

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: SURE-LITES

Report Number: G2-2311-226-1

Luminaire Tested: **APC7RG / APCH7RG (ONE HEAD ONLY)**

Test Date: 11/9/2023

Test Information

Test Method: LM-79-08
Report Number: G2-2311-226-1
Test Lab: COOPER LIGHTING SOLUTIONS
Test Date: 11/9/2023
Issue Date: 11/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SURE-LITES
Catalog Number: APC7RG / APCH7RG (ONE HEAD ONLY)
Description: APC7RG / APCH7RG EMERGENCY
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 67.9 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.31
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

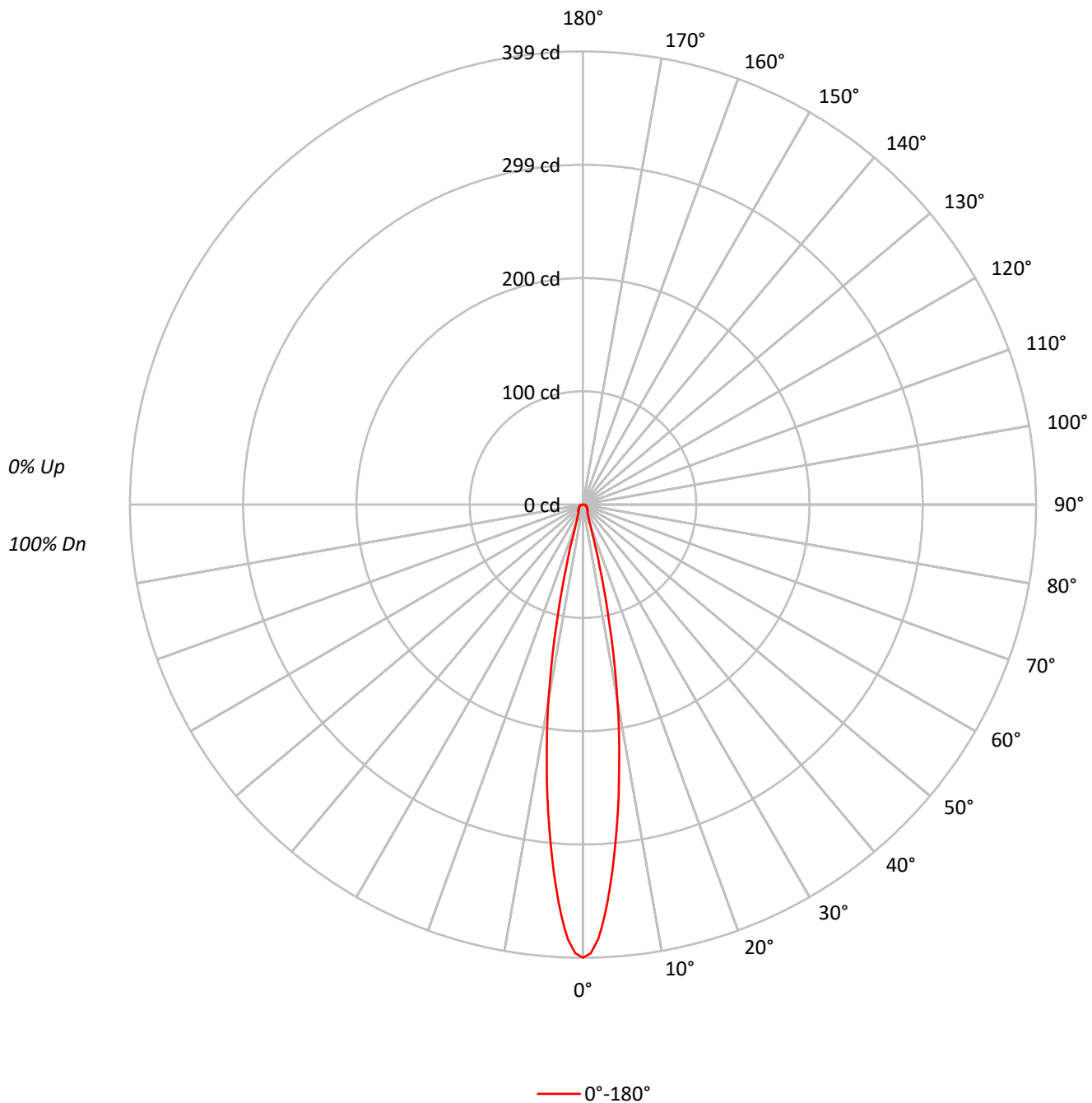
Input Watts (W): 0.532
Input Voltage (V): 3.60
Input Current (Ain): 0.148
Voltage Rise (V): NR
Power Factor: 1
Total Harmonic Distortion (THDi): 0.0
Frequency (hertz): 60
Stabilization Time: 0.333 HR
Operation Time: 1.5 HR
Ambient Temperature (°C): 24.7
Test Distance: 25 FT



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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				0
RW	70	50	30	10	70	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		100
1	112	109	106	104	110	107	105	102	103	101	99		99	98	96		91
2	107	101	97	93	104	100	96	92	96	93	90		93	91	88		85
3	102	95	90	86	100	94	89	85	91	87	84		89	85	82		80
4	97	90	84	80	96	89	84	80	87	82	79		85	81	78		75
5	94	86	80	76	92	85	79	75	83	78	75		81	77	74		72
6	90	82	76	72	89	81	76	72	80	75	72		78	74	71		69
7	87	79	73	69	86	78	73	69	77	72	69		76	72	69		67
8	84	76	71	67	83	75	70	67	74	70	67		73	69	66		65
9	82	74	68	65	81	73	68	65	72	68	65		71	67	64		63
10	80	71	66	63	79	71	66	63	70	66	63		69	66	63		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	196858
5°	154522
10°	87673
15°	28604
20°	9451
25°	5988
30°	4558
35°	4216
40°	3864
45°	3489
50°	3838
55°	3441
60°	3947
65°	3502
70°	4328
75°	5719
80°	5683
85°	5661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.3	37.3
10°-20°	17.9	26.4
20°-30°	5.2	7.7
30°-40°	4.4	6.5
40°-50°	4.1	6.1
50°-60°	3.7	5.4
60°-70°	3.3	4.9
70°-80°	2.8	4.1
80°-90°	1.1	1.6
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°	48.5	71.4
0°-40°	52.8	77.8
0°-60°	60.7	89.4
0°-90°	67.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	67.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	399	
5°	312	25
15°	56	18
25°	11	5
35°	7	4
45°	5	4
55°	4	4
65°	3	3
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	399
1°	395
2°	383
3°	363
4°	339
5°	312
6°	285
7°	258
8°	229
9°	202
10°	175
11°	148
12°	121
13°	95
14°	74
15°	56
17.5°	28
20°	18
22.5°	13
25°	11
27.5°	9
30°	8
32.5°	7
35°	7
37.5°	7
40°	6
42.5°	6
45°	5
47.5°	5
50°	5
52.5°	4
55°	4
57.5°	4
60°	4
62.5°	4
65°	3
67.5°	3
70°	3
72.5°	3
75°	3
77.5°	2
80°	2
82.5°	1
85°	1
87.5°	1

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)