

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: P1306291

Luminaire Tested: P3SQAS20R609024D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306291
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R609024D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 2400K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

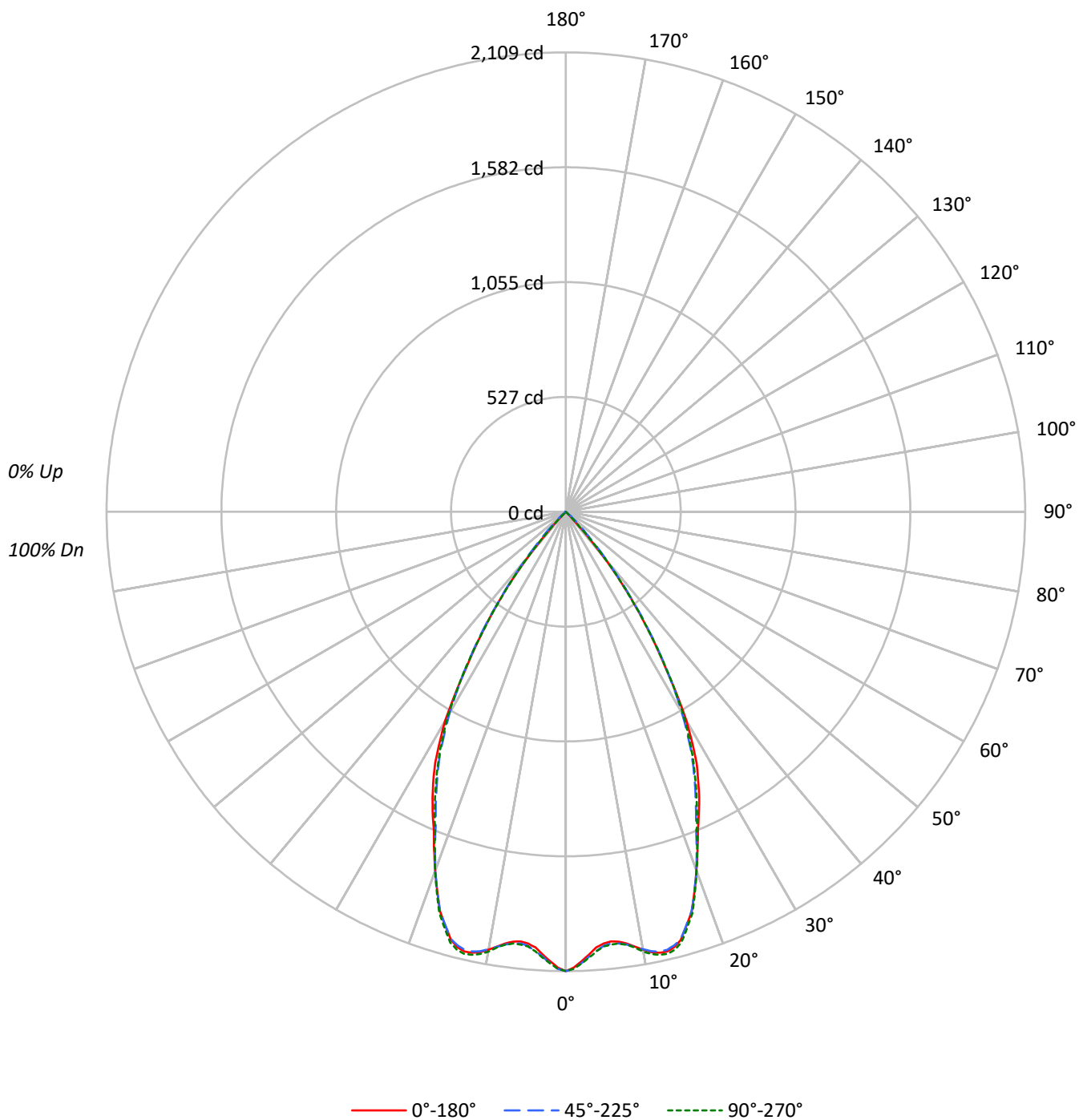
Lumens per Lamp: N/A
Luminaire Lumens: 1869.0 lumens
Efficiency: N/A
Efficacy: 64.9 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1306291

