

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: P1309417

Luminaire Tested: P3SQAS20R259035D010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309417
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259035D010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

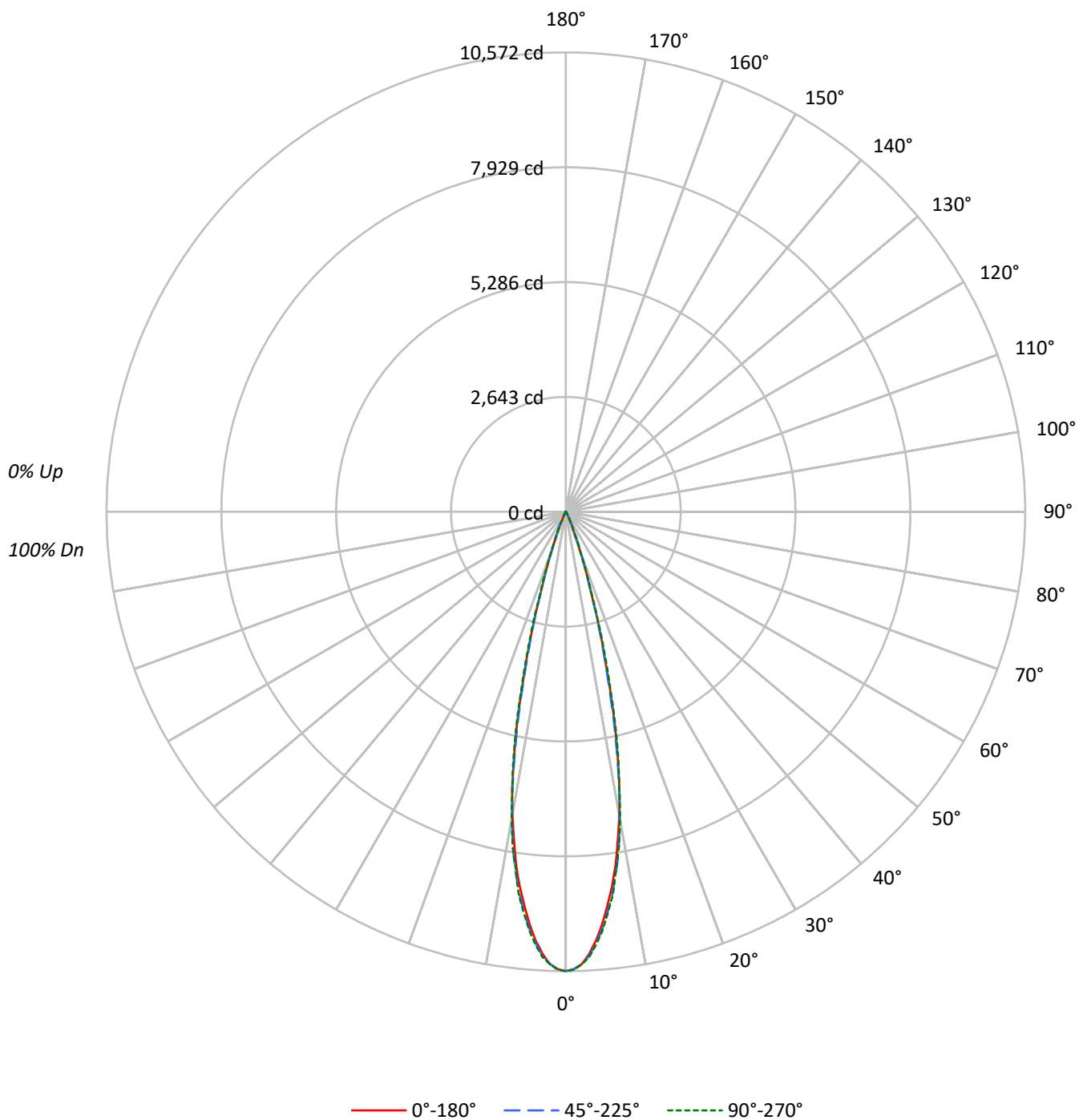
Lumens per Lamp: N/A
Luminaire Lumens: 1951.0 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	100	100
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	97	96	95	95	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	93	93
4	106	101	98	95	105	100	97	95	99	96	94	97	94	93	95	93	92	91	91	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	88	88	88
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	91	89	87	86	86	86
7	99	93	89	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85	85	85
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	86	84	83	83	83
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81	81	81
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	80	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1820652	1820652	1820652
5°	1649868	1664908	1673034
10°	1240298	1249129	1254900
15°	614130	595836	635525
20°	173434	176311	178217
25°	30081	56856	35706
30°	11753	12111	12449
35°	3658	4016	4016
40°	1169	1574	1169
45°	852	414	852
50°	455	0	455
55°	510	0	510
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: 45°

Luminance: 852 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	839.8	43.0
10°-20°	947.1	48.5
20°-30°	146.9	7.5
30°-40°	14.9	0.8
40°-50°	2.0	0.1
50°-60°	0.3	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°	1933.8	99.1
0°-40°	1948.7	99.9
0°-60°	1951.0	100.0
0°-90°	1951.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1951.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10572	10572	10572	10572	10572	
5°	9543	9561	9630	9669	9677	832
15°	3444	3420	3342	3491	3564	943
25°	158	235	299	228	188	133
35°	17	19	19	21	19	14
45°	4	2	2	2	4	2
55°	2	0	0	0	2	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°	10571.5	10571.5	10571.5	10571.5	10571.5
1°	10528.0	10542.0	10526.3	10543.7	10542.0
2°	10418.4	10432.4	10413.2	10423.7	10423.7
3°	10194.0	10223.6	10241.0	10253.2	10263.6
4°	9898.3	9931.4	9957.5	9988.8	9988.8
5°	9543.4	9560.8	9630.4	9668.7	9677.4
6°	9120.7	9190.3	9242.5	9319.0	9272.1
7°	8698.0	8755.4	8828.5	8840.6	8873.7
8°	8217.9	8278.7	8346.6	8334.4	8306.6
9°	7633.4	7722.1	7802.1	7776.0	7810.8
10°	7092.3	7146.3	7142.8	7116.7	7175.8
11°	6464.3	6476.5	6408.7	6514.8	6450.4
12°	5719.8	5730.2	5643.3	5747.6	5813.7
13°	5006.6	4982.2	4862.2	4999.6	5083.1
14°	4185.5	4194.2	4041.1	4307.2	4286.4
15°	3444.4	3420.0	3341.8	3491.4	3564.4
17.5°	1835.3	1850.9	1831.8	1906.6	1953.6
20°	946.3	972.4	962.0	993.3	972.4
22.5°	490.6	527.1	537.5	513.2	447.1
25°	158.3	234.8	299.2	227.9	187.9
27.5°	95.7	93.9	146.1	100.9	102.6
30°	59.1	57.4	60.9	60.9	62.6
32.5°	33.1	34.8	33.1	36.5	34.8
35°	17.4	19.1	19.1	20.9	19.1
37.5°	10.4	12.2	12.2	12.2	10.4
40°	5.2	7.0	7.0	5.2	5.2
42.5°	3.5	3.5	3.5	3.5	3.5
45°	3.5	1.7	1.7	1.7	3.5
47.5°	1.7	1.7	0.0	1.7	1.7
50°	1.7	1.7	0.0	1.7	1.7
52.5°	1.7	0.0	0.0	0.0	1.7
55°	1.7	0.0	0.0	0.0	1.7
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)