

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: P1316917

Luminaire Tested: P3SQAS05R709830DE010 E3SQCLSWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316917
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R709830DE010 E3SQCLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3SQCLSWW1MW TRIAC
Light Source: -
Ballast/Driver: -

Summary

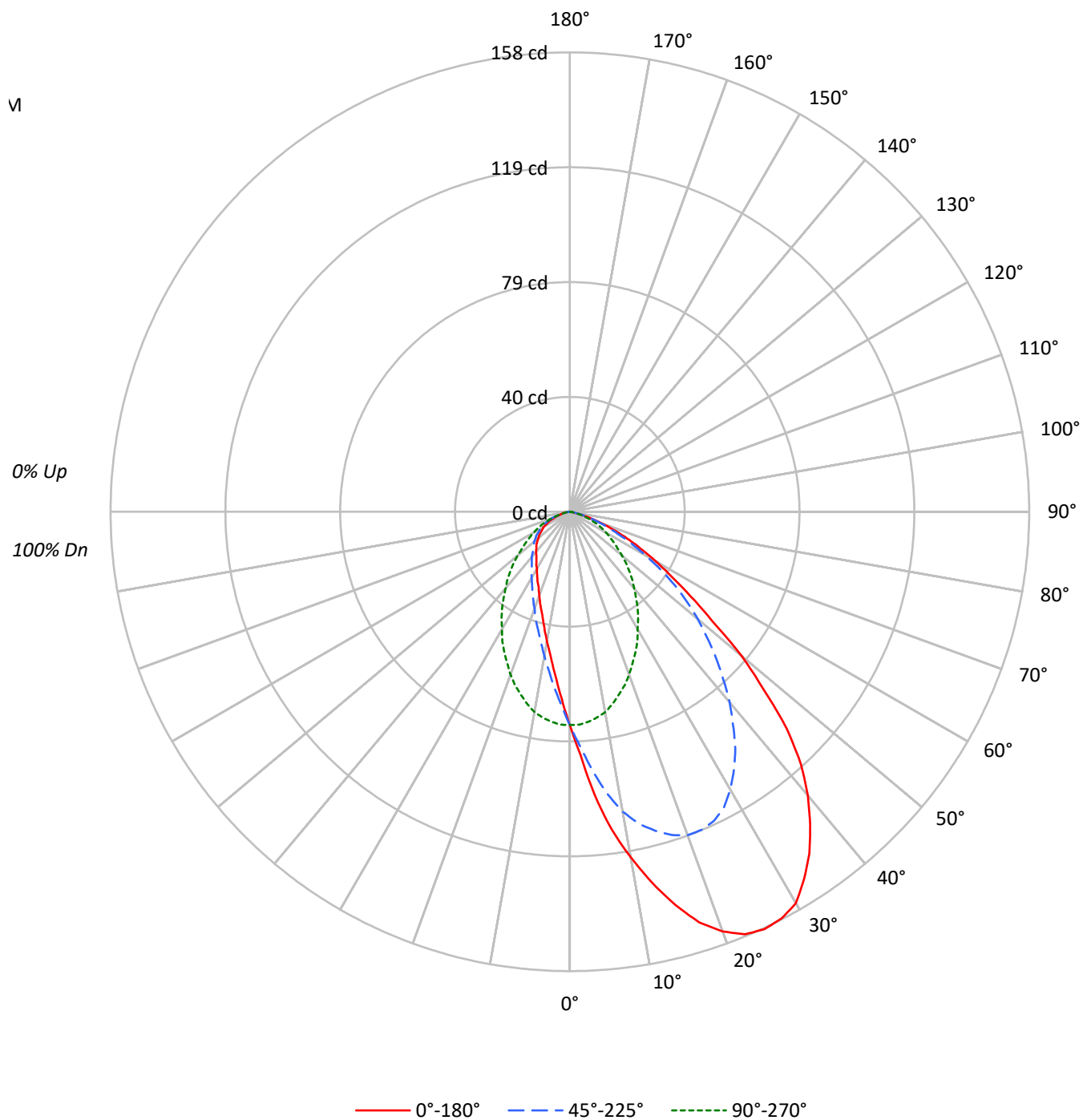
Lumens per Lamp: N/A
Luminaire Lumens: 179.0 lumens
Efficiency: N/A
Efficacy: 24.9 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	90	90	88
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	78	78	76
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	68	68	66
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	60	60	58
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	53	53	51
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	47	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	42	42	40
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	38	38	36
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	35	35	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	32	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	12624	12624	12624	12624	12624
5°	16890	15421	12534	10494	9785
10°	21108	18310	12242	8796	7905
15°	24944	20255	11607	7524	6526
20°	28151	21700	10923	6506	5627
25°	30100	22290	10128	5777	4998
30°	30924	21935	9267	5230	4494
35°	30191	20856	8557	4815	4205
40°	28620	19222	7734	4586	4069
45°	25696	17317	7039	4408	3970
50°	20631	15379	6243	4260	3778
55°	15223	13211	5555	4234	3663
60°	11746	10333	4960	4064	3582
65°	8884	7702	4360	3790	3179
70°	5942	5388	3374	3374	2618
75°	3194	3194	2196	2196	1996
80°	694	1488	1091	1488	1884
85°	0	790	790	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25696 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	4.0
10°-20°	22.0	12.3
20°-30°	33.9	18.9
30°-40°	38.4	21.5
40°-50°	34.8	19.4
50°-60°	24.3	13.6
