

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1312590

Luminaire Tested: P3SQAS17R309727DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312590
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R309727DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

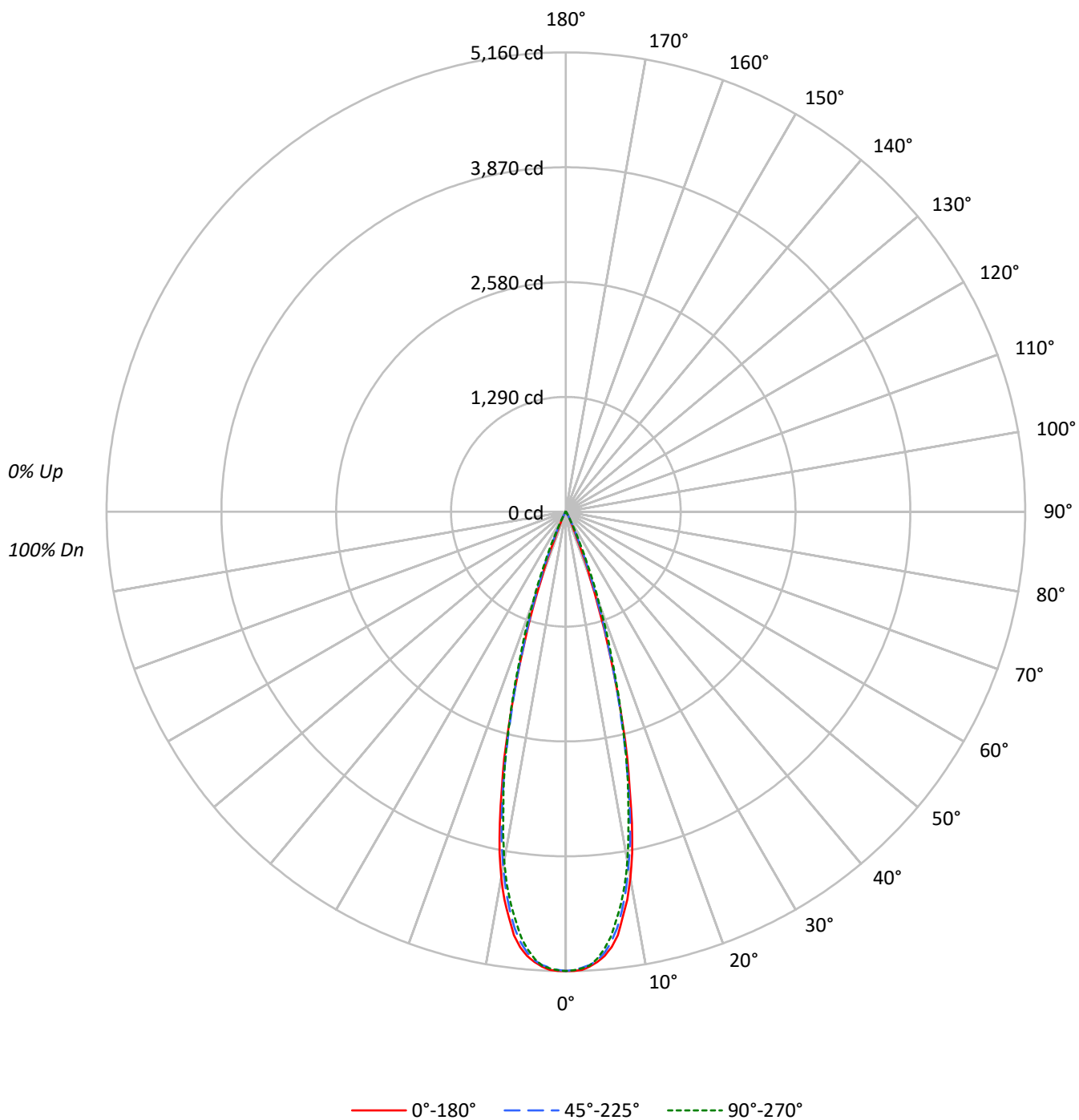
Lumens per Lamp: N/A
Luminaire Lumens: 1250.0 lumens
Efficiency: N/A
Efficacy: 59.0 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
Input Voltage (V): NR
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: 24 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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	110	113	111	109	108	107	106	105		103	103	102		100
2	112	108	105	103	110	107	104	102	104	101	100		101	99	98		98
3	108	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	105	100	97	94	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	93	90	95	91	89		93	90	88		92
6	100	94	90	87	99	93	90	87	92	89	86		91	88	86		90
7	97	91	87	84	96	91	87	84	90	86	84		88	86	83		88
8	95	89	85	82	94	88	84	82	87	84	82		86	83	81		86
9	92	86	82	80	92	86	82	80	85	82	79		84	81	79		84
10	90	84	80	78	90	84	80	78	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	888462	888462	888462
5°	865578	859631	852543
10°	730471	708052	696562
15°	440200	427915	435796
20°	149315	172426	198891
25°	27440	43003	50794
30°	9426	10500	11793
35°	2712	3406	3616
40°	719	1214	967
45°	268	268	268
50°	295	0	295
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 311 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	446.1	35.7
10°-20°	651.9	52.2
20°-30°	138.0	11.0
30°-40°	12.7	1.0
40°-50°	1.2	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1236.0	98.9
0°-40°	1248.7	99.9
0°-60°	1250.0	100.0
0°-90°	1250.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1250.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5159	5159	5159	5159	5159	
5°	5007	4997	4972	4957	4931	452
15°	2469	2460	2400	2456	2444	651
25°	144	162	226	266	267	105
35°	13	16	16	19	17	11
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5158.8	5158.8	5158.8	5158.8	5158.8
1°	5159.9	5154.5	5146.9	5157.7	5150.2
2°	5149.1	5136.2	5125.4	5136.2	5132.9
3°	5116.8	5106.0	5098.5	5103.8	5103.8
4°	5068.3	5056.4	5050.0	5051.0	5034.9
5°	5006.8	4997.1	4972.4	4957.3	4931.4
6°	4916.3	4892.6	4862.4	4837.7	4804.2
7°	4793.5	4756.8	4713.7	4670.6	4628.6
8°	4596.3	4579.0	4520.8	4491.7	4449.7
9°	4410.9	4368.9	4306.4	4258.9	4236.3
10°	4177.0	4114.5	4048.8	4011.1	3983.1
11°	3900.1	3836.5	3783.7	3728.7	3685.6
12°	3574.6	3520.7	3460.4	3423.8	3373.1
13°	3188.8	3181.3	3113.4	3101.5	3095.1
14°	2858.0	2827.8	2761.0	2779.3	2783.6
15°	2468.9	2460.3	2400.0	2456.0	2444.2
17.5°	1546.5	1549.7	1587.4	1675.8	1703.8
20°	814.7	839.5	940.8	1047.5	1085.2
22.5°	329.8	384.7	488.2	560.4	608.9
25°	144.4	161.7	226.3	266.2	267.3
27.5°	81.9	83.0	108.8	113.2	115.3
30°	47.4	48.5	52.8	56.0	59.3
32.5°	25.9	28.0	29.1	33.4	33.4
35°	12.9	16.2	16.2	19.4	17.2
37.5°	7.5	8.6	9.7	9.7	8.6
40°	3.2	4.3	5.4	5.4	4.3
42.5°	1.1	2.2	2.2	2.2	3.2
45°	1.1	1.1	1.1	1.1	1.1
47.5°	1.1	1.1	0.0	1.1	1.1
50°	1.1	0.0	0.0	0.0	1.1
52.5°	1.1	0.0	0.0	0.0	1.1
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)