

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: P1306654

Luminaire Tested: P3SQAS05R709027DE010 E3SQCLSWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306654
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: P3SQAS05R709027DE010 E3SQCLSWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3SQCLSWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

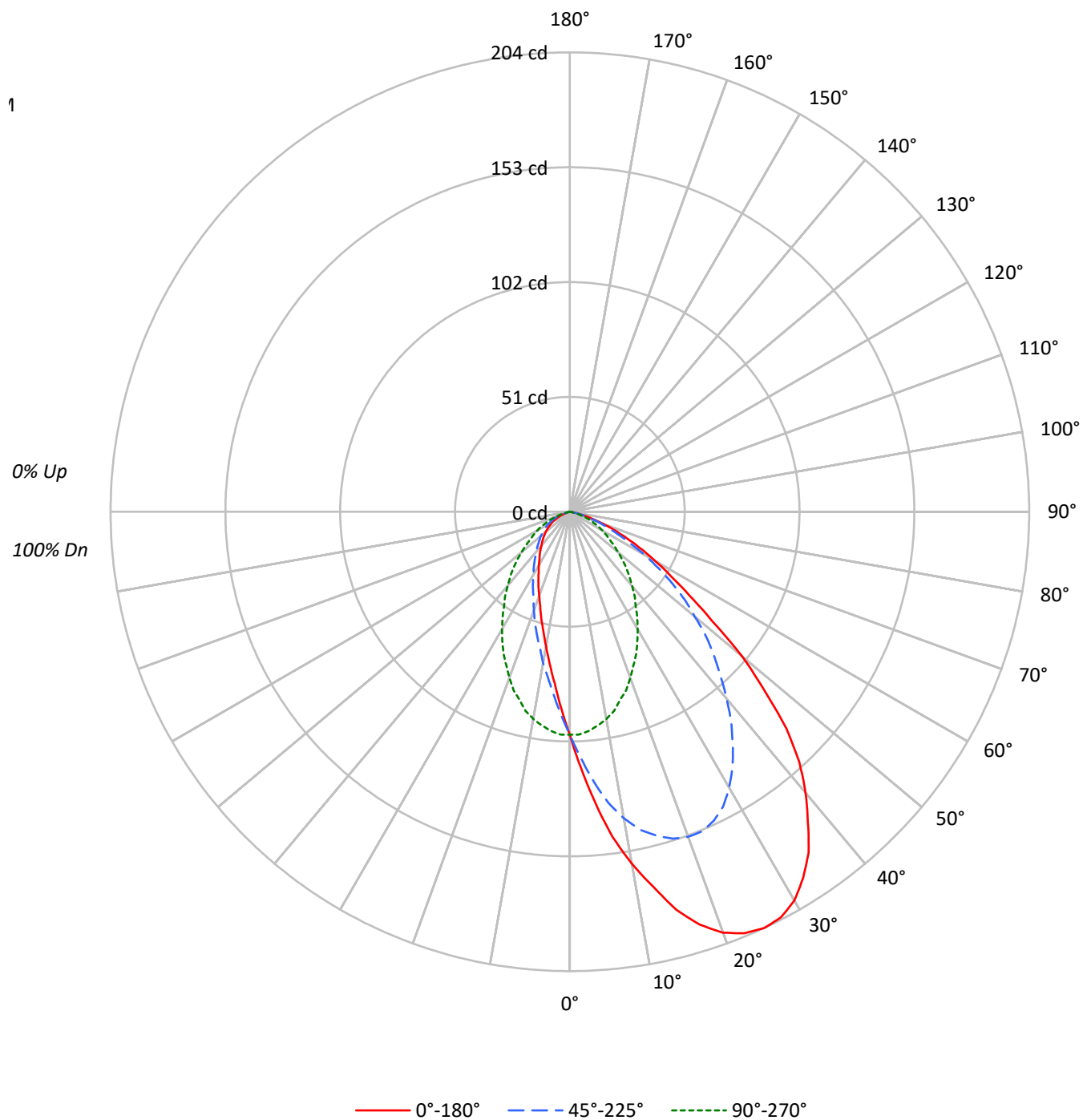
Lumens per Lamp: N/A
Luminaire Lumens: 222.0 lumens
Efficiency: N/A
Efficacy: 30.8 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	100		
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89		
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77		
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67		
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59		
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52		
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46		
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42		
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38		
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34		
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	17050	17050	17050	17050	17050
5°	22440	20746	16873	14124	13243
10°	27753	24168	16334	11927	10615
15°	32629	26549	15405	10074	8737
20°	36453	28151	14369	8559	7276
25°	38765	28751	13226	7354	6290
30°	39654	28139	11972	6403	5469
35°	38874	26512	10701	5782	4899
40°	36623	24348	9667	5238	4406
45°	33100	22066	8646	4774	4092
50°	26766	19398	7502	4501	3751
55°	19487	16695	6456	4204	3363
60°	15121	13192	5787	3858	3066
65°	11410	9495	4768	3423	2282
70°	8006	6798	3525	2568	1410
75°	4658	4059	1863	1264	333
80°	893	1389	496	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 33100 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.7	4.4
10°-20°	28.9	13.0
20°-30°	43.5	19.6
30°-40°	48.3	21.8
40°-50°	42.8	19.3
50°-60°	29.1	13.1
60°-70°	15.2	6.9
70°-80°	4.3	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°	82.0	36.9
0°-40°	130.4	58.7
0°-60°	202.3	91.1
0°-90°	222.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	222.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	99	99	99	99	99	
