

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: P1309414

Luminaire Tested: P3SQAS20R259035D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309414
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259035D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

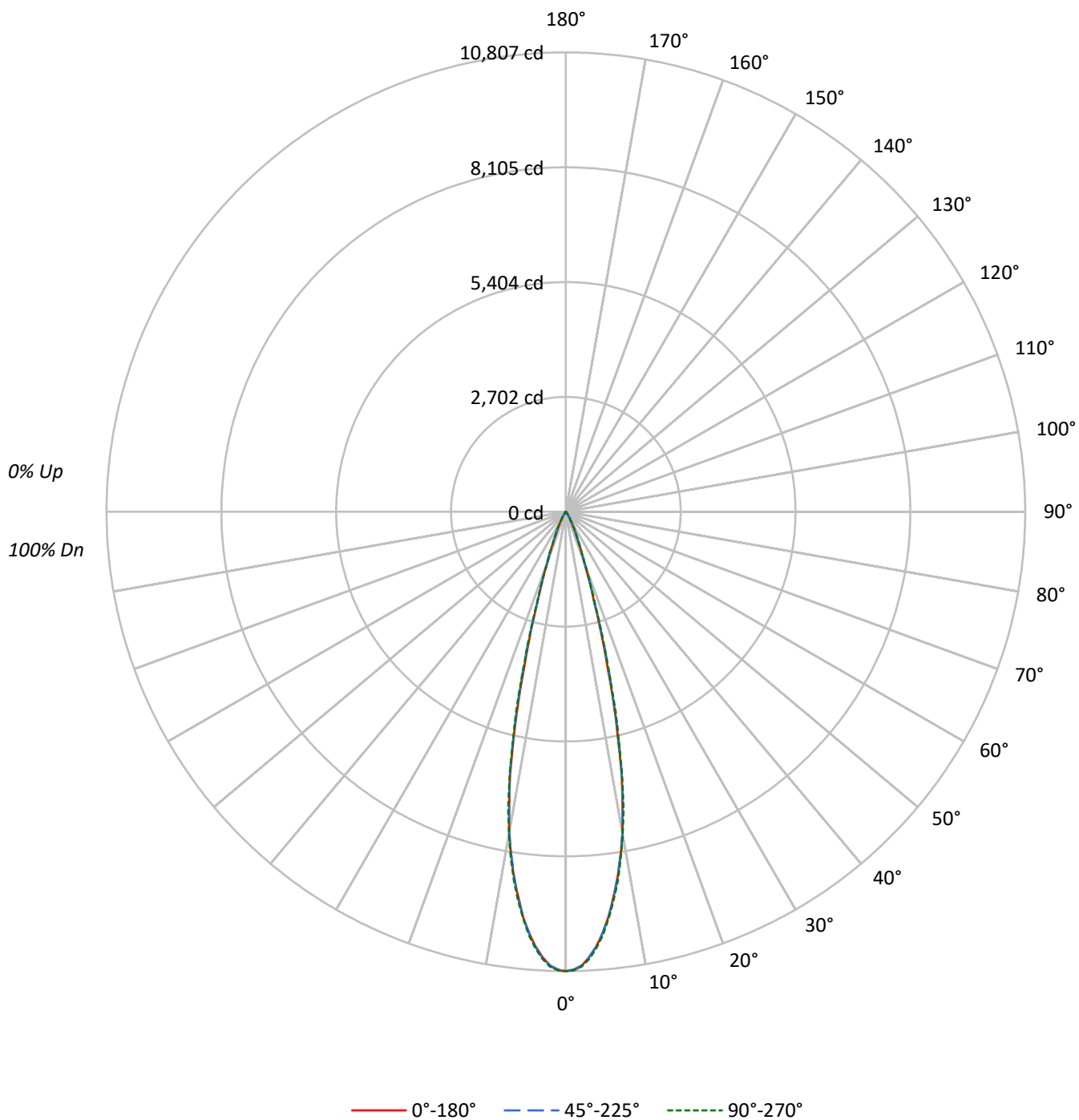
Lumens per Lamp: N/A
Luminaire Lumens: 2283.0 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97	96	95
2	112	108	105	103	110	107	104	102	103	101	100	101	99	97	98	97	95	94	93	91
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91	89	86
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	88	85	82
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	84	81	78
6	100	94	90	87	98	93	89	87	92	88	86	90	88	86	89	87	85	82	79	76
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	80	77	74
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	78	75	72
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	76	73	70
10	90	84	80	78	89	84	80	77	83	80	77	82	79	77	82	79	77	74	71	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1861176	1861176	1861176
5°	1719124	1718519	1728131
10°	1342882	1339227	1348356
15°	675571	703796	703172
20°	231165	237543	233713
25°	92885	104458	96857
30°	37705	44983	36671
35°	10975	19742	10975
40°	5081	8611	5081
45°	1705	3385	1705
50°	938	1393	938
55°	1051	1051	1051
60°	1206	1206	1206
65°	693	693	693
70°	856	856	856
75°	1131	1131	1131
80°	0	1686	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3385 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	876.7	38.4
10°-20°	1073.1	47.0
20°-30°	262.2	11.5
30°-40°	54.2	2.4
40°-50°	9.5	0.4
50°-60°	3.2	0.1
60°-70°	2.5	0.1
70°-80°	1.6	0.1
80°-90°	0.1	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°	2212.0	96.9
0°-40°	2266.2	99.3
0°-60°	2278.8	99.8
