

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: P219453

Luminaire Tested: **SSLED-LD5-36-W-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: P219453
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27260)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SSLED-LD5-36-W-UNV-L835-CD2-UPL-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH WIDE 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: 29724.7 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Spacing Criteria (0/90/45): 1.87 / 1.87 / 1.66
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

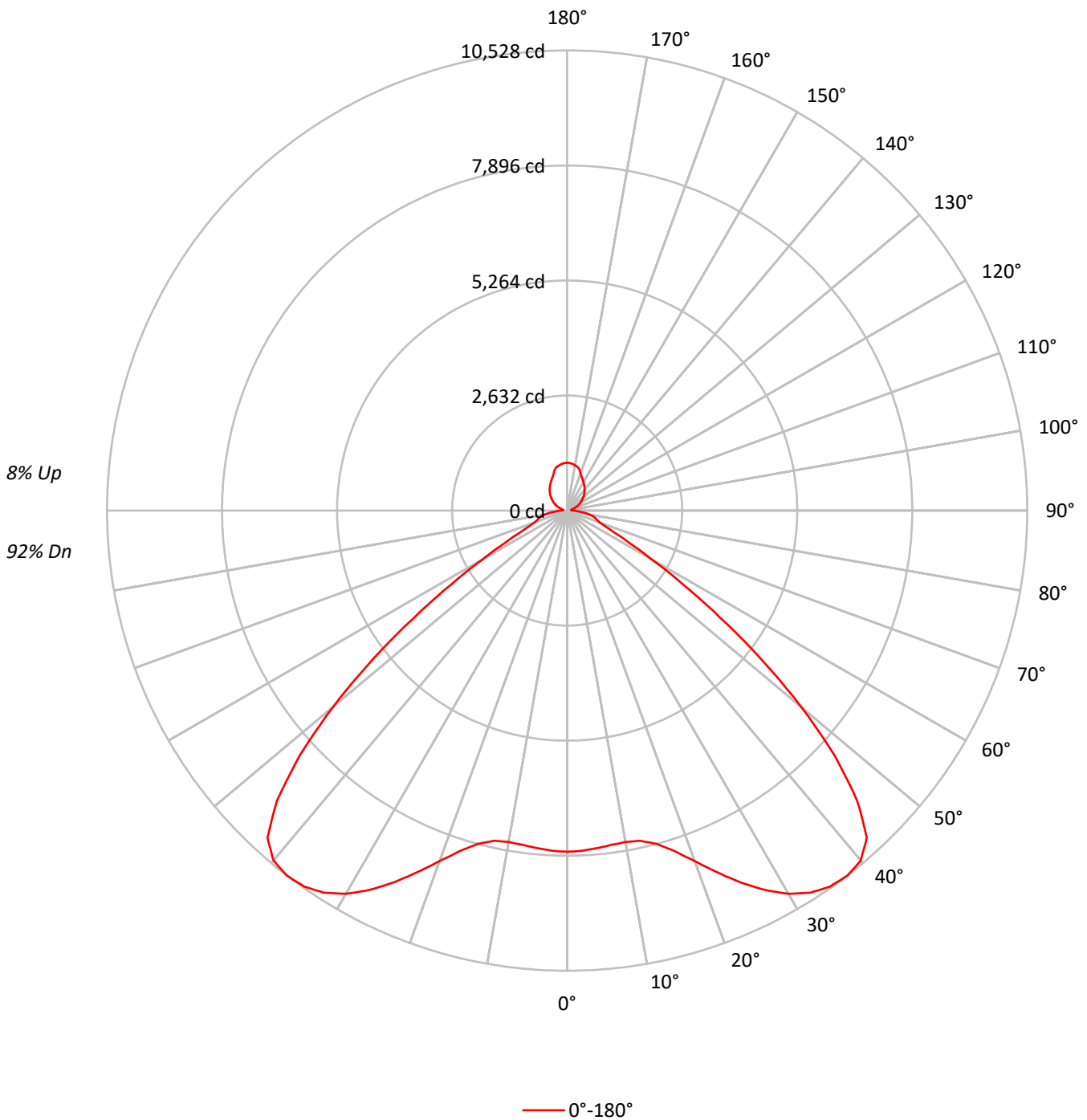
Input Watts (W): 333.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92
1	108	104	100	97	105	101	98	95	95	93	90	90	88	86	85	84	82	80
2	100	92	86	81	96	90	84	80	85	80	77	81	77	74	76	73	71	68
3	91	82	75	69	88	80	73	68	76	70	65	72	67	63	68	65	61	59
4	84	73	65	59	81	71	64	58	68	61	56	64	59	55	61	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49	58	52	48	55	50	46	44
6	71	59	50	44	69	57	50	44	55	48	43	52	46	42	50	45	41	39
7	66	53	45	39	64	52	44	39	50	43	38	48	41	37	46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	43	37	33	42	36	32	30
9	57	44	36	31	55	43	36	30	41	35	30	40	34	29	38	33	29	27
10	53	40	33	28	51	39	32	27	38	31	27	36	30	26	35	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	53797
5°	53650
10°	53894
15°	56314
20°	62595
25°	71364
30°	80582
35°	88323
40°	94049
45°	91495
50°	75111
55°	51564
60°	30687
65°	19546
70°	15989
75°	17792
80°	20230
85°	22439



