

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: P219439

Luminaire Tested: **SSLED-LD5-12-W-UNV-L840-CD1-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: P219439
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-LD5-12-W-UNV-L840-CD1-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) 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11034.8 lumens
Efficiency: N/A
Efficacy: 129.4 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

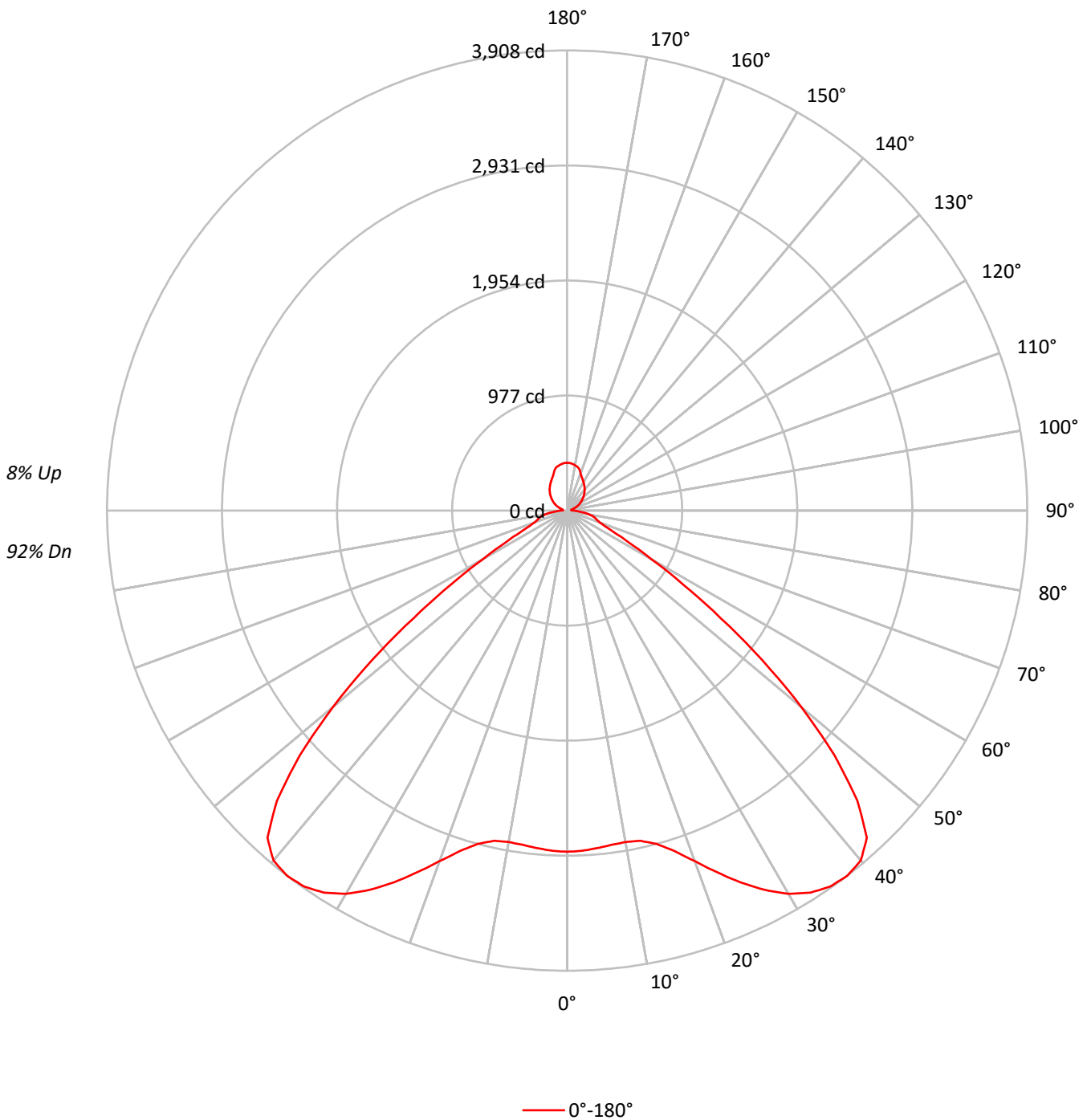
Input Watts (W): 85.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	19971
5°	19917
10°	20007
15°	20906
20°	23237
25°	26492
30°	29914
35°	32788
40°	34914
45°	33966
50°	27884
55°	19142
60°	11392
65°	7255
70°	5936
75°	6605
80°	7511
85°	8329



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.0	2.5
10°-20°	844.0	7.6
20°-30°	1616.7	14.7
30°-40°	2431.2	22.0
40°-50°	2614.0	23.7
50°-60°	1456.6	13.2
60°-70°	480.5	4.4
70°-80°	259.1	2.3
80°-90°	124.8	1.1
90°-100°	41.6	0.4
100°-110°	54.2	0.5
110°-120°	100.4	0.9
120°-130°	137.6	1.2
130°-140°	159.0	1.4
140°-150°	159.3	1.4
150°-160°	139.8	1.3
160°-170°	104.0	0.9
170°-180°	38.0	0.3
0°-30°	2734.7	24.8
0°-40°	5165.9	46.8
0°-60°	9236.5	83.7
0°-90°	10100.9	91.5
90°-120°	196.2	1.8
90°-150°	652.1	5.9
90°-180°	934.0	8.5
0°-180°	11034.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2897	
5°	2878	274
15°	2929	844
25°	3483	1617
35°	3896	2431
45°	3484	2614
55°	1593	1457
65°	445	481
75°	248	259
85°	105	107
90°	55	31
95°	35	29
105°	49	54
115°	103	100
125°	154	138
135°	207	159
145°	255	159
155°	302	140
165°	375	104
175°	402	38
180°	406	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2897.1
2.5°	2892.5
5°	2878.2
7.5°	2863.8
10°	2858.2
12.5°	2872.5
15°	2929.3
17.5°	3031.0
20°	3167.6
22.5°	3323.5
25°	3483.0
27.5°	3631.8
30°	3758.1
32.5°	3847.1
35°	3896.2
37.5°	3908.5
40°	3879.8
42.5°	3767.3
45°	3484.1
47.5°	3081.7
50°	2600.0
52.5°	2087.7
55°	1592.7
57.5°	1169.4
60°	826.3
62.5°	596.2
65°	444.8
67.5°	348.2
70°	294.5
72.5°	266.9
75°	248.0
77.5°	224.5
80°	189.2
82.5°	152.9
85°	105.3
87.5°	77.7
90°	55.2
92.5°	34.8
95°	34.8
97.5°	35.8
100°	38.9
102.5°	43.0
105°	49.1
107.5°	57.8
110°	72.1



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	88.5
115°	102.8
117.5°	115.0
120°	127.3
122.5°	141.1
125°	153.9
127.5°	166.7
130°	180.0
132.5°	193.3
135°	206.6
137.5°	218.8
140°	231.1
142.5°	242.9
145°	254.6
147.5°	265.9
150°	278.2
152.5°	289.9
155°	302.2
157.5°	316.0
160°	334.4
162.5°	357.9
165°	375.3
167.5°	383.5
170°	389.6
172.5°	396.8
175°	402.4
177.5°	405.0
180°	405.5

(END OF REPORT)