0°-90°	2283.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2283.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10807	10807	10807	10807	10807	
5°	9944	9953	9940	9961	9996	876
15°	3789	3853	3947	3965	3944	1058
25°	489	512	550	518	510	250
35°	52	73	94	71	52	45
45°	7	10	14	10	7	7
55°	4	4	4	4	4	3
65°	2	4	2	2	2	2
75°	2	2	2	2	2	2
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°	10806.8	10806.8	10806.8	10806.8	10806.8
1°	10786.0	10772.0	10768.6	10770.3	10787.7
2°	10688.5	10679.8	10678.1	10683.3	10707.7
3°	10490.2	10500.6	10504.1	10521.5	10533.7
4°	10246.7	10267.5	10258.8	10279.7	10293.6
5°	9944.0	9952.7	9940.5	9961.3	9996.1
6°	9590.8	9559.5	9589.1	9597.8	9622.1
7°	9150.7	9157.6	9168.1	9178.5	9215.0
8°	8717.5	8696.6	8691.4	8740.1	8769.7
9°	8211.2	8214.7	8195.6	8251.3	8260.0
10°	7678.9	7635.4	7658.0	7701.5	7710.2
11°	6976.1	6963.9	6997.0	7064.8	7118.7
12°	6316.7	6323.7	6358.5	6381.1	6368.9
13°	5445.2	5497.4	5540.8	5563.5	5533.9
14°	4657.1	4657.1	4712.8	4721.5	4827.6
15°	3789.0	3853.4	3947.3	3964.7	3943.8
17.5°	2188.5	2197.2	2242.4	2240.7	2273.7
20°	1261.3	1273.4	1296.1	1290.8	1275.2
22.5°	758.5	784.6	838.5	795.0	782.9
25°	488.8	511.5	549.7	518.4	509.7
27.5°	306.2	321.8	351.4	323.6	309.7
30°	189.6	198.3	226.2	200.1	184.4
32.5°	102.6	125.3	147.9	125.3	102.6
35°	52.2	73.1	93.9	71.3	52.2
37.5°	34.8	41.8	60.9	40.0	34.8
40°	22.6	27.8	38.3	27.8	22.6
42.5°	12.2	17.4	20.9	19.1	12.2
45°	7.0	10.4	13.9	10.4	7.0
47.5°	5.2	5.2	8.7	5.2	3.5
50°	3.5	3.5	5.2	3.5	3.5
52.5°	3.5	3.5	3.5	3.5	3.5
55°	3.5	3.5	3.5	3.5	3.5
57.5°	3.5	3.5	3.5	3.5	3.5
60°	3.5	3.5	3.5	3.5	3.5
62.5°	3.5	3.5	3.5	3.5	3.5
65°	1.7	3.5	1.7	1.7	1.7
67.5°	1.7	1.7	1.7	1.7	1.7
70°	1.7	1.7	1.7	1.7	1.7
72.5°	1.7	1.7	1.7	1.7	1.7
75°	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7
80°	0.0	0.0	1.7	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)