

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: P1305682

Luminaire Tested: P3SQAS05R709024DE010 E3SQCLSWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305682
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: P3SQAS05R709024DE010 E3SQCLSWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3SQCLSWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

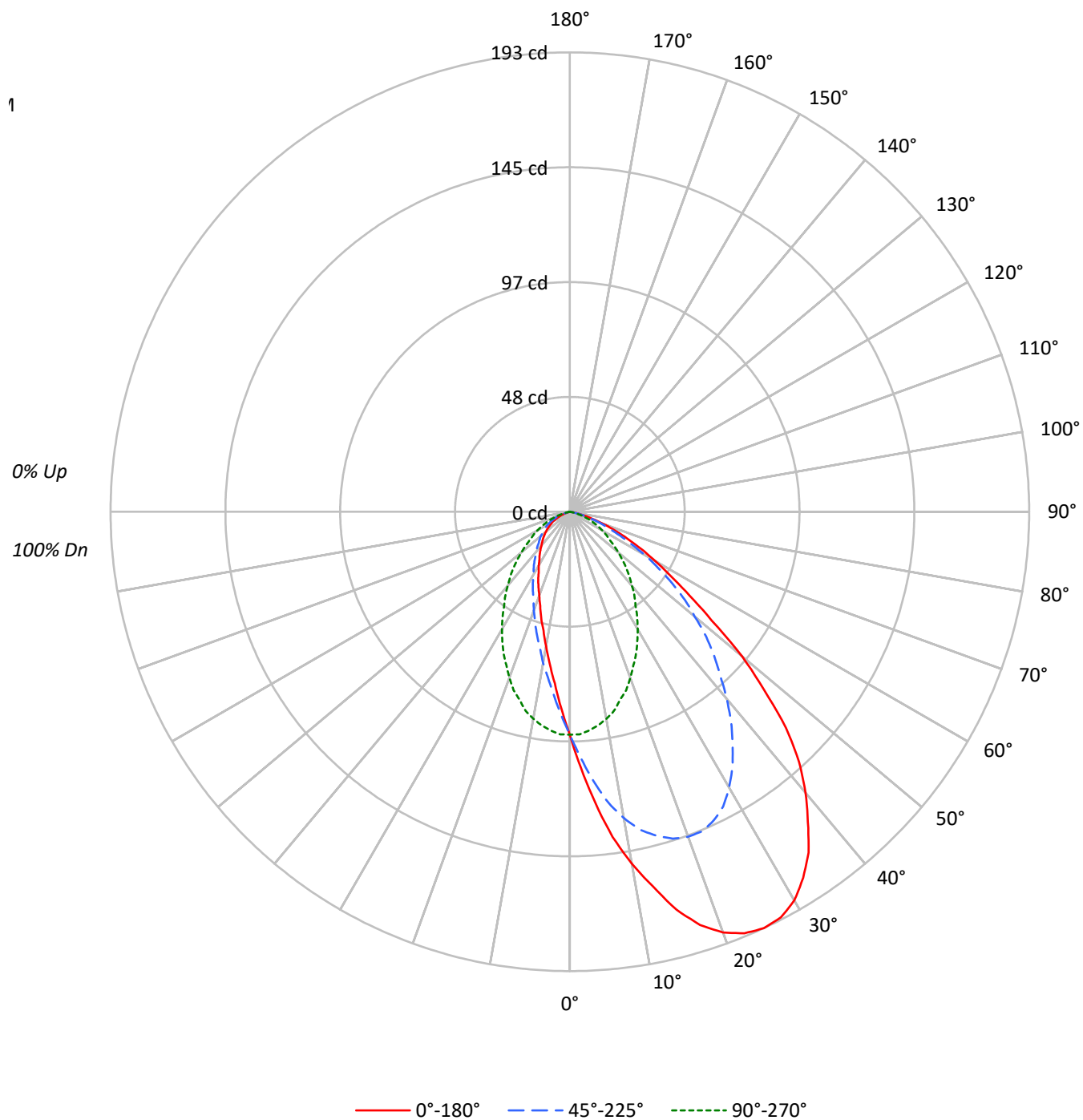
Lumens per Lamp: N/A
Luminaire Lumens: 210.0 lumens
Efficiency: N/A
Efficacy: 29.2 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	40	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°	16120	16120	16120	16120	16120
5°	21230	19622	15957	13364	12517
10°	26267	22857	15442	11280	10038
15°	30863	25122	14567	9521	8273
20°	34474	26630	13599	8101	6873
25°	36675	27193	12504	6974	5967
30°	37506	26608	11335	6065	5190
35°	36772	25061	10113	5487	4646
40°	34645	23044	9128	4969	4159
45°	31297	20873	8184	4506	3873
50°	25319	18353	7100	4260	3537
55°	18436	15794	6095	3963	3183
60°	14294	12469	5477	3651	2893
65°	10799	9006	4483	3219	2160
70°	7553	6445	3323	2467	1309
75°	4392	3793	1730	1198	266
80°	893	1289	397	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31297 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.2	4.4
10°-20°	27.3	13.0
20°-30°	41.1	19.6
30°-40°	45.7	21.8
40°-50°	40.5	19.3
50°-60°	27.5	13.1
60°-70°	14.4	6.9
70°-80°	4.1	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°	77.6	37.0
0°-40°	123.3	58.7
0°-60°	191.4	91.1
0°-90°	210.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	210.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	94	94	94	94	94	
5°	123	114	92	77	72	13
15°	173	141	82	53	46	49
25°	193	143	66	37	31	89
35°	175	119	48	26	22	108
45°	128	86	34	18	16	97
55°	61	53	20	13	11	57
65°	26	22	11	8	5	27
75°	7	6	3	2	0	7
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°	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