5°	130	120	98	82	77	13
15°	183	149	86	56	49	52
25°	204	151	70	39	33	94
35°	185	126	51	28	23	115
45°	136	91	36	20	17	103
55°	65	56	22	14	11	60
65°	28	23	12	8	6	28
75°	7	6	3	2	0	8
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°	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
2.5°	113.9	113.4	113.0	113.0	112.5	112.0	111.1	111.1	110.2	109.2	108.3
5°	129.8	129.8	129.8	128.4	128.4	126.5	125.6	123.7	121.9	120.0	117.6
7.5°	145.7	145.7	144.3	143.8	142.4	140.5	139.1	136.3	133.1	130.3	126.5
10°	158.7	158.7	157.3	156.4	153.6	151.7	148.9	145.7	142.4	138.2	133.5
12.5°	170.4	170.9	169.0	167.1	164.3	161.5	157.8	153.6	149.4	144.7	138.7
15°	183.0	182.5	180.2	177.9	174.6	170.4	165.7	160.1	154.5	148.9	142.4
17.5°	192.3	191.9	189.5	186.7	182.5	177.4	172.3	165.7	159.2	152.2	144.3
20°	198.9	198.4	196.1	192.3	188.1	182.5	176.5	169.0	162.0	153.6	144.7
22.5°	202.6	202.2	199.4	196.1	190.9	184.9	178.3	170.4	162.5	153.6	143.8
25°	204.0	203.1	200.3	196.5	191.4	184.9	177.4	169.0	160.6	151.3	141.0
27.5°	203.1	202.2	198.9	194.7	189.1	181.6	174.1	165.7	156.9	147.5	136.8
30°	199.4	197.9	195.1	190.9	184.9	177.4	169.5	160.6	151.3	141.5	130.7
32.5°	192.8	191.9	189.1	184.4	178.3	170.9	162.9	153.6	144.3	134.5	123.7
35°	184.9	183.0	180.2	176.0	169.9	162.5	154.5	144.7	135.9	126.1	115.8
37.5°	173.7	173.2	169.9	166.7	160.6	152.7	145.2	135.9	127.0	117.6	107.4
40°	162.9	162.0	159.2	155.5	149.4	142.4	134.5	126.1	117.2	108.3	99.0
42.5°	150.8	149.4	147.5	143.8	138.2	131.2	123.7	115.3	107.4	99.0	90.6
45°	135.9	135.4	133.1	131.2	126.1	120.0	112.5	105.0	97.1	90.6	84.0
47.5°	116.7	116.2	115.8	114.4	111.6	107.4	101.8	94.8	88.7	82.2	73.3
50°	99.9	99.4	98.5	98.0	95.7	93.4	89.2	85.0	79.8	72.4	65.4
52.5°	79.4	79.8	81.2	81.7	81.2	79.4	77.5	76.1	69.1	64.4	57.9
55°	64.9	64.9	64.4	64.9	65.4	66.3	66.3	64.4	59.8	55.6	50.0
57.5°	53.2	53.2	53.2	53.2	53.2	53.7	53.7	53.2	50.9	46.7	41.6
60°	43.9	43.4	43.4	43.9	43.4	43.4	43.9	43.9	41.6	38.3	33.6
62.5°	35.5	35.5	35.5	35.0	35.0	35.5	35.5	35.0	33.1	29.9	26.6
