

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: P1313750

Luminaire Tested: P3SQAS20R409730D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313750
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R409730D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

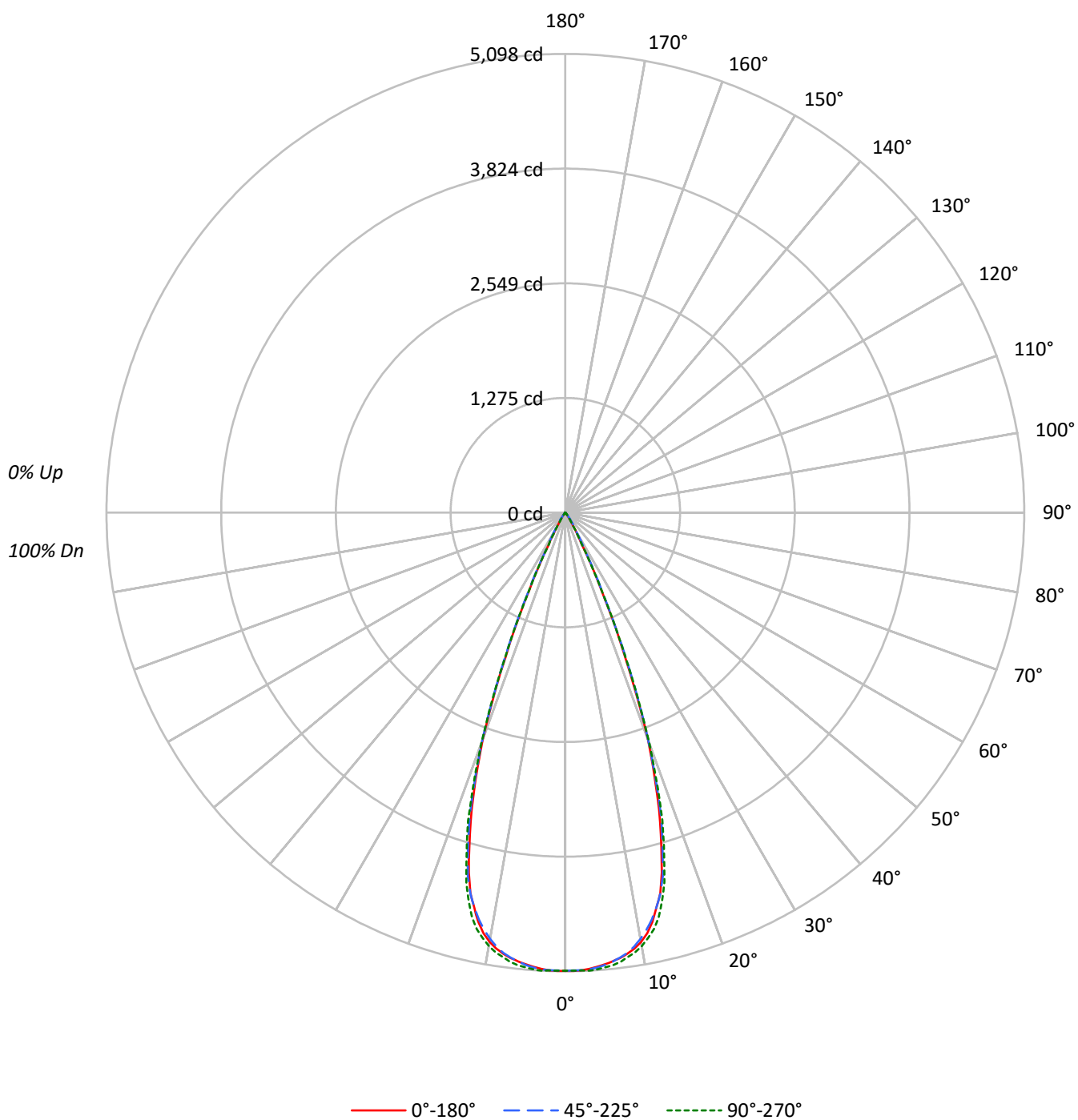
Lumens per Lamp: N/A
Luminaire Lumens: 2154.9 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	112	110	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		93
4	103	97	93	90	101	96	92	89	94	91	88		92	89	87		91
5	99	93	89	85	98	92	88	85	91	87	84		89	86	84		88
6	96	89	85	82	95	89	84	81	87	84	81		86	83	80		85
7	93	86	81	78	92	85	81	78	84	80	78		83	80	77		82
8	90	83	78	75	89	82	78	75	81	77	75		80	77	74		80
9	87	80	75	72	86	79	75	72	79	75	72		78	74	72		77
10	84	77	73	70	84	77	73	70	76	72	70		75	72	69		75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	876923	876923	876923
5°	871110	872424	877127
10°	847518	841170	855213
15°	738457	746017	757624
20°	491875	494386	499096
25°	178834	184307	179689
30°	37963	50929	37963
35°	13372	22622	12741
40°	4766	7149	4766
45°	1096	2947	1096
50°	804	1206	804
55°	901	901	901
60°	1033	1033	1033
65°	611	1223	611
70°	755	755	755
75°	998	998	998
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2947 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	475.8	22.1
10°-20°	1108.8	51.5
20°-30°	499.0	23.2
30°-40°	56.8	2.6
40°-50°	8.1	0.4
50°-60°	2.7	0.1
60°-70°	2.3	0.1
70°-80°	1.4	0.1
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°	2083.6	96.7
0°-40°	2140.4	99.3
0°-60°	2151.2	99.8
