

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: P1306487

Luminaire Tested: P3SQAS02R709027DE010 E3SQCLSWW1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306487
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: P3SQAS02R709027DE010 E3SQCLSWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3SQCLSWW1MMS TR
Light Source: -
Ballast/Driver: -

Summary

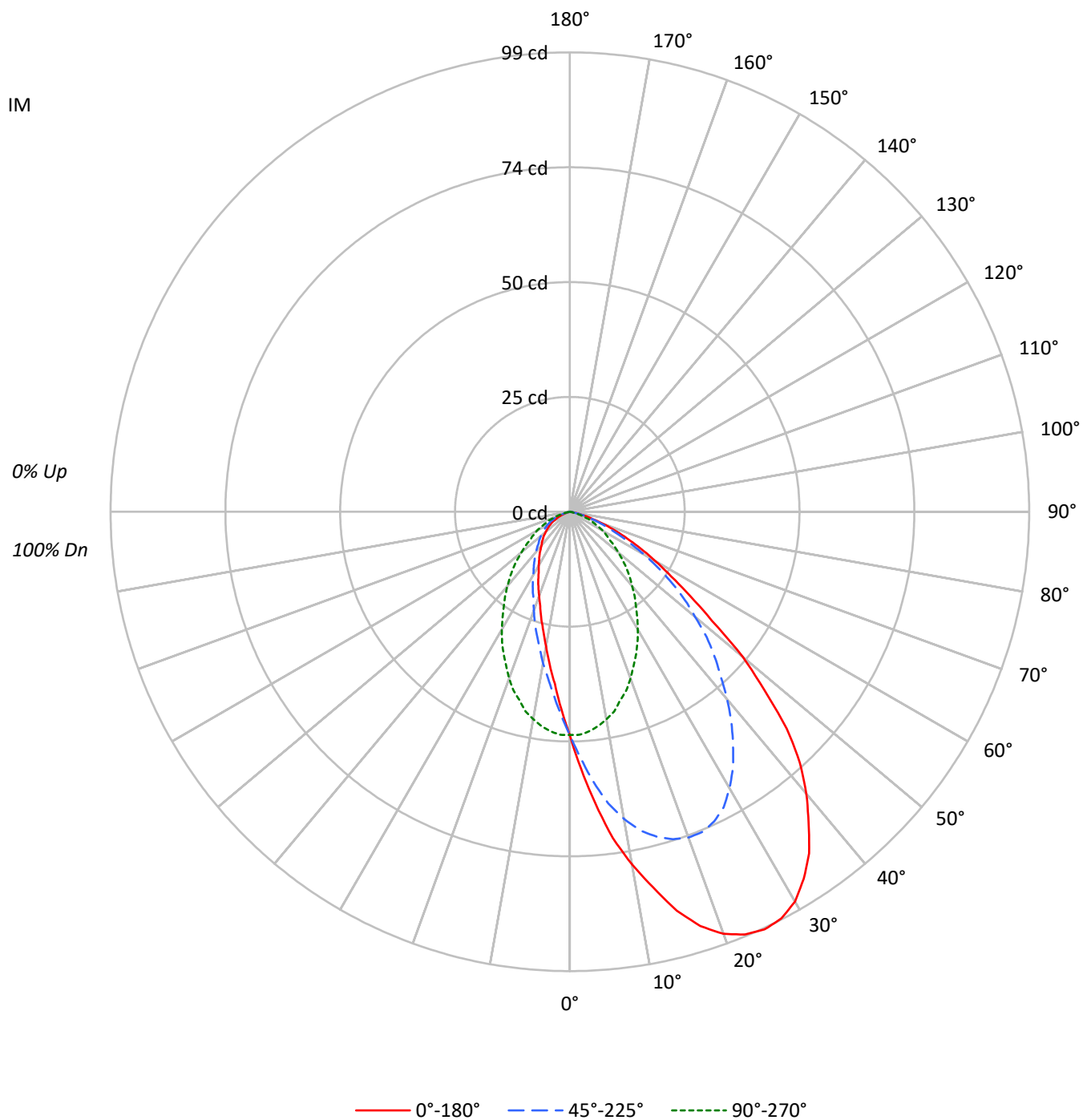
Lumens per Lamp: N/A
Luminaire Lumens: 108.0 lumens
Efficiency: N/A
Efficacy: 30.0 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1306487

