

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: P1316569

Luminaire Tested: P3SQAS20R409827D010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316569
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: P3SQAS20R409827D010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 98CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

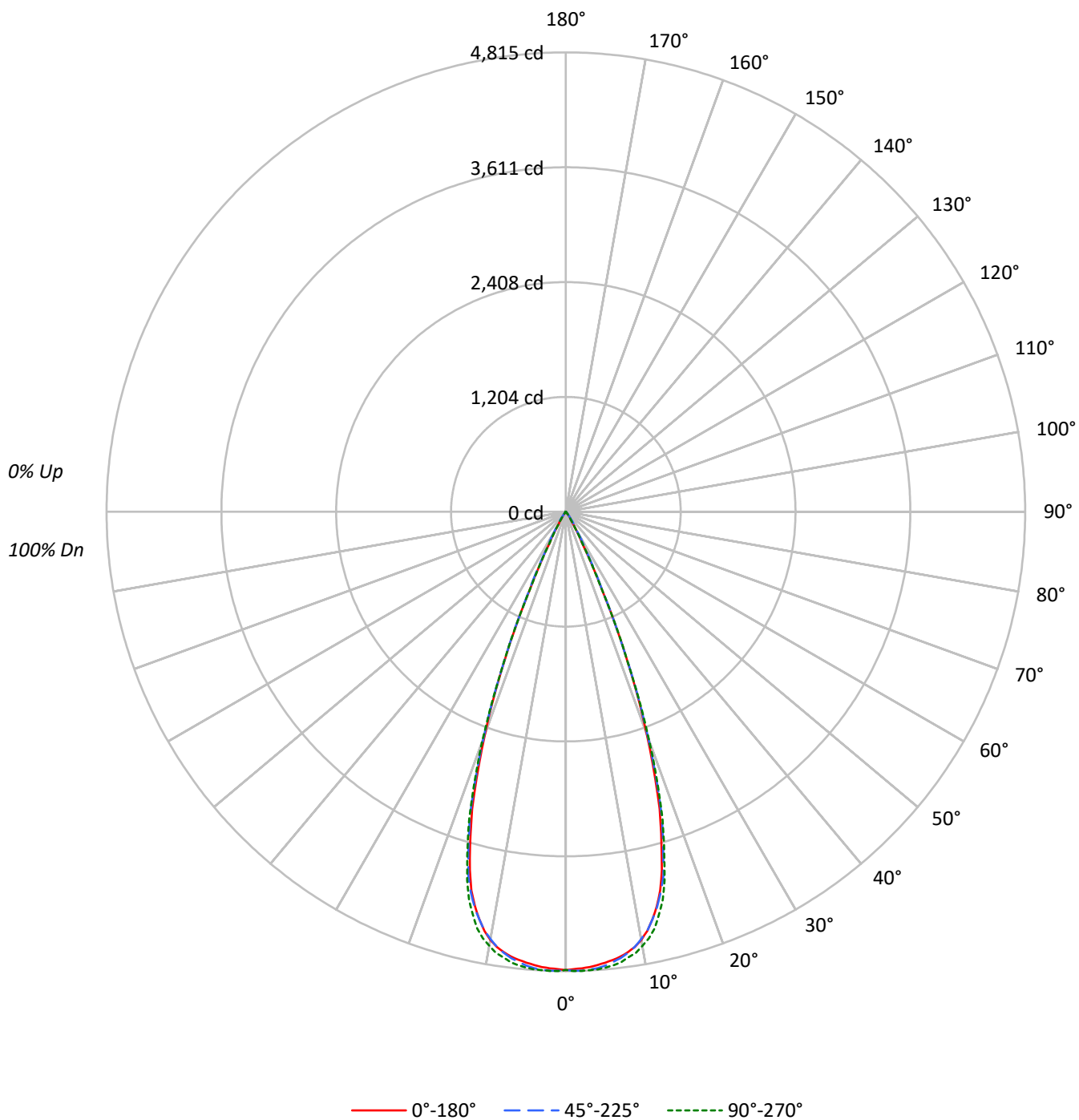
Lumens per Lamp: N/A
Luminaire Lumens: 2020.0 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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: P1316569

CATALOG NUMBER: P3SQAS20R409827D010 E3SQCD1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1316569

CATALOG NUMBER: P3SQAS20R409827D010 E3SQCD1MMS

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°	827289	827289	827289
5°	820128	825280	829221
10°	796768	795282	807716
15°	693151	704295	712925
20°	454926	463779	469790
25°	162188	171651	161371
30°	35358	47807	35637
35°	11374	19742	11059
40°	3507	6070	3192
45°	341	2070	341
50°	0	375	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: 2070 cd/sqm

TEST NUMBER: P1316569

CATALOG NUMBER: P3SQAS20R409827D010 E3SQCD1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	449.2	22.2
10°-20°	1046.2	51.8
20°-30°	469.2	23.2
30°-40°	50.7	2.5
40°-50°	4.7	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°	1964.6	97.3
0°-40°	2015.3	99.8
0°-60°	2020.0	100.0
0°-90°	2020.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2020.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4804	4804	4804	4804	4804	
5°	4744	4757	4774	4781	4796	448
15°	3888	3916	3950	3973	3998	1033
25°	854	879	903	919	849	455
35°	54	63	94	61	53	42
45°	1	3	8	3	1	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: P1316569

CATALOG NUMBER: P3SQAS20R409827D010 E3SQCD1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4803.6	4803.6	4803.6	4803.6	4803.6
1°	4793.7	4803.6	4812.1	4805.0	4815.0
2°	4789.4	4800.8	4813.6	4806.5	4815.0
3°	4778.0	4792.2	4806.5	4802.2	4810.7
4°	4762.4	4773.7	4795.1	4795.1	4807.9
5°	4743.9	4756.7	4773.7	4780.9	4796.5
6°	4724.0	4731.1	4743.9	4758.1	4779.4
7°	4698.4	4698.4	4714.0	4728.2	4756.7
8°	4662.8	4659.9	4671.3	4689.8	4715.4
9°	4618.7	4608.7	4617.3	4644.3	4682.7
10°	4556.1	4547.6	4547.6	4581.7	4618.7
11°	4475.0	4472.2	4473.6	4506.3	4556.1
12°	4365.5	4368.3	4368.3	4405.3	4466.5
13°	4241.7	4240.3	4253.1	4294.4	4335.6
14°	4091.0	4099.5	4112.3	4149.3	4192.0
15°	3887.6	3916.0	3950.1	3972.9	3998.5
17.5°	3268.8	3297.2	3344.2	3362.7	3368.4
20°	2482.2	2523.4	2530.5	2567.5	2563.3
22.5°	1664.3	1661.4	1667.1	1671.4	1672.8
25°	853.5	879.1	903.3	918.9	849.2
27.5°	371.3	415.4	446.6	405.4	375.5
30°	177.8	202.0	240.4	203.4	179.2
32.5°	96.7	112.4	152.2	111.0	95.3
35°	54.1	62.6	93.9	61.2	52.6
37.5°	31.3	34.1	51.2	34.1	29.9
40°	15.6	19.9	27.0	19.9	14.2
42.5°	5.7	10.0	14.2	10.0	5.7
45°	1.4	2.8	8.5	2.8	1.4
47.5°	0.0	0.0	4.3	0.0	0.0
50°	0.0	0.0	1.4	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: P1316569

CATALOG NUMBER: P3SQAS20R409827D010 E3SQCD1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)