

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: P1316716

Luminaire Tested: P3SQAS02R409830DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316716
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R409830DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

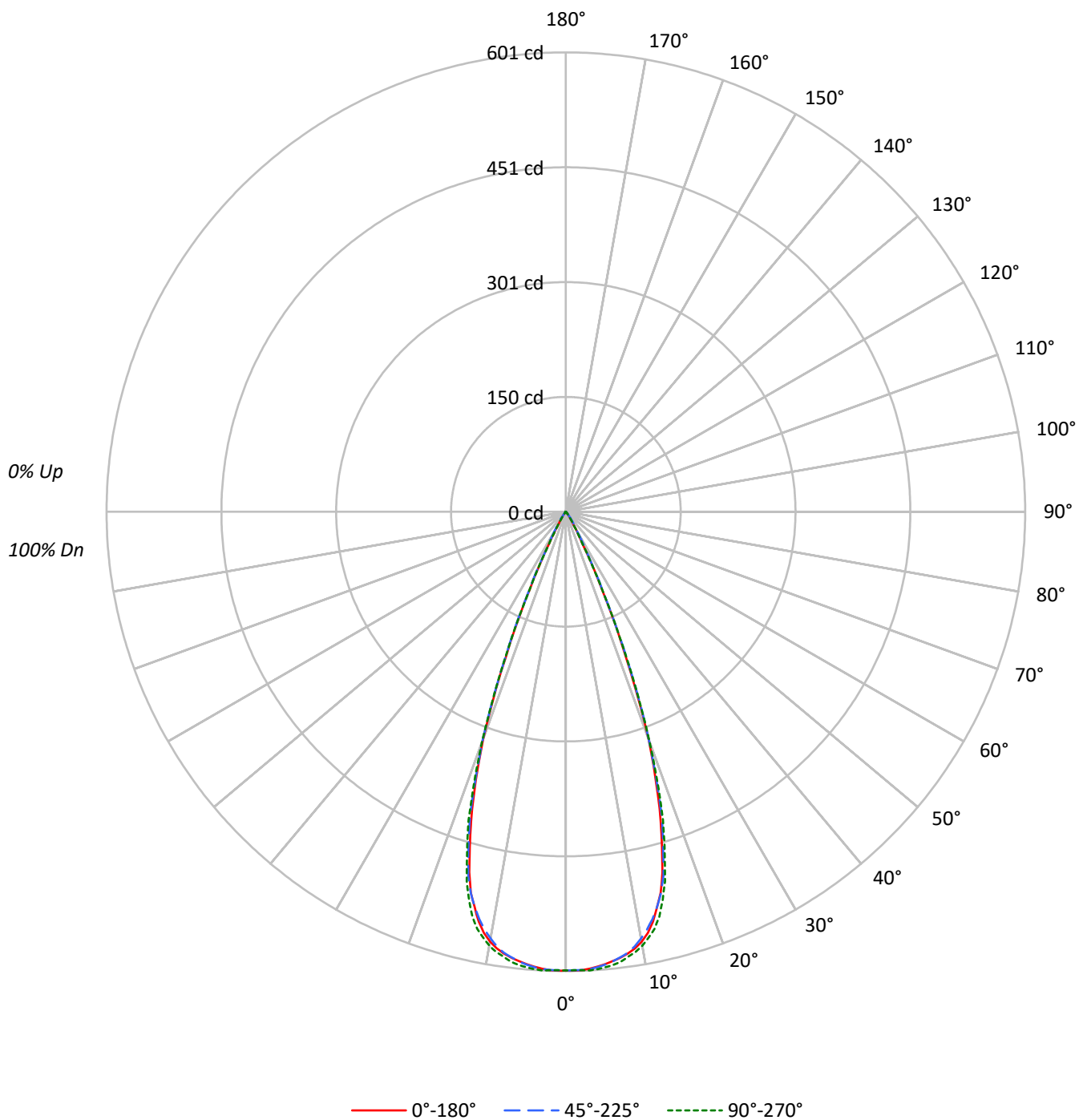
Lumens per Lamp: N/A
Luminaire Lumens: 254.1 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1316716

CATALOG NUMBER: P3SQAS02R409830DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1316716

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	103351	103351	103351
5°	102674	102829	103383
10°	99891	99139	100801
15°	87045	87937	89292
20°	57970	58263	58831
25°	21074	21720	21188
30°	4474	6006	4474
35°	1577	2670	1493
40°	562	854	562
45°	122	341	122
50°	107	134	107
55°	120	120	120
60°	138	138	138
65°	82	163	82
70°	101	101	101
75°	133	133	133
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 341 cd/sqm

TEST NUMBER: P1316716

CATALOG NUMBER: P3SQAS02R409830DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.1	22.1
10°-20°	130.7	51.4
20°-30°	58.8	23.1
30°-40°	6.7	2.6
40°-50°	1.0	0.4
50°-60°	0.4	0.1
60°-70°	0.3	0.1
70°-80°	0.2	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°	245.6	96.7
0°-40°	252.3	99.3
0°-60°	253.6	99.8
0°-90°	254.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	254.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	600	600	600	600	600	
5°	594	593	595	598	598	56
15°	488	489	493	497	501	130
25°	111	112	114	114	112	57
35°	8	8	13	8	7	6
45°	0	1	1	1	0	1
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: P1316716

CATALOG NUMBER: P3SQAS02R409830DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	600.1	600.1	600.1	600.1	600.1
1°	600.5	600.0	599.8	600.9	600.0
2°	600.0	599.6	599.8	600.9	600.1
3°	598.4	598.5	599.1	601.0	600.9
4°	596.4	596.2	597.3	599.8	599.8
5°	593.9	593.2	594.8	597.5	598.0
6°	591.0	590.1	591.4	594.8	596.0
7°	587.8	586.0	587.1	591.2	592.8
8°	583.5	581.2	582.5	586.6	587.8
9°	578.2	574.6	575.7	580.7	583.2
10°	571.2	566.7	566.9	572.5	576.4
11°	561.4	556.4	556.6	563.5	567.6
12°	548.4	543.9	544.8	551.2	557.8
13°	530.7	529.4	530.5	537.5	543.5
14°	513.5	512.3	514.2	520.7	523.5
15°	488.2	489.4	493.2	497.1	500.8
17.5°	407.8	412.6	417.1	419.7	423.0
20°	316.3	310.8	317.9	314.7	321.0
22.5°	204.2	208.3	210.1	208.3	209.0
25°	110.9	111.6	114.3	114.3	111.5
27.5°	47.2	50.9	54.3	53.0	47.2
30°	22.5	25.9	30.2	26.1	22.5
32.5°	12.7	15.0	19.5	14.6	12.3
35°	7.5	8.4	12.7	8.0	7.1
37.5°	4.5	4.6	7.0	4.8	4.3
40°	2.5	3.0	3.8	3.0	2.5
42.5°	1.3	1.8	2.3	1.8	1.3
45°	0.5	0.9	1.4	0.9	0.5
47.5°	0.5	0.5	0.9	0.5	0.5
50°	0.4	0.4	0.5	0.4	0.4
52.5°	0.4	0.4	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.4
60°	0.4	0.4	0.4	0.4	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.2	0.4	0.4	0.4	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
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: P1316716

CATALOG NUMBER: P3SQAS02R409830DE010 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)