2.5°	107.8	107.3	106.9	106.9	106.4	106.0	105.1	105.1	104.2	103.3	102.5
5°	122.8	122.8	122.8	121.4	121.4	119.7	118.8	117.0	115.3	113.5	111.3
7.5°	137.8	137.8	136.5	136.0	134.7	132.9	131.6	129.0	125.9	123.2	119.7
10°	150.2	150.2	148.8	147.9	145.3	143.5	140.9	137.8	134.7	130.7	126.3
12.5°	161.2	161.6	159.9	158.1	155.5	152.8	149.3	145.3	141.3	136.9	131.2
15°	173.1	172.7	170.5	168.3	165.2	161.2	156.8	151.5	146.2	140.9	134.7
17.5°	182.0	181.5	179.3	176.7	172.7	167.8	163.0	156.8	150.6	144.0	136.5
20°	188.1	187.7	185.5	182.0	178.0	172.7	166.9	159.9	153.2	145.3	136.9
22.5°	191.7	191.2	188.6	185.5	180.6	174.9	168.7	161.2	153.7	145.3	136.0
25°	193.0	192.1	189.5	185.9	181.1	174.9	167.8	159.9	151.9	143.1	133.4
27.5°	192.1	191.2	188.1	184.2	178.9	171.8	164.7	156.8	148.4	139.6	129.4
30°	188.6	187.2	184.6	180.6	174.9	167.8	160.3	151.9	143.1	133.8	123.7
32.5°	182.4	181.5	178.9	174.4	168.7	161.6	154.1	145.3	136.5	127.2	117.0
35°	174.9	173.1	170.5	166.5	160.8	153.7	146.2	136.9	128.5	119.2	109.5
37.5°	164.3	163.8	160.8	157.7	151.9	144.4	137.3	128.5	120.1	111.3	101.6
40°	154.1	153.2	150.6	147.1	141.3	134.7	127.2	119.2	110.8	102.5	93.6
42.5°	142.6	141.3	139.6	136.0	130.7	124.1	117.0	109.1	101.6	93.6	85.7
45°	128.5	128.1	125.9	124.1	119.2	113.5	106.4	99.4	91.9	85.7	79.5
47.5°	110.4	110.0	109.5	108.2	105.5	101.6	96.3	89.7	83.9	77.7	69.3
50°	94.5	94.1	93.2	92.7	90.5	88.3	84.4	80.4	75.5	68.5	61.8
52.5°	75.1	75.5	76.8	77.3	76.8	75.1	73.3	72.0	65.4	60.9	54.8
55°	61.4	61.4	60.9	61.4	61.8	62.7	62.7	60.9	56.5	52.6	47.3
57.5°	50.3	50.3	50.3	50.3	50.3	50.8	50.8	50.3	48.1	44.2	39.3
60°	41.5	41.1	41.1	41.5	41.1	41.1	41.5	41.5	39.3	36.2	31.8
62.5°	33.6	33.6	33.6	33.1	33.1	33.6	33.6	33.1	31.4	28.3	25.2
65°	26.5	26.5	26.5	26.5	26.5	26.9	26.5	26.1	24.3	22.1	19.9
67.5°	20.3	20.3	20.8	20.3	20.8	20.8	20.8	19.9	18.5	16.8	15.5
70°	15.0	15.0	15.0	15.5	15.9	15.9	15.5	14.6	13.7	12.8	11.5