CATALOG NUMBER: P3SQAS02R709027DE010 E3SQCLSWW1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1306487

CATALOG NUMBER: P3SQAS02R709027DE010 E3SQCLSWW1MMS

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°	8284	8284	8284	8284	8284
5°	10909	10096	8212	6863	6431
10°	13501	11752	7940	5806	5159
15°	15869	12927	7489	4903	4243
20°	17741	13691	7001	4160	3537
25°	18870	13986	6423	3592	3059
30°	19290	13682	5827	3122	2665
35°	18901	12888	5214	2817	2397
40°	17828	11848	4699	2563	2136
45°	16099	10741	4214	2314	1997
50°	13021	9431	3644	2197	1822
55°	9488	8107	3123	2042	1651
60°	7337	6407	2824	1894	1481
65°	5542	4646	2323	1671	1100
70°	3877	3323	1712	1259	705
75°	2262	1996	932	599	133
80°	496	694	198	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16099 cd/sqm

TEST NUMBER: P1306487

CATALOG NUMBER: P3SQAS02R709027DE010 E3SQCLSWW1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.7	4.4
10°-20°	14.0	13.0
20°-30°	21.2	19.6
30°-40°	23.5	21.8
40°-50°	20.8	19.3
50°-60°	14.1	13.1
60°-70°	7.4	6.9
70°-80°	2.1	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°	39.9	36.9
0°-40°	63.4	58.7
0°-60°	98.4	91.1
0°-90°	108.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	108.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	48	48	48	48	48	
5°	63	58	48	40	37	6
15°	89	72	42	28	24	25
25°	99	74	34	19	16	46
35°	90	61	25	13	11	56
45°	66	44	17	10	8	50
55°	32	27	10	7	6	29
65°	14	11	6	4	3	14
75°	3	3	1	1	0	4
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1306487

CATALOG NUMBER: P3SQAS02R709027DE010 E3SQCLSWW1MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
2.5°	55.4	55.2	55.0	55.0	54.7	54.5	54.1	54.1	53.6	53.1	52.7
5°	63.1	63.1	63.1	62.5	62.5	61.6	61.1	60.2	59.3	58.4	57.2
7.5°	70.9	70.9	70.2	70.0	69.3	68.4	67.7	66.3	64.7	63.4	61.6
10°	77.2	77.2	76.5	76.1	74.7	73.8	72.5	70.9	69.3	67.2	65.0
12.5°	82.9	83.1	82.2	81.3	79.9	78.6	76.8	74.7	72.7	70.4	67.5
15°	89.0	88.8	87.7	86.5	84.9	82.9	80.6	77.9	75.2	72.5	69.3
17.5°	93.6	93.3	92.2	90.8	88.8	86.3	83.8	80.6	77.4	74.0	70.2
20°	96.8	96.5	95.4	93.6	91.5	88.8	85.9	82.2	78.8	74.7	70.4
22.5°	98.6	98.3	97.0	95.4	92.9	89.9	86.8	82.9	79.0	74.7	70.0
25°	99.3	98.8	97.4	95.6	93.1	89.9	86.3	82.2	78.1	73.6	68.6
27.5°	98.8	98.3	96.8	94.7	92.0	88.4	84.7	80.6	76.3	71.8	66.5
30°	97.0	96.3	94.9	92.9	89.9	86.3	82.4	78.1	73.6	68.8	63.6
32.5°	93.8	93.3	92.0	89.7	86.8	83.1	79.3	74.7	70.2	65.4	60.2
35°	89.9	89.0	87.7	85.6	82.7	79.0	75.2	70.4	66.1	61.3	56.3
37.5°	84.5	84.3	82.7	81.1	78.1	74.3	70.6	66.1	61.8	57.2	52.2
40°	79.3	78.8	77.4	75.6	72.7	69.3	65.4	61.3	57.0	52.7	48.1
42.5°	73.4	72.7	71.8	70.0	67.2	63.8	60.2	56.1	52.2	48.1	44.1
45°	66.1	65.9	64.7	63.8	61.3	58.4	54.7	51.1	47.2	44.1	40.9
47.5°	56.8	56.6	56.3	55.6	54.3	52.2	49.5	46.1	43.2	40.0	35.7
50°	48.6	48.4	47.9	47.7	46.6	45.4	43.4	41.3	38.8	35.2	31.8
52.5°	38.6	38.8	39.5	39.7	39.5	38.6	37.7	37.0	33.6	31.3	28.2
55°	31.6	31.6	31.3	31.6	31.8	32.3	32.3	31.3	29.1	27.0	24.3
57.5°	25.9	25.9	25.9	25.9	25.9	26.1	26.1	25.9	24.8	22.7	20.2
60°	21.3	21.1	21.1	21.3	21.1	21.1	21.3	21.3	20.2	18.6	16.4
62.5°	17.3	17.3	17.3	17.0	17.0	17.3	17.3	17.0	16.1	14.5	12.9
65°	13.6	13.6	13.6	13.6	13.6	13.9	13.6	13.4	12.5	11.4	10.2
67.5°	10.4	10.4	10.7	10.4	10.7	10.7	10.7	10.2	9.5	8.6	7.9
70°	7.7	7.7	7.7	7.9	8.2	8.2	7.9	7.5	7.0	6.6	5.9
72.5°	5.2	5.5	5.5	5.5	5.7	5.7	5.5	5.2	5.0	4.5	4.3
75°	3.4	3.2	3.4	3.4	3.6	3.6	3.4	3.4	3.2	3.0	2.7
77.5°	1.6	1.6	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.6	1.6
80°	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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

