

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: P1305514

Luminaire Tested: P3SQASS02R709024DE010 E3SQCLSWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305514
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS02R709024DE010 E3SQCLSWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3SQCLSWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

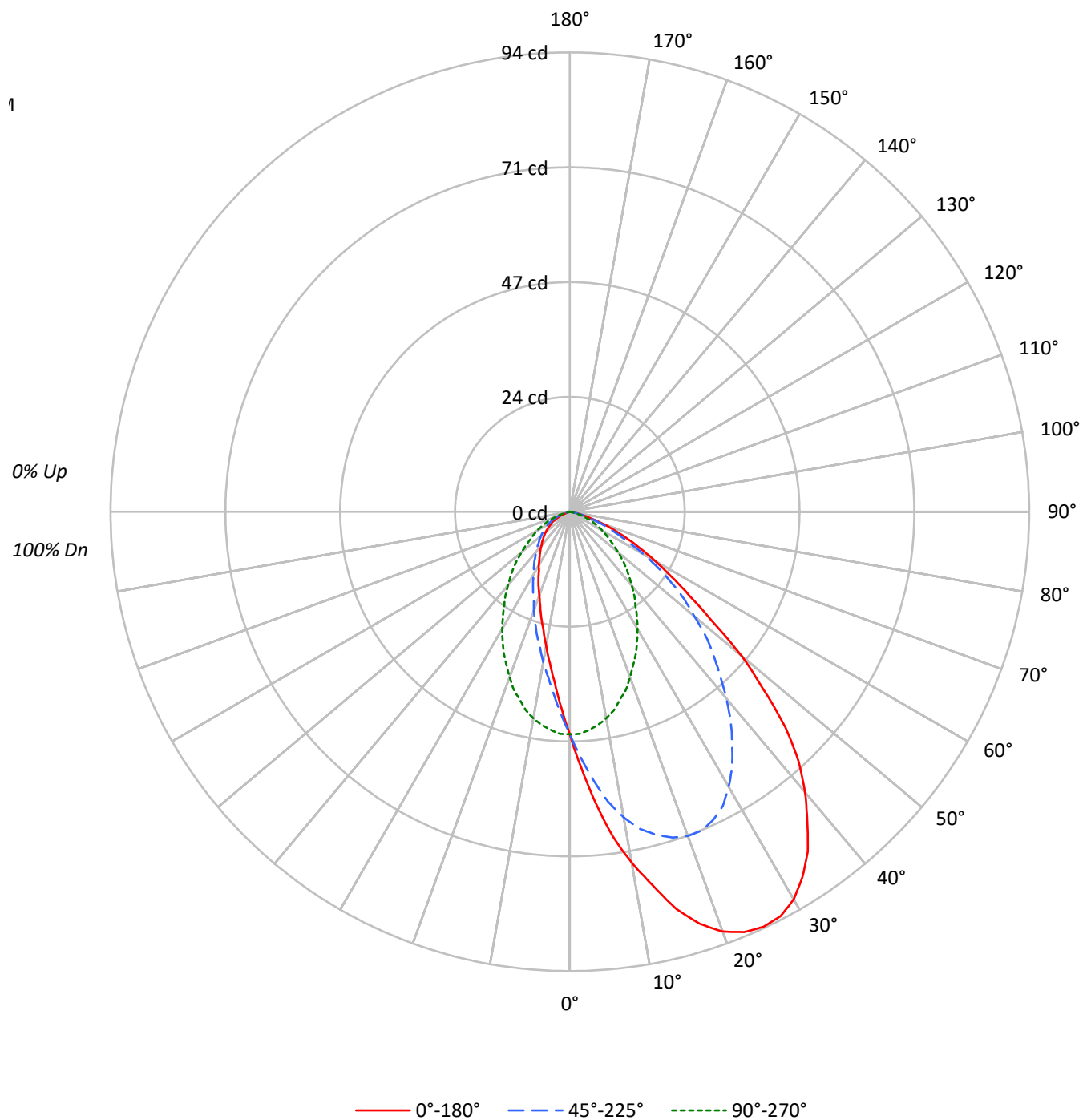
Lumens per Lamp: N/A
Luminaire Lumens: 102.0 lumens
Efficiency: N/A
Efficacy: 28.3 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89	89	89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77	77	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67	67	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59	59	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52	52	52
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46	46	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42	42	42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38	38	38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34	34	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31	31	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7836	7836	7836	7836	7836
5°	10304	9526	7745	6483	6085
10°	12749	11105	7502	5474	4879
15°	14995	12196	7078	4636	4012
20°	16751	12939	6598	3940	3336
25°	17805	13207	6081	3382	2888
30°	18216	12926	5509	2943	2526
35°	17850	12173	4920	2670	2250
40°	16839	11196	4429	2406	2023
45°	15198	10132	3970	2192	1875
50°	12298	8895	3456	2063	1715
55°	8948	7657	2973	1922	1531
60°	6958	6062	2652	1757	1412
65°	5257	4360	2201	1589	1060
70°	3676	3122	1611	1209	655
75°	2129	1863	865	599	133
80°	397	595	198	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15198 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	4.4
10°-20°	13.3	13.0
20°-30°	20.0	19.6
30°-40°	22.2	21.8
40°-50°	19.7	19.3
50°-60°	13.4	13.1
60°-70°	7.0	6.9
70°-80°	2.0	1.9
