

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: P1307195

Luminaire Tested: P3SQAS20R309027D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307195
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: P3SQAS20R309027D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

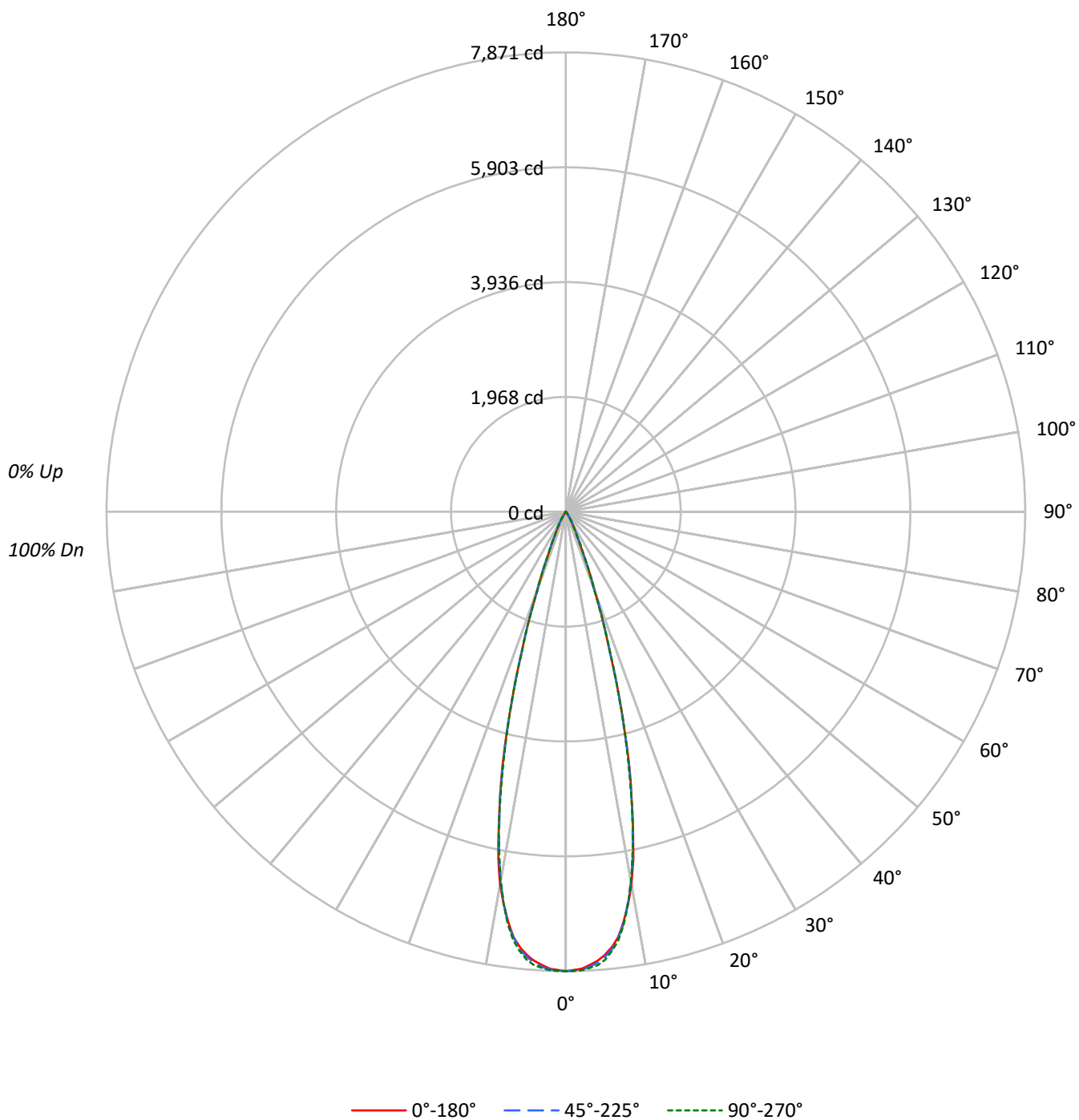
Lumens per Lamp: N/A
Luminaire Lumens: 2047.1 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1307195

