

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: P1311792

Luminaire Tested: P3SQAS24R359050D010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311792
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R359050D010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

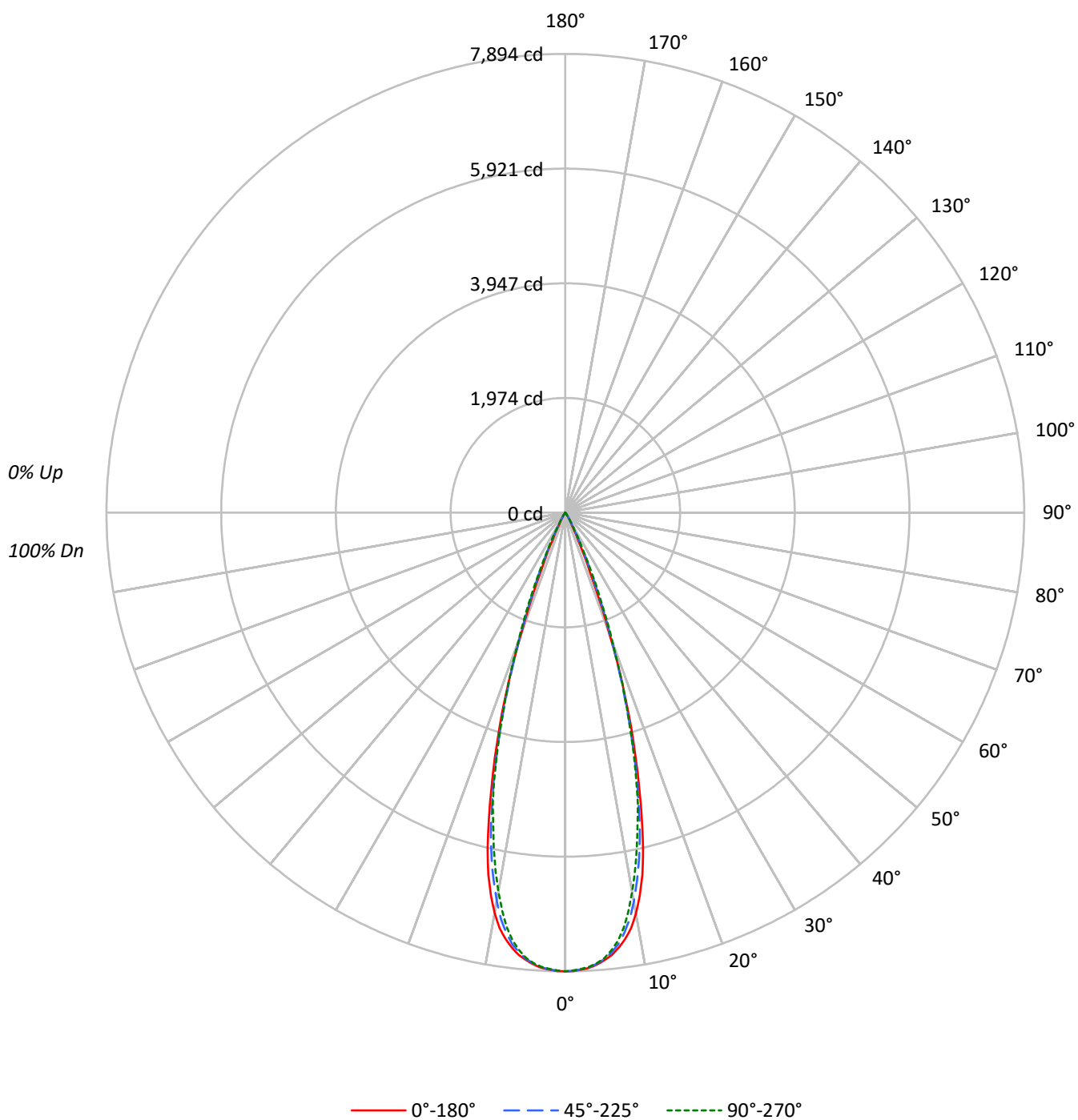
Lumens per Lamp: N/A
Luminaire Lumens: 2396.0 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93	92	91
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90	89	87
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87	85	82
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	83	81
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	80	77
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	79	77	75
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	76	74	73
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	74	72	70
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	72	70	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1359526	1359526	1359526
5°	1336176	1333324	1330471
10°	1224576	1187764	1158891
15°	876870	848912	838607
20°	406615	420599	435353
25°	96477	137256	143147
30°	28318	32415	36532
35°	6518	10407	9545
40°	1394	2788	1866
45°	511	511	511
50°	563	0	563
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: 594 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	708.7	29.6
10°-20°	1267.0	52.9
20°-30°	381.2	15.9
30°-40°	36.5	1.5
40°-50°	2.5	0.1
50°-60°	0.2	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°	2356.9	98.4
0°-40°	2393.3	99.9
0°-60°	2396.0	100.0
0°-90°	2396.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2396.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7894	7894	7894	7894	7894	
5°	7729	7727	7712	7702	7696	717
15°	4918	4881	4761	4740	4703	1299
25°	508	559	722	753	753	327
35°	31	41	50	54	45	29
45°	2	2	2	2	2	2
55°	0	0	0	0	0	1
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°	7894.0	7894.0	7894.0	7894.0	7894.0
1°	7889.9	7889.9	7885.7	7885.7	7877.5
2°	7871.3	7873.4	7865.1	7863.0	7856.8
3°	7842.4	7836.2	7836.2	7832.1	7827.9
4°	7797.0	7784.6	7780.5	7782.5	7774.3
5°	7728.9	7726.8	7712.4	7702.1	7695.9
6°	7654.6	7640.1	7609.2	7582.4	7576.2
7°	7543.1	7512.2	7485.4	7429.6	7421.4
8°	7406.9	7357.4	7299.6	7221.2	7217.1
9°	7239.8	7159.3	7078.8	6973.5	6936.4
10°	7002.4	6928.1	6791.9	6699.1	6626.8
11°	6707.3	6614.4	6455.5	6344.1	6284.2
12°	6373.0	6286.3	6100.6	5999.4	5914.8
13°	5943.7	5871.5	5698.1	5586.7	5520.6
14°	5446.3	5392.7	5227.6	5178.0	5155.3
15°	4918.0	4880.9	4761.2	4740.5	4703.4
17.5°	3619.9	3558.0	3489.9	3502.2	3514.6
20°	2218.6	2305.3	2294.9	2340.3	2375.4
22.5°	1106.2	1217.6	1347.7	1426.1	1465.3
25°	507.7	559.3	722.3	753.3	753.3
27.5°	255.9	268.3	340.5	346.7	363.2
30°	142.4	152.7	163.0	181.6	183.7
32.5°	72.2	84.6	88.7	99.1	94.9
35°	31.0	41.3	49.5	53.7	45.4
37.5°	14.4	18.6	26.8	24.8	18.6
40°	6.2	8.3	12.4	10.3	8.3
42.5°	4.1	4.1	6.2	4.1	4.1
45°	2.1	2.1	2.1	2.1	2.1
47.5°	2.1	2.1	0.0	2.1	2.1
50°	2.1	0.0	0.0	0.0	2.1
52.5°	2.1	0.0	0.0	0.0	2.1
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)