65°	28.0	28.0	28.0	28.0	28.0	28.5	28.0	27.5	25.7	23.3	21.0
67.5°	21.5	21.5	21.9	21.5	21.9	21.9	21.9	21.0	19.6	17.7	16.3
70°	15.9	15.9	15.9	16.3	16.8	16.8	16.3	15.4	14.5	13.5	12.1
72.5°	10.7	11.2	11.2	11.2	11.7	11.7	11.2	10.7	10.3	9.3	8.9
75°	7.0	6.5	7.0	7.0	7.5	7.5	7.0	7.0	6.5	6.1	5.6
77.5°	3.3	3.3	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.3	3.3
80°	0.9	0.9	0.9	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
82.5°	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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°	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
2.5°	107.4	106.0	104.1	99.0	94.3	90.1	87.8	87.3
5°	114.8	113.0	108.3	97.6	88.7	81.7	77.5	76.6
7.5°	122.8	119.1	112.5	95.7	83.1	74.2	69.6	68.2
10°	128.9	124.2	115.3	93.4	77.5	68.2	62.6	60.7
12.5°	133.1	127.5	117.6	90.6	72.8	61.6	56.0	54.2
15°	135.4	129.3	118.1	86.4	67.2	56.5	50.4	49.0
17.5°	136.3	129.3	117.2	83.1	62.1	51.4	45.8	43.9
20°	135.9	127.5	114.8	78.4	57.4	46.7	41.1	39.7
22.5°	134.0	124.7	111.1	73.8	52.8	42.0	37.3	36.4
25°	131.2	120.9	106.9	69.6	48.6	38.7	34.1	33.1
27.5°	126.5	116.2	101.3	64.9	44.8	35.5	31.3	29.9
30°	120.5	110.6	95.7	60.2	41.1	32.2	28.5	27.5
32.5°	113.9	104.1	90.1	55.6	37.8	29.9	26.1	25.2
35°	106.4	97.1	83.1	50.9	34.5	27.5	23.8	23.3
37.5°	99.0	89.6	77.0	47.2	31.7	25.2	21.9	21.5
40°	90.6	83.1	73.8	43.0	29.4	23.3	20.5	19.6
42.5°	85.4	75.2	63.5	39.2	27.1	21.5	18.7	18.2
45°	74.2	66.8	57.4	35.5	24.7	19.6	17.3	16.8
47.5°	66.8	60.2	51.4	31.7	22.9	18.2	15.9	15.4
50°	59.3	53.2	44.8	28.0	21.0	16.8	14.5	14.0
52.5°	51.8	45.8	38.3	24.7	18.7	15.4	13.1	12.6
55°	44.4	38.7	31.7	21.5	16.8	14.0	12.1	11.2
57.5°	36.4	31.7	27.1	19.1	14.9	12.6	10.7	9.8
60°	29.4	26.6	22.9	16.8	13.1	11.2	9.3	8.9
62.5°	23.8	21.5	19.1	14.5	11.7	9.8	8.4	7.0
65°	19.1	17.7	15.9	11.7	9.8	8.4	7.0	5.6
67.5°	14.9	14.0	12.6	9.8	7.9	7.0	5.1	4.2
70°	11.7	10.7	9.8	7.0	6.1	5.1	3.7	2.8
72.5°	8.4	7.5	7.0	5.1	4.2	3.7	2.3	1.4
75°	5.1	5.1	4.2	2.8	2.3	1.9	0.9	0.5
77.5°	2.8	2.8	2.3	1.4	1.4	0.5	0.0	0.0
80°	1.4	0.9	0.9	0.5	0.5	0.0	0.0	0.0
82.5°	0.5	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)