72.5°	10.2	10.6	10.6	10.6	11.0	11.0	10.6	10.2	9.7	8.8	8.4
75°	6.6	6.2	6.6	6.6	7.1	7.1	6.6	6.6	6.2	5.7	5.3
77.5°	3.1	3.1	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.1	3.1
80°	0.9	0.9	0.9	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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°	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
2.5°	101.6	100.2	98.5	93.6	89.2	85.2	83.0	82.6
5°	108.6	106.9	102.5	92.3	83.9	77.3	73.3	72.4
7.5°	116.1	112.6	106.4	90.5	78.6	70.2	65.8	64.5
10°	121.9	117.5	109.1	88.3	73.3	64.5	59.2	57.4
12.5°	125.9	120.6	111.3	85.7	68.9	58.3	53.0	51.2
15°	128.1	122.3	111.7	81.7	63.6	53.4	47.7	46.4
17.5°	129.0	122.3	110.8	78.6	58.7	48.6	43.3	41.5
20°	128.5	120.6	108.6	74.2	54.3	44.2	38.9	37.5
22.5°	126.7	117.9	105.1	69.8	49.9	39.7	35.3	34.4
25°	124.1	114.4	101.1	65.8	45.9	36.7	32.2	31.4
27.5°	119.7	110.0	95.8	61.4	42.4	33.6	29.6	28.3
30°	113.9	104.7	90.5	57.0	38.9	30.5	26.9	26.1
32.5°	107.8	98.5	85.2	52.6	35.8	28.3	24.7	23.8
35°	100.7	91.9	78.6	48.1	32.7	26.1	22.5	22.1
37.5°	93.6	84.8	72.9	44.6	30.0	23.8	20.8	20.3
40°	85.7	78.6	69.8	40.6	27.8	22.1	19.4	18.5
42.5°	80.8	71.1	60.1	37.1	25.6	20.3	17.7	17.2
45°	70.2	63.2	54.3	33.6	23.4	18.5	16.3	15.9
47.5°	63.2	57.0	48.6	30.0	21.6	17.2	15.0	14.6
50°	56.1	50.3	42.4	26.5	19.9	15.9	13.7	13.2
52.5°	49.0	43.3	36.2	23.4	17.7	14.6	12.4	11.9
55°	42.0	36.7	30.0	20.3	15.9	13.2	11.5	10.6
57.5°	34.4	30.0	25.6	18.1	14.1	11.9	10.2	9.3
60°	27.8	25.2	21.6	15.9	12.4	10.6	8.8	8.4
62.5°	22.5	20.3	18.1	13.7	11.0	9.3	7.9	6.6
65°	18.1	16.8	15.0	11.0	9.3	7.9	6.6	5.3
67.5°	14.1	13.2	11.9	9.3	7.5	6.6	4.9	4.0
70°	11.0	10.2	9.3	6.6	5.7	4.9	3.5	2.6
72.5°	7.9	7.1	6.6	4.9	4.0	3.5	2.2	1.3
75°	4.9	4.9	4.0	2.6	2.2	1.8	0.9	0.4
77.5°	2.6	2.6	2.2	1.3	1.3	0.4	0.0	0.0
80°	1.3	0.9	0.9	0.4	0.4	0.0	0.0	0.0
82.5°	0.4	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)