80°-90°	0.1	0.1
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°	37.7	36.9
0°-40°	59.9	58.7
0°-60°	93.0	91.1
0°-90°	102.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	102.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	46	46	46	46	46	
5°	60	55	45	38	35	6
15°	84	68	40	26	22	24
25°	94	70	32	18	15	43
35°	85	58	23	13	11	53
45°	62	42	16	9	8	47
55°	30	26	10	6	5	28
65°	13	11	5	4	3	13
75°	3	3	1	1	0	4
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
2.5°	52.3	52.1	51.9	51.9	51.7	51.5	51.1	51.1	50.6	50.2	49.8
5°	59.6	59.6	59.6	59.0	59.0	58.1	57.7	56.8	56.0	55.1	54.1
7.5°	66.9	66.9	66.3	66.1	65.4	64.6	63.9	62.6	61.1	59.8	58.1
10°	72.9	72.9	72.3	71.9	70.6	69.7	68.4	66.9	65.4	63.5	61.3
12.5°	78.3	78.5	77.7	76.8	75.5	74.2	72.5	70.6	68.6	66.5	63.7
15°	84.1	83.9	82.8	81.7	80.2	78.3	76.1	73.6	71.0	68.4	65.4
17.5°	88.4	88.2	87.1	85.8	83.9	81.5	79.2	76.1	73.1	69.9	66.3
20°	91.4	91.2	90.1	88.4	86.4	83.9	81.1	77.7	74.4	70.6	66.5
22.5°	93.1	92.9	91.6	90.1	87.7	84.9	81.9	78.3	74.6	70.6	66.1
25°	93.7	93.3	92.0	90.3	87.9	84.9	81.5	77.7	73.8	69.5	64.8
27.5°	93.3	92.9	91.4	89.4	86.9	83.4	80.0	76.1	72.1	67.8	62.8
30°	91.6	90.9	89.7	87.7	84.9	81.5	77.9	73.8	69.5	65.0	60.1
32.5°	88.6	88.2	86.9	84.7	81.9	78.5	74.9	70.6	66.3	61.8	56.8
35°	84.9	84.1	82.8	80.9	78.1	74.6	71.0	66.5	62.4	57.9	53.2
37.5°	79.8	79.6	78.1	76.6	73.8	70.1	66.7	62.4	58.3	54.1	49.3
40°	74.9	74.4	73.1	71.4	68.6	65.4	61.8	57.9	53.8	49.8	45.5
42.5°	69.3	68.6	67.8	66.1	63.5	60.3	56.8	53.0	49.3	45.5	41.6
45°	62.4	62.2	61.1	60.3	57.9	55.1	51.7	48.3	44.6	41.6	38.6
47.5°	53.6	53.4	53.2	52.6	51.3	49.3	46.8	43.5	40.8	37.8	33.7
50°	45.9	45.7	45.3	45.0	44.0	42.9	41.0	39.0	36.7	33.2	30.0
52.5°	36.5	36.7	37.3	37.5	37.3	36.5	35.6	35.0	31.7	29.6	26.6
55°	29.8	29.8	29.6	29.8	30.0	30.5	30.5	29.6	27.5	25.5	23.0
57.5°	24.5	24.5	24.5	24.5	24.5	24.7	24.7	24.5	23.4	21.5	19.1