CATALOG NUMBER: P3SQAS20R609024D010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1306291

CATALOG NUMBER: P3SQAS20R609024D010 E3SQCD1MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86		91	88	85		88	86	84	82
4	98	91	86	81	96	90	85	81	88	83	80		86	82	79		84	81	78	77
5	93	85	80	76	92	84	79	75	83	78	75		81	77	74		79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	70		77	72	69		75	72	69	67
7	85	76	70	66	83	75	69	65	74	69	65		72	68	65		71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61		69	64	61		68	64	61	59
9	77	67	62	58	76	67	61	58	66	61	57		65	61	57		64	60	57	56
10	73	64	58	54	72	63	58	54	63	58	54		62	57	54		61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	363218	363218	363218
5°	343998	345796	346314
10°	357104	356579	358660
15°	363015	362480	365136
20°	321245	321245	321795
25°	275292	267082	269344
30°	220224	212229	215491
35°	136617	139456	136323
40°	59982	66007	61646
45°	731	21409	1827
50°	0	2385	0
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: 45°

Vertical Angle: 45°

Luminance: 21409 cd/sqm

TEST NUMBER: P1306291

CATALOG NUMBER: P3SQAS20R609024D010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.6	10.3
10°-20°	558.3	29.9
20°-30°	648.2	34.7
30°-40°	408.2	21.8
40°-50°	61.3	3.3
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°	1399.2	74.9
0°-40°	1807.4	96.7
0°-60°	1869.0	100.0
0°-90°	1869.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1869.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2109	2109	2109	2109	2109	
5°	1990	1997	2000	2005	2003	192
15°	2036	2028	2033	2046	2048	558
25°	1449	1432	1406	1412	1417	659
35°	650	651	663	650	648	406
45°	3	28	88	37	8	40
55°	0	0	0	0	0	0
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	

TEST NUMBER: P1306291

CATALOG NUMBER: P3SQAS20R609024D010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2109.0	2109.0	2109.0	2109.0	2109.0
1°	2092.6	2098.6	2098.6	2100.1	2098.6
2°	2064.3	2073.3	2073.3	2077.7	2074.7
3°	2036.0	2043.4	2044.9	2050.9	2049.4
4°	2004.7	2016.6	2021.1	2024.1	2022.6
5°	1989.8	1997.2	2000.2	2004.7	2003.2
6°	1983.8	1989.8	1992.8	1997.2	1997.2
7°	1988.3	1992.8	1997.2	2000.2	1997.2
8°	2001.7	2006.2	2006.2	2012.1	2007.7
9°	2021.1	2022.6	2022.6	2030.0	2025.6
10°	2042.0	2039.0	2039.0	2049.4	2050.9
11°	2059.8	2056.9	2055.4	2065.8	2068.8
12°	2070.3	2064.3	2064.3	2077.7	2079.2
13°	2071.8	2064.3	2064.3	2077.7	2082.2
14°	2059.8	2050.9	2052.4	2067.3	2071.8
15°	2036.0	2028.5	2033.0	2046.4	2047.9
17.5°	1922.7	1918.2	1921.2	1930.2	1931.7
20°	1752.8	1749.8	1752.8	1752.8	1755.8
22.5°	1584.4	1576.9	1562.0	1571.0	1572.5
25°	1448.7	1432.3	1405.5	1411.5	1417.4
27.5°	1299.7	1278.8	1250.5	1258.0	1259.5
30°	1107.4	1097.0	1067.2	1074.6	1083.6
32.5°	855.5	883.9	866.0	864.5	866.0
35°	649.8	651.3	663.3	649.8	648.4
37.5°	454.6	456.1	465.0	450.1	451.6
40°	266.8	286.2	293.6	287.7	274.2
42.5°	83.5	147.6	166.9	144.6	92.4
45°	3.0	28.3	87.9	37.3	7.5
47.5°	0.0	1.5	41.7	3.0	0.0
50°	0.0	0.0	8.9	0.0	0.0
52.5°	0.0	0.0	1.5	0.0	0.0
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



TEST NUMBER: P1306291
CATALOG NUMBER: P3SQAS20R609024D010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)