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	738.2	2.5
10°-20°	2273.4	7.6
20°-30°	4355.1	14.7
30°-40°	6548.9	22.0
40°-50°	7041.5	23.7
50°-60°	3923.6	13.2
60°-70°	1294.4	4.4
70°-80°	698.0	2.3
80°-90°	336.1	1.1
90°-100°	112.0	0.4
100°-110°	145.9	0.5
110°-120°	270.5	0.9
120°-130°	370.6	1.2
130°-140°	428.4	1.4
140°-150°	429.1	1.4
150°-160°	376.5	1.3
160°-170°	280.2	0.9
170°-180°	102.3	0.3
0°-30°	7366.7	24.8
0°-40°	13915.6	46.8
0°-60°	24880.7	83.7
0°-90°	27209.2	91.5
90°-120°	528.4	1.8
90°-150°	1756.5	5.9
90°-180°	2516.0	8.5
0°-180°	29724.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7804	
5°	7753	738
15°	7891	2273
25°	9382	4355
35°	10495	6549
45°	9385	7041
55°	4290	3924
65°	1198	1294
75°	668	698
85°	284	287
90°	149	82
95°	94	79
105°	132	146
115°	277	270
125°	415	371
135°	556	428
145°	686	429
155°	814	377
165°	1011	280
175°	1084	102
180°	1092	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7804.0
2.5°	7791.6
5°	7753.0
7.5°	7714.4
10°	7699.3
12.5°	7737.9
15°	7890.7
17.5°	8164.8
20°	8532.6
22.5°	8952.7
25°	9382.4
27.5°	9783.2
30°	10123.4
32.5°	10363.0
35°	10495.3
37.5°	10528.3
40°	10451.2
42.5°	10148.2
45°	9385.1
47.5°	8301.2
50°	7003.7
52.5°	5623.6
55°	4290.4
57.5°	3150.0
60°	2225.8
62.5°	1606.0
65°	1198.3
67.5°	938.0
70°	793.3
72.5°	719.0
75°	668.0
77.5°	604.6
80°	509.6
82.5°	411.8
85°	283.7
87.5°	209.4
90°	148.8
92.5°	93.7
95°	93.7
97.5°	96.4
100°	104.7
102.5°	115.7
105°	132.2
107.5°	155.6
110°	194.2



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	238.3
115°	276.8
117.5°	309.9
120°	343.0
122.5°	380.1
125°	414.6
127.5°	449.0
130°	484.8
132.5°	520.6
135°	556.4
137.5°	589.5
140°	622.6
142.5°	654.2
145°	685.9
147.5°	716.2
150°	749.3
152.5°	780.9
155°	814.0
157.5°	851.2
160°	900.8
162.5°	964.1
165°	1011.0
167.5°	1033.0
170°	1049.5
172.5°	1068.8
175°	1084.0
177.5°	1090.8
180°	1092.2

(END OF REPORT)