

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: P1313748

Luminaire Tested: P3SQAS20R409730D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313748
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R409730D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

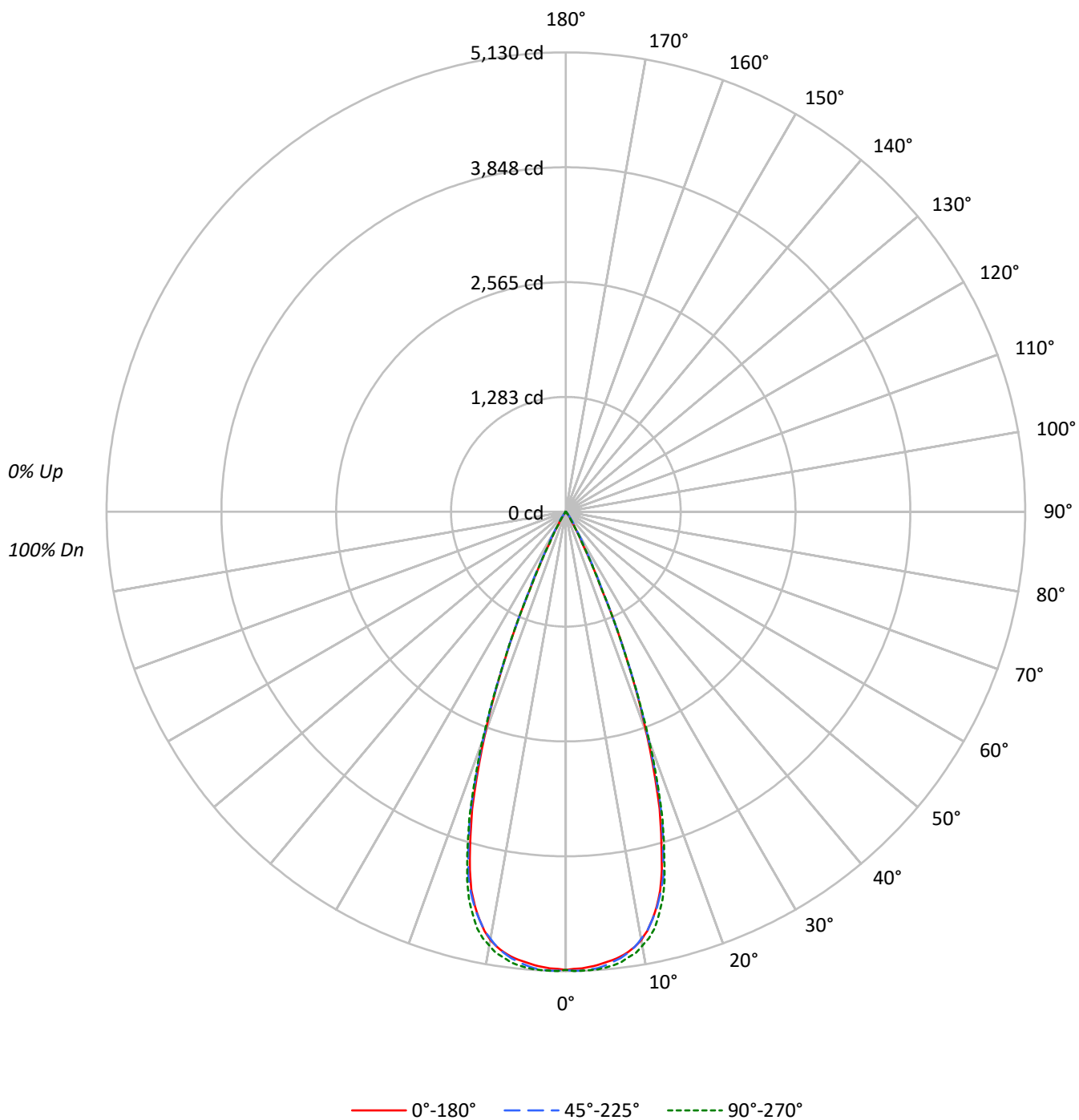
Lumens per Lamp: N/A
Luminaire Lumens: 2152.0 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	90	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	881349	881349	881349
5°	873721	879218	883402
10°	848830	847238	860494
15°	738439	750331	759514
20°	484654	494092	500489
25°	172772	182863	171917
30°	37665	50929	37963
35°	12110	21025	11795
40°	3755	6475	3417
45°	365	2216	365
50°	0	402	0
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: 45°

Vertical Angle: 45°

Luminance: 2216 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	478.6	22.2
10°-20°	1114.5	51.8
20°-30°	499.9	23.2
30°-40°	54.0	2.5
40°-50°	5.0	0.2
50°-60°	0.0	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°	2093.0	97.3
0°-40°	2147.0	99.8
0°-60°	2152.0	100.0
0°-90°	2152.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2152.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5118	5118	5118	5118	5118	
5°	5054	5068	5086	5093	5110	477
15°	4142	4172	4208	4232	4260	1101
25°	909	936	962	979	905	485
35°	58	67	100	65	56	45
45°	2	3	9	3	2	3
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5117.5	5117.5	5117.5	5117.5	5117.5
1°	5106.9	5117.5	5126.6	5119.0	5129.6
2°	5102.4	5114.5	5128.1	5120.5	5129.6
3°	5090.2	5105.4	5120.5	5116.0	5125.1
4°	5073.6	5085.7	5108.4	5108.4	5122.1
5°	5053.9	5067.5	5085.7	5093.3	5109.9
6°	5032.7	5040.2	5053.9	5069.0	5091.8
7°	5005.4	5005.4	5022.0	5037.2	5067.5
8°	4967.5	4964.5	4976.6	4996.3	5023.6
9°	4920.5	4909.9	4919.0	4947.8	4988.7
10°	4853.8	4844.7	4844.7	4881.1	4920.5
11°	4767.5	4764.4	4765.9	4800.8	4853.8
12°	4650.8	4653.8	4653.8	4693.2	4758.4
13°	4518.9	4517.4	4531.1	4575.0	4618.9
14°	4358.3	4367.4	4381.0	4420.4	4465.9
15°	4141.6	4171.9	4208.3	4232.5	4259.8
17.5°	3482.4	3512.7	3562.7	3582.4	3588.5
20°	2644.4	2688.3	2695.9	2735.3	2730.8
22.5°	1773.0	1770.0	1776.1	1780.6	1782.1
25°	909.2	936.5	962.3	979.0	904.7
27.5°	395.5	442.5	475.8	431.9	400.1
30°	189.4	215.2	256.1	216.7	190.9
32.5°	103.0	119.7	162.1	118.2	101.5
35°	57.6	66.7	100.0	65.2	56.1
37.5°	33.3	36.4	54.6	36.4	31.8
40°	16.7	21.2	28.8	21.2	15.2
42.5°	6.1	10.6	15.2	10.6	6.1
45°	1.5	3.0	9.1	3.0	1.5
47.5°	0.0	0.0	4.5	0.0	0.0
50°	0.0	0.0	1.5	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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)