TEST NUMBER: P1306487

CATALOG NUMBER: P3SQAS02R709027DE010 E3SQCLSWW1MMS

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
2.5°	52.2	51.6	50.6	48.1	45.9	43.8	42.7	42.5
5°	55.9	55.0	52.7	47.5	43.2	39.7	37.7	37.2
7.5°	59.7	57.9	54.7	46.6	40.4	36.1	33.8	33.2
10°	62.7	60.4	56.1	45.4	37.7	33.2	30.4	29.5
12.5°	64.7	62.0	57.2	44.1	35.4	30.0	27.3	26.3
15°	65.9	62.9	57.5	42.0	32.7	27.5	24.5	23.8
17.5°	66.3	62.9	57.0	40.4	30.2	25.0	22.3	21.3
20°	66.1	62.0	55.9	38.2	27.9	22.7	20.0	19.3
22.5°	65.2	60.6	54.1	35.9	25.7	20.4	18.2	17.7
25°	63.8	58.8	52.0	33.8	23.6	18.9	16.6	16.1
27.5°	61.6	56.6	49.3	31.6	21.8	17.3	15.2	14.5
30°	58.6	53.8	46.6	29.3	20.0	15.7	13.9	13.4
32.5°	55.4	50.6	43.8	27.0	18.4	14.5	12.7	12.3
35°	51.8	47.2	40.4	24.8	16.8	13.4	11.6	11.4
37.5°	48.1	43.6	37.5	22.9	15.4	12.3	10.7	10.4
40°	44.1	40.4	35.9	20.9	14.3	11.4	10.0	9.5
42.5°	41.6	36.6	30.9	19.1	13.2	10.4	9.1	8.9
45°	36.1	32.5	27.9	17.3	12.0	9.5	8.4	8.2
47.5°	32.5	29.3	25.0	15.4	11.1	8.9	7.7	7.5
50°	28.8	25.9	21.8	13.6	10.2	8.2	7.0	6.8
52.5°	25.2	22.3	18.6	12.0	9.1	7.5	6.4	6.1
55°	21.6	18.9	15.4	10.4	8.2	6.8	5.9	5.5
57.5°	17.7	15.4	13.2	9.3	7.3	6.1	5.2	4.8
60°	14.3	12.9	11.1	8.2	6.4	5.5	4.5	4.3
62.5°	11.6	10.4	9.3	7.0	5.7	4.8	4.1	3.4
65°	9.3	8.6	7.7	5.7	4.8	4.1	3.4	2.7
67.5°	7.3	6.8	6.1	4.8	3.9	3.4	2.5	2.0
70°	5.7	5.2	4.8	3.4	3.0	2.5	1.8	1.4
72.5°	4.1	3.6	3.4	2.5	2.0	1.8	1.1	0.7
75°	2.5	2.5	2.0	1.4	1.1	0.9	0.5	0.2
77.5°	1.4	1.4	1.1	0.7	0.7	0.2	0.0	0.0
80°	0.7	0.5	0.5	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)