60°	20.2	19.9	19.9	20.2	19.9	19.9	20.2	20.2	19.1	17.6	15.4
62.5°	16.3	16.3	16.3	16.1	16.1	16.3	16.3	16.1	15.2	13.7	12.2
65°	12.9	12.9	12.9	12.9	12.9	13.1	12.9	12.7	11.8	10.7	9.7
67.5°	9.9	9.9	10.1	9.9	10.1	10.1	10.1	9.7	9.0	8.2	7.5
70°	7.3	7.3	7.3	7.5	7.7	7.7	7.5	7.1	6.6	6.2	5.6
72.5°	4.9	5.1	5.1	5.1	5.4	5.4	5.1	4.9	4.7	4.3	4.1
75°	3.2	3.0	3.2	3.2	3.4	3.4	3.2	3.2	3.0	2.8	2.6
77.5°	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.5	1.5
80°	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
2.5°	49.3	48.7	47.8	45.5	43.3	41.4	40.3	40.1
5°	52.8	51.9	49.8	44.8	40.8	37.5	35.6	35.2
7.5°	56.4	54.7	51.7	44.0	38.2	34.1	32.0	31.3
10°	59.2	57.1	53.0	42.9	35.6	31.3	28.7	27.9
12.5°	61.1	58.6	54.1	41.6	33.5	28.3	25.7	24.9
15°	62.2	59.4	54.3	39.7	30.9	26.0	23.2	22.5
17.5°	62.6	59.4	53.8	38.2	28.5	23.6	21.0	20.2
20°	62.4	58.6	52.8	36.0	26.4	21.5	18.9	18.2
22.5°	61.6	57.3	51.1	33.9	24.2	19.3	17.2	16.7
25°	60.3	55.6	49.1	32.0	22.3	17.8	15.7	15.2
27.5°	58.1	53.4	46.5	29.8	20.6	16.3	14.4	13.7
30°	55.3	50.8	44.0	27.7	18.9	14.8	13.1	12.7
32.5°	52.3	47.8	41.4	25.5	17.4	13.7	12.0	11.6
35°	48.9	44.6	38.2	23.4	15.9	12.7	10.9	10.7
37.5°	45.5	41.2	35.4	21.7	14.6	11.6	10.1	9.9
40°	41.6	38.2	33.9	19.7	13.5	10.7	9.4	9.0
42.5°	39.3	34.5	29.2	18.0	12.4	9.9	8.6	8.4
45°	34.1	30.7	26.4	16.3	11.4	9.0	7.9	7.7
47.5°	30.7	27.7	23.6	14.6	10.5	8.4	7.3	7.1
50°	27.2	24.5	20.6	12.9	9.7	7.7	6.6	6.4
52.5°	23.8	21.0	17.6	11.4	8.6	7.1	6.0	5.8
55°	20.4	17.8	14.6	9.9	7.7	6.4	5.6	5.1
57.5°	16.7	14.6	12.4	8.8	6.9	5.8	4.9	4.5
60°	13.5	12.2	10.5	7.7	6.0	5.1	4.3	4.1
62.5°	10.9	9.9	8.8	6.6	5.4	4.5	3.9	3.2
65°	8.8	8.2	7.3	5.4	4.5	3.9	3.2	2.6
67.5°	6.9	6.4	5.8	4.5	3.6	3.2	2.4	1.9
70°	5.4	4.9	4.5	3.2	2.8	2.4	1.7	1.3
72.5°	3.9	3.4	3.2	2.4	1.9	1.7	1.1	0.6
75°	2.4	2.4	1.9	1.3	1.1	0.9	0.4	0.2
77.5°	1.3	1.3	1.1	0.6	0.6	0.2	0.0	0.0
80°	0.6	0.4	0.4	0.2	0.2	0.0	0.0	0.0
82.5°	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)