.5
140°-150°	424.8	1.5
150°-160°	363.1	1.3
160°-170°	265.8	0.9
170°-180°	96.7	0.3
0°-30°	14947.8	51.9
0°-40°	19716.6	68.4
0°-60°	24171.7	83.9
0°-90°	26322.3	91.3
90°-120°	546.0	1.9
90°-150°	1771.9	6.1
90°-180°	2498.0	8.7
0°-180°	28819.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	25836	
5°	25240	###
15°	21474	5962
25°	14527	6622
35°	7549	4769
45°	3545	2795
55°	1817	1660
65°	1077	1082
75°	691	726
85°	289	291
90°	157	87
95°	102	86
105°	135	151
115°	280	274
125°	415	372
135°	556	429
145°	679	425
155°	784	363
165°	959	266
175°	1023	97
180°	1034	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	25836.2
2.5°	25676.4
5°	25239.8
7.5°	24613.1
10°	23790.8
12.5°	22734.4
15°	21474.1
17.5°	19990.8
20°	18304.9
22.5°	16457.9
25°	14526.8
27.5°	12599.9
30°	10762.6
32.5°	9069.8
35°	7549.2
37.5°	6233.9
40°	5141.6
42.5°	4256.0
45°	3545.3
47.5°	2964.0
50°	2488.9
52.5°	2111.5
55°	1816.7
57.5°	1578.4
60°	1382.9
62.5°	1217.6
65°	1077.1
67.5°	958.6
70°	855.3
72.5°	771.3
75°	691.4
77.5°	606.0
80°	511.0
82.5°	414.6
85°	289.2
87.5°	219.0
90°	157.0
92.5°	100.5
95°	101.9
97.5°	106.1
100°	112.9
102.5°	121.2
105°	135.0
107.5°	159.8
110°	198.3



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	242.4
115°	279.6
117.5°	314.0
120°	347.1
122.5°	380.1
125°	414.6
127.5°	450.4
130°	489.0
132.5°	523.4
135°	556.4
137.5°	589.5
140°	621.2
142.5°	651.5
145°	679.0
147.5°	706.6
150°	731.4
152.5°	756.2
155°	783.7
157.5°	816.8
160°	859.5
162.5°	914.6
165°	958.6
167.5°	977.9
170°	994.4
172.5°	1009.6
175°	1023.4
177.5°	1030.3
180°	1034.4

(END OF REPORT)