CATALOG NUMBER: P3SQAS20R309027D010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1307195

CATALOG NUMBER: P3SQAS20R309027D010 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	93	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°	1355513	1355513	1355513
5°	1318369	1324109	1332304
10°	1133674	1124003	1125104
15°	696592	690958	691529
20°	265108	265695	260783
25°	84334	88818	84619
30°	33926	42080	34861
35°	10954	18586	10954
40°	4969	8161	4969
45°	1924	3459	1924
50°	857	1688	857
55°	961	961	961
60°	1102	1102	1102
65°	652	652	652
70°	806	806	806
75°	1065	1065	1065
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3459 cd/sqm

TEST NUMBER: P1307195

CATALOG NUMBER: P3SQAS20R309027D010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	694.3	33.9
10°-20°	1029.9	50.3
20°-30°	255.9	12.5
30°-40°	51.1	2.5
40°-50°	9.3	0.5
50°-60°	3.0	0.1
60°-70°	2.2	0.1
70°-80°	1.5	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°	1980.1	96.7
0°-40°	2031.2	99.2
0°-60°	2043.4	99.8
0°-90°	2047.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2047.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7871	7871	7871	7871	7871	
5°	7626	7651	7659	7670	7706	693
15°	3907	3915	3875	3888	3878	1034
25°	444	453	467	461	445	249
35°	52	68	88	66	52	42
45°	8	10	14	11	8	7
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	2	2	2	2	2	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1307195

CATALOG NUMBER: P3SQAS20R309027D010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7870.7	7870.7	7870.7	7870.7	7870.7
1°	7853.3	7862.8	7869.1	7869.1	7869.1
2°	7831.2	7837.5	7847.0	7848.6	7861.2
3°	7779.1	7793.3	7809.1	7818.6	7824.9
4°	7715.9	7734.9	7744.4	7768.0	7788.6
5°	7625.9	7651.2	7659.1	7670.1	7706.5
6°	7504.3	7523.3	7539.1	7543.8	7565.9
7°	7343.2	7352.7	7349.6	7357.4	7396.9
8°	7098.5	7101.6	7128.5	7111.1	7137.9
9°	6807.9	6795.3	6788.9	6801.6	6803.2
10°	6482.6	6439.9	6427.3	6416.3	6433.6
11°	6060.9	6005.7	6010.4	6007.2	5982.0
12°	5536.6	5530.3	5489.3	5497.2	5535.1
13°	5001.3	5012.4	5004.5	5013.9	4971.3
14°	4499.1	4445.4	4459.6	4405.9	4426.5
15°	3906.9	3914.8	3875.3	3888.0	3878.5
17.5°	2501.4	2518.8	2506.2	2495.1	2512.5
20°	1446.5	1445.0	1449.7	1435.5	1422.9
22.5°	761.2	772.2	786.4	788.0	797.5
25°	443.8	453.2	467.4	461.1	445.3
27.5°	271.6	289.0	311.1	295.3	276.4
30°	170.6	184.8	211.6	186.3	175.3
32.5°	96.3	116.9	139.0	116.9	96.3
35°	52.1	67.9	88.4	66.3	52.1
37.5°	34.7	39.5	58.4	39.5	34.7
40°	22.1	26.8	36.3	26.8	22.1
42.5°	12.6	17.4	20.5	17.4	12.6
45°	7.9	9.5	14.2	11.1	7.9
47.5°	3.2	4.7	9.5	4.7	4.7
50°	3.2	3.2	6.3	3.2	3.2
52.5°	3.2	3.2	3.2	3.2	3.2
55°	3.2	3.2	3.2	3.2	3.2
57.5°	3.2	3.2	3.2	3.2	3.2
60°	3.2	3.2	3.2	3.2	3.2
62.5°	3.2	3.2	3.2	3.2	3.2
65°	1.6	1.6	1.6	1.6	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6
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: P1307195
CATALOG NUMBER: P3SQAS20R309027D010 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)