

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: P219390

Luminaire Tested: **SSLED-LD5-36-M-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: P219390
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27259)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SSLED-LD5-36-M-UNV-L835-CD2-UPL-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH MEDIUM 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: 29560.8 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.18
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

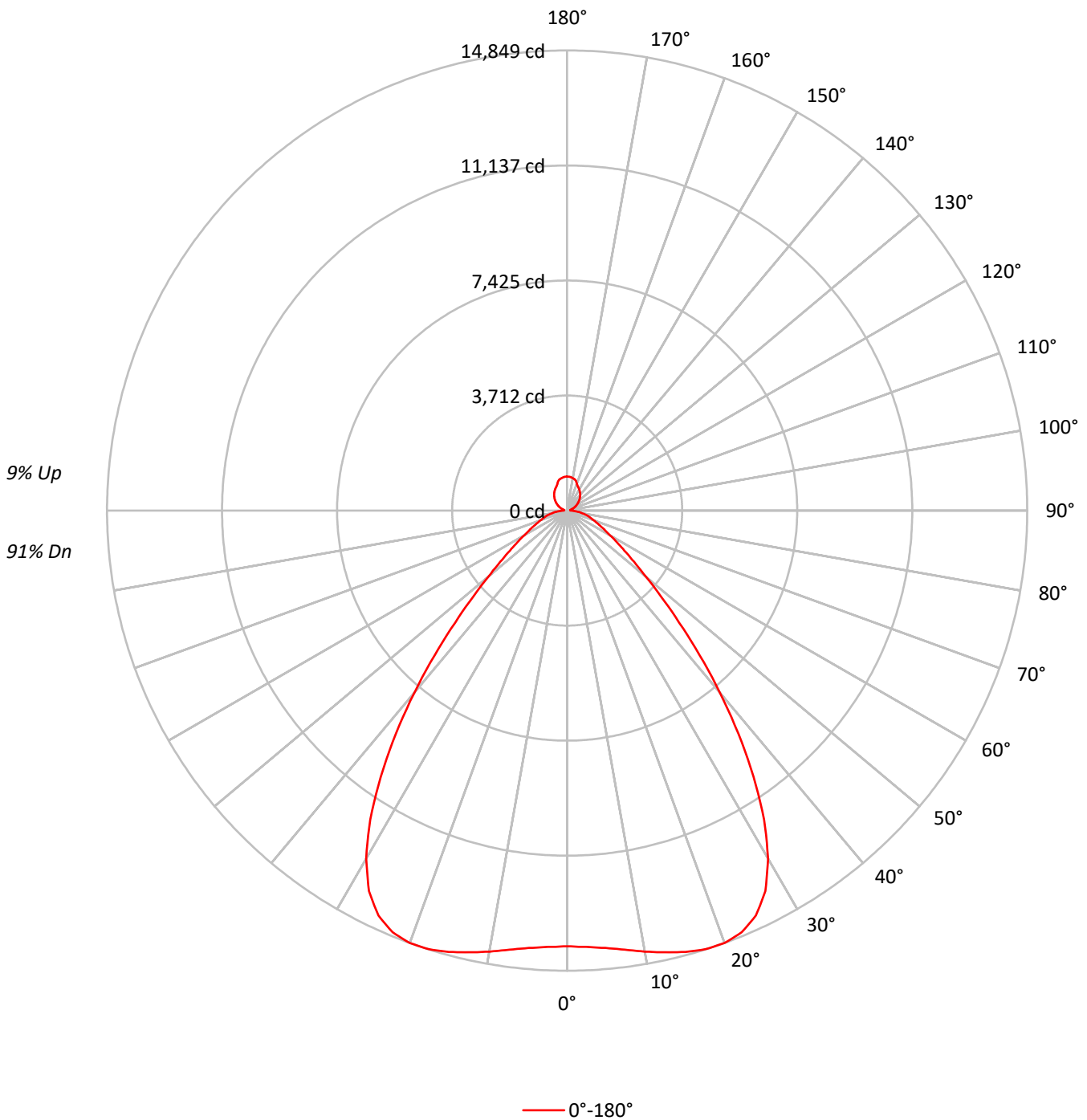
Input Watts (W): 333.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	102	99	105	102	99	96	96	94	92	91	89	87	86	85	83	81
2	101	95	89	85	98	92	87	83	87	83	80	83	80	77	79	76	74	72
3	94	86	79	74	91	83	77	73	79	74	70	76	71	68	72	69	66	64
4	88	78	70	65	85	76	69	64	72	67	62	69	64	61	66	62	59	57
5	82	71	63	58	79	69	62	57	66	60	56	64	58	54	61	57	53	51
6	76	65	57	52	74	64	56	51	61	55	50	59	53	49	56	52	48	46
7	71	60	52	47	69	58	51	46	56	50	46	54	49	45	52	47	44	42
8	67	55	48	43	65	54	47	42	52	46	41	50	45	41	49	44	40	38
9	63	51	44	39	61	50	43	39	48	42	38	47	41	37	45	40	37	35
10	59	47	40	36	57	47	40	35	45	39	35	44	38	34	42	37	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	96913
5°	98026
10°	101165
15°	105227
20°	108932
25°	109655
30°	103244
35°	88207
40°	69025
45°	49790
50°	35481
55°	27098
60°	22160
65°	19478
70°	18267
75°	18820
80°	20123
85°	21680



