

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: P1305459

Luminaire Tested: P3SQAS02R409024DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305459
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: P3SQAS02R409024DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

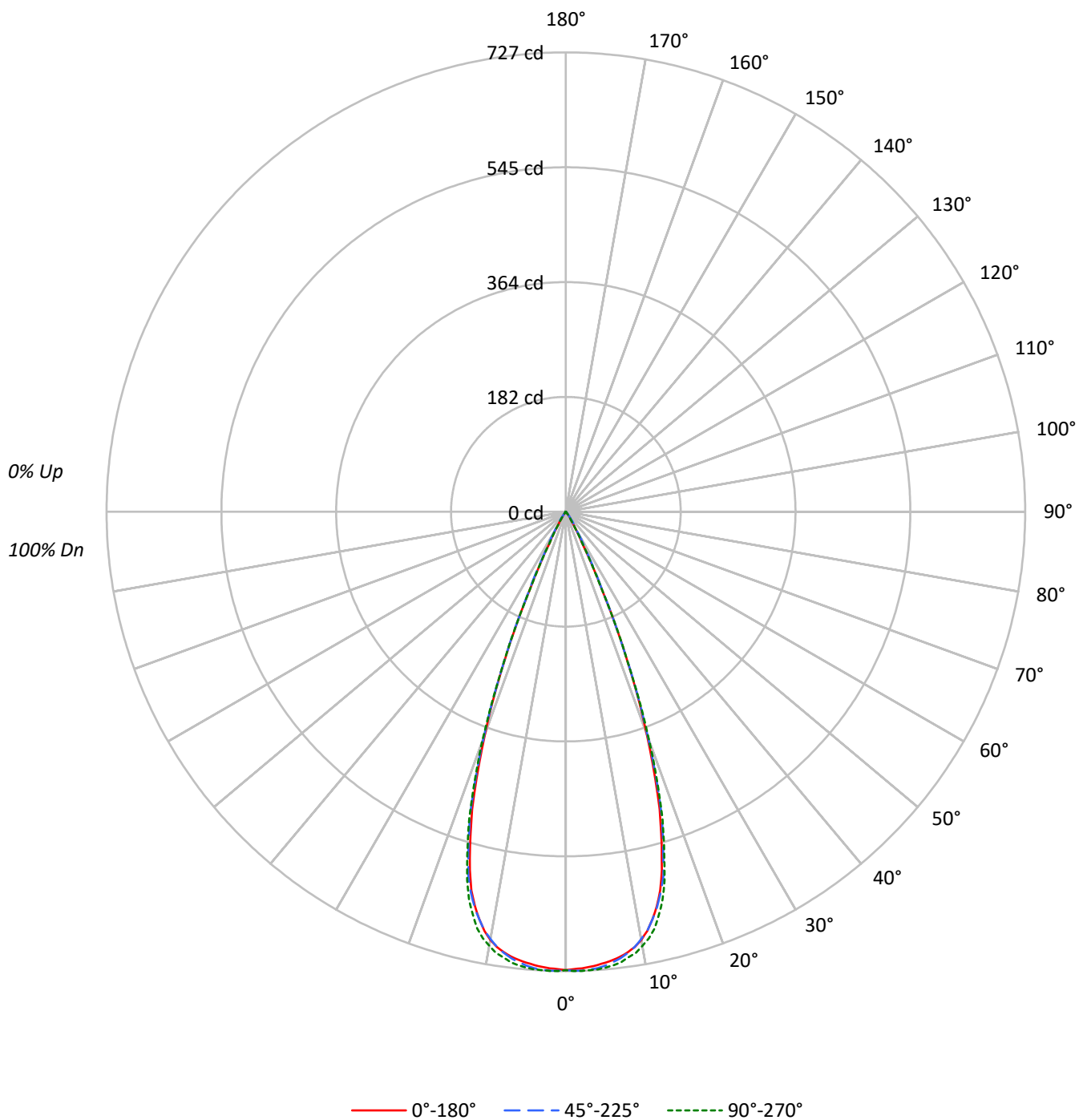
Lumens per Lamp: N/A
Luminaire Lumens: 305.0 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1305459

CATALOG NUMBER: P3SQAS02R409024DE010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1305459

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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	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°	124913	124913	124913
5°	123834	124612	125200
10°	120300	120072	121961
15°	104661	106337	107639
20°	68692	70030	70928
25°	24494	25920	24361
30°	5330	7219	5389
35°	1724	2985	1661
40°	540	922	472
45°	49	317	49
50°	0	54	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: 317 cd/sqm

TEST NUMBER: P1305459

CATALOG NUMBER: P3SQAS02R409024DE010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.8	22.2
10°-20°	158.0	51.8
20°-30°	70.8	23.2
30°-40°	7.7	2.5
40°-50°	0.7	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°	296.6	97.3
0°-40°	304.3	99.8
0°-60°	305.0	100.0
0°-90°	305.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	305.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	725	725	725	725	725	
5°	716	718	721	722	724	68
15°	587	591	596	600	604	156
25°	129	133	136	139	128	69
35°	8	10	14	9	8	6
45°	0	0	1	0	0	0
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: P1305459

CATALOG NUMBER: P3SQAS02R409024DE010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	725.3	725.3	725.3	725.3	725.3
1°	723.8	725.3	726.6	725.5	727.0
2°	723.2	724.9	726.8	725.7	727.0
3°	721.4	723.6	725.7	725.1	726.4
4°	719.1	720.8	724.0	724.0	725.9
5°	716.3	718.2	720.8	721.9	724.2
6°	713.3	714.3	716.3	718.4	721.6
7°	709.4	709.4	711.8	713.9	718.2
8°	704.0	703.6	705.3	708.1	712.0
9°	697.4	695.9	697.2	701.2	707.0
10°	687.9	686.6	686.6	691.8	697.4
11°	675.7	675.3	675.5	680.4	687.9
12°	659.1	659.6	659.6	665.2	674.4
13°	640.5	640.2	642.2	648.4	654.6
14°	617.7	619.0	620.9	626.5	632.9
15°	587.0	591.3	596.4	599.9	603.7
17.5°	493.6	497.9	504.9	507.7	508.6
20°	374.8	381.0	382.1	387.7	387.0
22.5°	251.3	250.9	251.7	252.4	252.6
25°	128.9	132.7	136.4	138.7	128.2
27.5°	56.1	62.7	67.4	61.2	56.7
30°	26.8	30.5	36.3	30.7	27.1
32.5°	14.6	17.0	23.0	16.8	14.4
35°	8.2	9.5	14.2	9.2	7.9
37.5°	4.7	5.2	7.7	5.2	4.5
40°	2.4	3.0	4.1	3.0	2.1
42.5°	0.9	1.5	2.1	1.5	0.9
45°	0.2	0.4	1.3	0.4	0.2
47.5°	0.0	0.0	0.6	0.0	0.0
50°	0.0	0.0	0.2	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: P1305459

CATALOG NUMBER: P3SQAS02R409024DE010 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)