

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: P1309431

Luminaire Tested: P3SQAS20R309035D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309431
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309035D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

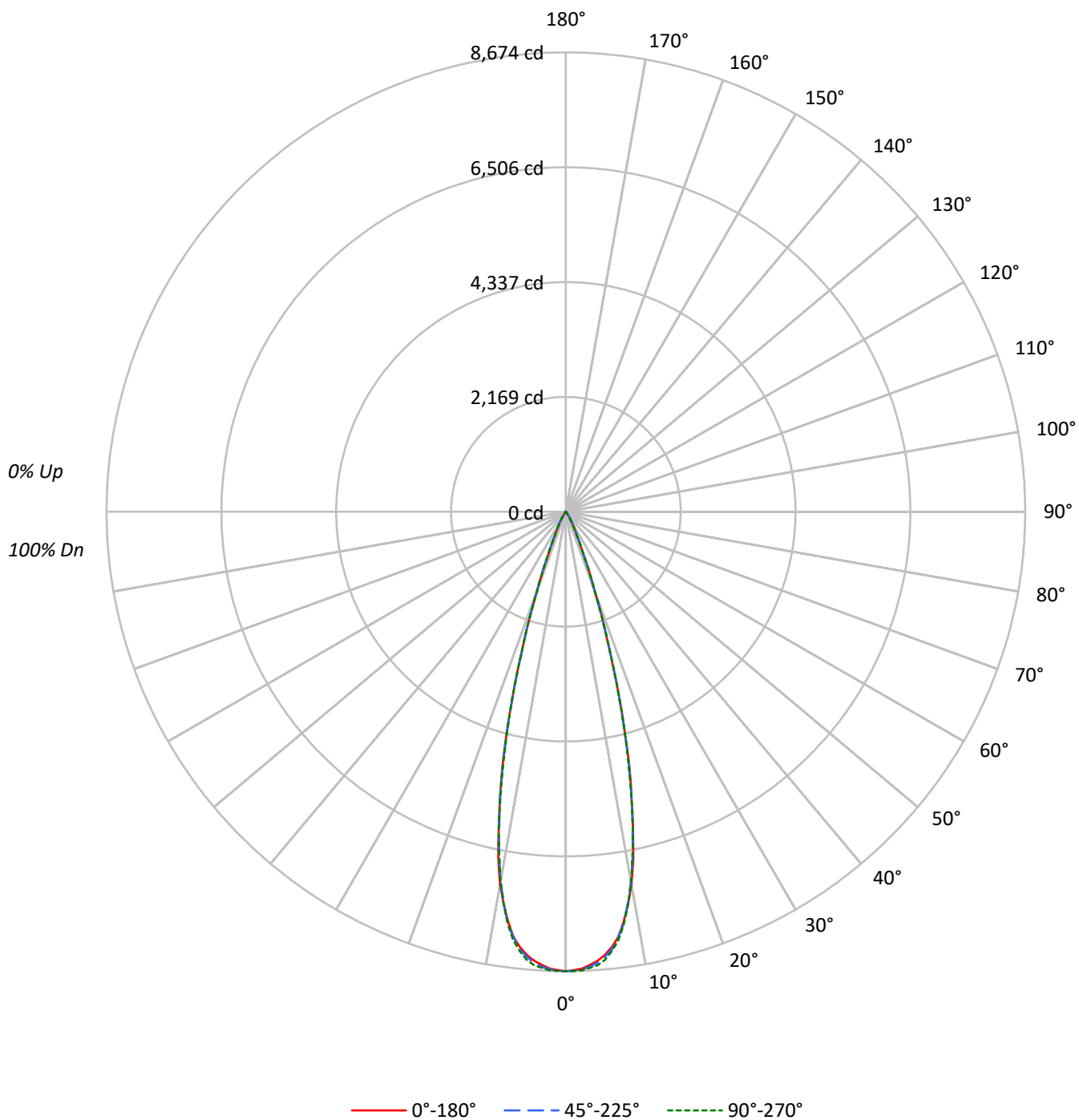
Lumens per Lamp: N/A
Luminaire Lumens: 2256.0 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1309431