0°-90°	2154.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2154.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5092	5092	5092	5092	5092	
5°	5039	5033	5046	5069	5074	475
15°	4142	4152	4184	4217	4249	1100
25°	941	947	970	970	946	487
35°	64	71	108	68	61	48
45°	4	8	12	8	4	6
55°	3	3	3	3	3	3
65°	2	3	3	3	2	2
75°	2	2	2	2	2	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5091.8	5091.8	5091.8	5091.8	5091.8
1°	5094.9	5090.3	5088.8	5097.9	5090.3
2°	5090.3	5087.3	5088.8	5097.9	5091.8
3°	5076.7	5078.2	5082.7	5099.4	5097.9
4°	5060.0	5058.5	5067.6	5088.8	5088.8
5°	5038.8	5032.7	5046.4	5069.1	5073.6
6°	5014.5	5007.0	5017.6	5046.4	5057.0
7°	4987.3	4972.1	4981.2	5016.0	5029.7
8°	4950.9	4931.2	4941.8	4976.6	4987.3
9°	4905.4	4875.1	4884.2	4926.6	4947.9
10°	4846.3	4808.4	4810.0	4856.9	4890.3
11°	4763.0	4720.5	4722.1	4781.2	4816.0
12°	4652.3	4614.5	4622.0	4676.6	4732.7
13°	4502.3	4491.7	4500.8	4559.9	4611.4
14°	4356.8	4346.2	4362.9	4417.5	4441.7
15°	4141.7	4152.3	4184.1	4217.4	4249.2
17.5°	3459.7	3500.6	3538.5	3561.2	3588.5
20°	2683.8	2636.8	2697.5	2670.2	2723.2
22.5°	1732.1	1767.0	1782.1	1767.0	1773.0
25°	941.1	947.1	969.9	969.9	945.6
27.5°	400.1	431.9	460.7	450.1	400.1
30°	190.9	219.7	256.1	221.3	190.9
32.5°	107.6	127.3	165.2	124.3	104.6
35°	63.6	71.2	107.6	68.2	60.6
37.5°	37.9	39.4	59.1	40.9	36.4
40°	21.2	25.8	31.8	25.8	21.2
42.5°	10.6	15.2	19.7	15.2	10.6
45°	4.5	7.6	12.1	7.6	4.5
47.5°	4.5	4.5	7.6	4.5	4.5
50°	3.0	3.0	4.5	3.0	3.0
52.5°	3.0	3.0	3.0	3.0	3.0
55°	3.0	3.0	3.0	3.0	3.0
57.5°	3.0	3.0	3.0	3.0	3.0
60°	3.0	3.0	3.0	3.0	3.0
62.5°	3.0	3.0	3.0	3.0	3.0
65°	1.5	3.0	3.0	3.0	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5
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)