

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: P1307227

Luminaire Tested: P3SQAS20R409027D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R409027D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

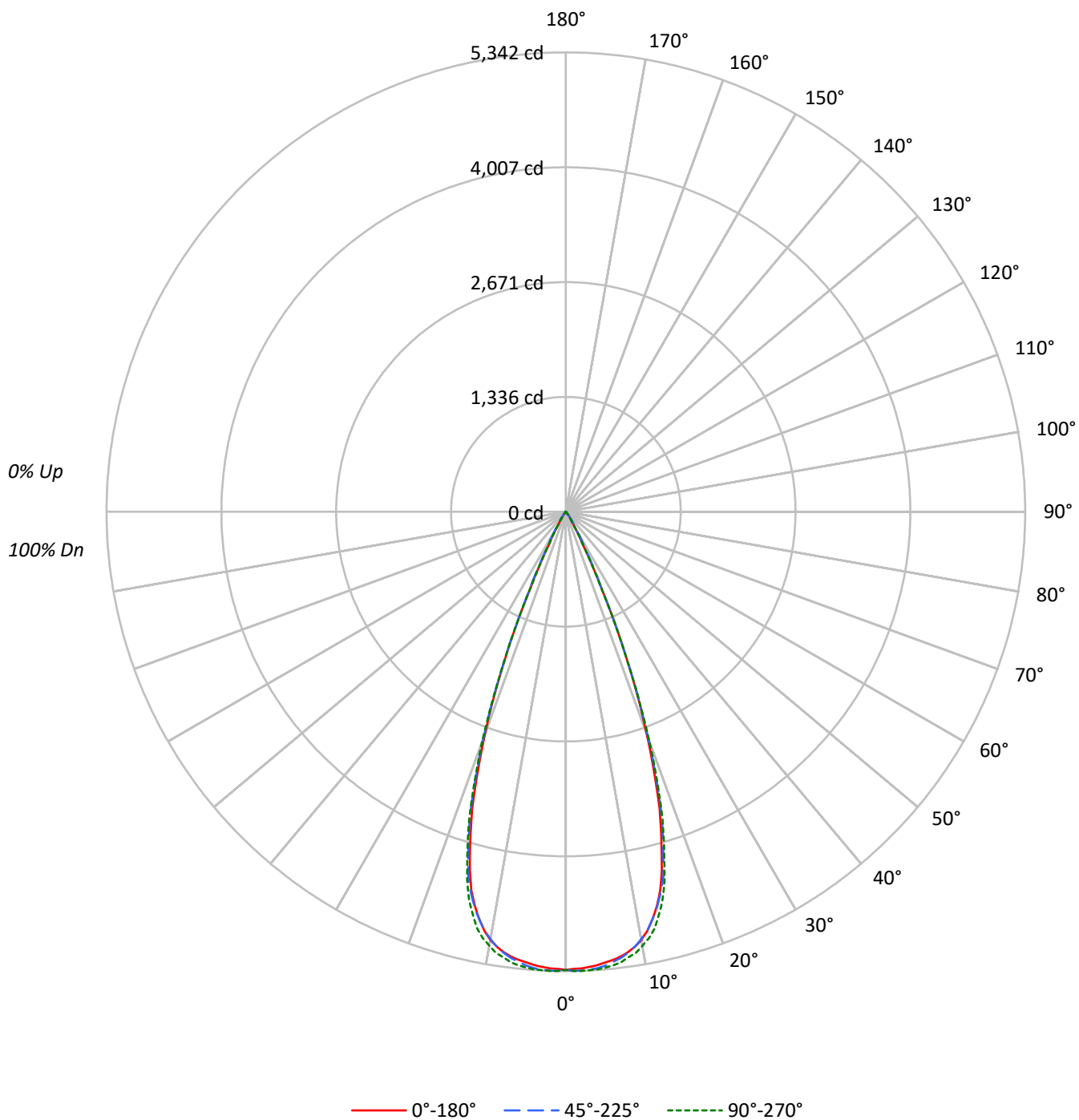
Lumens per Lamp: N/A
Luminaire Lumens: 2241.0 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1307227

CATALOG NUMBER: P3SQAS20R409027D010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1307227

CATALOG NUMBER: P3SQAS20R409027D010 E3SQCD1MB

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	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	90	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	917809	917809	917809
5°	909853	915575	919949
10°	883946	882284	896082
15°	768981	781355	790930
20°	504686	514528	521181
25°	179917	190426	179024
30°	39236	53037	39534
35°	12615	21908	12278
40°	3912	6745	3552
45°	390	2314	390
50°	0	429	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: 2314 cd/sqm

TEST NUMBER: P1307227

CATALOG NUMBER: P3SQAS20R409027D010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	498.4	22.2
10°-20°	1160.6	51.8
20°-30°	520.5	23.2
30°-40°	56.2	2.5
40°-50°	5.2	0.2
50°-60°	0.0	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°	2179.5	97.3
0°-40°	2235.8	99.8
0°-60°	2241.0	100.0
0°-90°	2241.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2241.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5329	5329	5329	5329	5329	
5°	5263	5277	5296	5304	5321	497
15°	4313	4344	4382	4408	4436	1146
25°	947	975	1002	1019	942	505
35°	60	69	104	68	58	47
45°	2	3	10	3	2	3
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: P1307227

CATALOG NUMBER: P3SQAS20R409027D010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5329.2	5329.2	5329.2	5329.2	5329.2
1°	5318.1	5329.2	5338.6	5330.7	5341.8
2°	5313.4	5326.0	5340.2	5332.3	5341.8
3°	5300.8	5316.5	5332.3	5327.6	5337.0
4°	5283.4	5296.0	5319.7	5319.7	5333.9
5°	5262.9	5277.1	5296.0	5303.9	5321.3
6°	5240.8	5248.7	5262.9	5278.7	5302.3
7°	5212.4	5212.4	5229.7	5245.5	5277.1
8°	5172.9	5169.8	5182.4	5202.9	5231.3
9°	5124.0	5113.0	5122.4	5152.4	5195.0
10°	5054.6	5045.1	5045.1	5083.0	5124.0
11°	4964.6	4961.5	4963.0	4999.3	5054.6
12°	4843.1	4846.3	4846.3	4887.3	4955.2
13°	4705.8	4704.2	4718.4	4764.2	4810.0
14°	4538.5	4548.0	4562.2	4603.2	4650.6
15°	4312.9	4344.4	4382.3	4407.6	4436.0
17.5°	3626.4	3658.0	3710.1	3730.6	3736.9
20°	2753.7	2799.5	2807.4	2848.4	2843.7
22.5°	1846.3	1843.2	1849.5	1854.2	1855.8
25°	946.8	975.3	1002.1	1019.4	942.1
27.5°	411.9	460.8	495.5	449.8	416.6
30°	197.3	224.1	266.7	225.7	198.8
32.5°	107.3	124.7	168.9	123.1	105.7
35°	60.0	69.4	104.2	67.9	58.4
37.5°	34.7	37.9	56.8	37.9	33.1
40°	17.4	22.1	30.0	22.1	15.8
42.5°	6.3	11.0	15.8	11.0	6.3
45°	1.6	3.2	9.5	3.2	1.6
47.5°	0.0	0.0	4.7	0.0	0.0
50°	0.0	0.0	1.6	0.0	0.0
52.5°	0.0	0.0	0.0	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: P1307227

CATALOG NUMBER: P3SQAS20R409027D010 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)