CATALOG NUMBER: P3SQAS20R309035D010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1309431

CATALOG NUMBER: P3SQAS20R309035D010 E3SQCD1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1493911	1493911	1493911
5°	1452974	1459302	1468326
10°	1249426	1238759	1239983
15°	767716	761511	762135
20°	292178	292819	287394
25°	92942	97902	93265
30°	37387	46375	38421
35°	12068	20499	12068
40°	5486	8993	5486
45°	2119	3824	2119
50°	938	1876	938
55°	1051	1051	1051
60°	1206	1206	1206
65°	693	693	693
70°	856	856	856
75°	1131	1131	1131
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3824 cd/sqm

TEST NUMBER: P1309431

CATALOG NUMBER: P3SQAS20R309035D010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	765.2	33.9
10°-20°	1135.1	50.3
20°-30°	282.0	12.5
30°-40°	56.3	2.5
40°-50°	10.2	0.5
50°-60°	3.2	0.1
60°-70°	2.3	0.1
70°-80°	1.6	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°	2182.3	96.7
0°-40°	2238.6	99.2
0°-60°	2252.1	99.8
0°-90°	2256.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2256.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8674	8674	8674	8674	8674	
5°	8404	8432	8441	8453	8493	764
15°	4306	4314	4271	4285	4274	1139
25°	489	500	515	508	491	274
35°	57	75	98	73	57	47
45°	9	10	16	12	9	8
55°	4	4	4	4	4	3
65°	2	2	2	2	2	2
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1309431

CATALOG NUMBER: P3SQAS20R309035D010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8674.3	8674.3	8674.3	8674.3	8674.3
1°	8655.1	8665.6	8672.5	8672.5	8672.5
2°	8630.8	8637.7	8648.2	8649.9	8663.8
3°	8573.3	8589.0	8606.4	8616.9	8623.8
4°	8503.7	8524.6	8535.1	8561.2	8583.8
5°	8404.5	8432.4	8441.1	8453.3	8493.3
6°	8270.5	8291.4	8308.8	8314.0	8338.4
7°	8093.0	8103.4	8099.9	8108.6	8152.2
8°	7823.2	7826.7	7856.3	7837.1	7866.7
9°	7503.0	7489.1	7482.1	7496.0	7497.8
10°	7144.5	7097.5	7083.5	7071.4	7090.5
11°	6679.8	6618.8	6624.1	6620.6	6592.7
12°	6101.9	6095.0	6049.7	6058.4	6100.2
13°	5511.9	5524.1	5515.4	5525.9	5478.9
14°	4958.5	4899.3	4915.0	4855.8	4878.4
15°	4305.8	4314.5	4271.0	4284.9	4274.5
17.5°	2756.8	2776.0	2762.1	2749.9	2769.0
20°	1594.2	1592.5	1597.7	1582.0	1568.1
22.5°	838.9	851.1	866.7	868.5	878.9
25°	489.1	499.5	515.2	508.2	490.8
27.5°	299.4	318.5	342.9	325.5	304.6
30°	188.0	203.6	233.2	205.4	193.2
32.5°	106.2	128.8	153.2	128.8	106.2
35°	57.4	74.8	97.5	73.1	57.4
37.5°	38.3	43.5	64.4	43.5	38.3
40°	24.4	29.6	40.0	29.6	24.4
42.5°	13.9	19.1	22.6	19.1	13.9
45°	8.7	10.4	15.7	12.2	8.7
47.5°	3.5	5.2	10.4	5.2	5.2
50°	3.5	3.5	7.0	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	1.7	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	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



TEST NUMBER: P1309431
CATALOG NUMBER: P3SQAS20R309035D010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)