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1361.4	4.6
10°-20°	4175.8	14.1
20°-30°	6559.2	22.2
30°-40°	6483.2	21.9
40°-50°	4024.9	13.6
50°-60°	2078.7	7.0
60°-70°	1203.7	4.1
70°-80°	745.3	2.5
80°-90°	328.6	1.1
90°-100°	117.8	0.4
100°-110°	154.3	0.5
110°-120°	274.2	0.9
120°-130°	381.1	1.3
130°-140°	446.9	1.5
140°-150°	450.2	1.5
150°-160°	388.8	1.3
160°-170°	283.9	1.0
170°-180°	103.0	0.3
0°-30°	12096.5	40.9
0°-40°	18579.6	62.9
0°-60°	24683.2	83.5
0°-90°	26960.8	91.2
90°-120°	546.2	1.8
90°-150°	1824.4	6.2
90°-180°	2600.0	8.8
0°-180°	29560.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14058	
5°	14166	###
15°	14744	4176
25°	14417	6559
35°	10482	6483
45°	5107	4025
55°	2255	2079
65°	1194	1204
75°	707	745
85°	274	281
90°	146	81
95°	100	85
105°	139	154
115°	278	274
125°	426	381
135°	580	447
145°	720	450
155°	840	389
165°	1023	284
175°	1090	103
180°	1096	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14058.5
2.5°	14094.3
5°	14165.9
7.5°	14288.5
10°	14452.4
12.5°	14599.7
15°	14744.4
17.5°	14842.2
20°	14849.0
22.5°	14726.5
25°	14416.6
27.5°	13845.0
30°	12970.4
32.5°	11824.4
35°	10481.5
37.5°	9073.9
40°	7670.4
42.5°	6326.1
45°	5107.2
47.5°	4105.8
50°	3308.4
52.5°	2717.5
55°	2254.7
57.5°	1902.1
60°	1607.3
62.5°	1377.3
65°	1194.1
67.5°	1039.9
70°	906.3
72.5°	801.6
75°	706.6
77.5°	608.8
80°	506.9
82.5°	402.2
85°	274.1
87.5°	203.8
90°	146.0
92.5°	95.0
95°	100.5
97.5°	106.1
100°	114.3
102.5°	125.3
105°	139.1
107.5°	162.5
110°	201.1



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	241.0
115°	278.2
117.5°	314.0
120°	349.8
122.5°	388.4
125°	425.6
127.5°	464.2
130°	504.1
132.5°	542.7
135°	579.9
137.5°	615.7
140°	651.5
142.5°	687.3
145°	720.3
147.5°	752.0
150°	782.3
152.5°	809.9
155°	840.2
157.5°	874.6
160°	918.7
162.5°	977.9
165°	1023.4
167.5°	1044.0
170°	1059.2
172.5°	1075.7
175°	1089.5
177.5°	1095.0
180°	1096.4

(END OF REPORT)