60°-70°	13.4	7.5
70°-80°	4.5	2.5
80°-90°	0.6	0.3
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°	63.1	35.2
0°-40°	101.5	56.7
0°-60°	160.6	89.7
0°-90°	179.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	179.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	73	73	73	73	73	
5°	98	89	72	61	57	10
15°	140	114	65	42	37	40
25°	158	117	53	30	26	73
35°	144	99	41	23	20	89
45°	106	71	29	18	16	80
55°	51	44	18	14	12	47
65°	22	19	11	9	8	22
75°	5	5	3	3	3	6
85°	0	0	0	1	1	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°	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
2.5°	83.7	84.4	84.8	84.0	83.7	83.3	82.5	82.2	81.4	80.7	80.3
5°	97.7	97.7	97.7	97.0	95.9	95.1	93.6	92.5	90.7	89.2	87.7
7.5°	110.3	110.3	109.9	108.8	108.1	106.2	104.4	102.9	99.9	97.7	94.8
10°	120.7	120.7	120.3	118.4	117.3	115.1	113.3	110.7	107.7	104.7	101.4
12.5°	130.7	130.7	129.2	127.7	125.5	122.5	119.9	117.3	113.3	109.9	105.9
15°	139.9	139.9	139.2	136.6	133.6	130.3	126.6	122.9	118.1	113.6	109.2
17.5°	148.1	147.7	146.6	143.6	140.7	136.6	132.1	127.7	121.8	116.6	111.0
20°	153.6	153.6	152.1	148.8	145.5	141.0	136.2	131.0	124.7	118.4	111.8
22.5°	157.3	156.9	155.5	152.1	148.1	143.6	138.1	132.5	125.5	118.4	111.4
25°	158.4	158.0	156.6	152.9	148.8	144.0	138.1	132.1	124.7	117.3	109.6
27.5°	157.7	157.3	155.8	151.8	147.7	142.1	136.2	129.9	122.5	114.7	107.0
30°	155.5	154.3	152.9	149.2	144.7	139.2	132.9	125.8	118.4	110.3	102.5
32.5°	149.9	149.9	148.1	144.4	139.9	134.0	127.7	121.0	112.9	105.1	97.0
35°	143.6	143.2	141.8	137.7	133.6	128.1	121.8	114.7	107.0	99.2	91.4
37.5°	135.8	135.5	134.0	130.3	125.8	120.7	114.0	107.3	99.9	92.2	85.1
40°	127.3	126.6	124.7	121.8	118.1	112.2	106.2	99.6	92.5	85.5	78.5
42.5°	117.7	117.0	115.5	113.3	108.8	103.6	98.1	91.8	85.1	78.1	72.9
45°	105.5	105.5	104.7	102.5	99.2	95.1	89.2	83.7	77.4	71.1	65.5
47.5°	90.3	91.1	90.7	89.6	88.1	84.4	80.3	75.5	69.6	64.0	58.9
50°	77.0	77.4	77.7	77.0	75.9	73.3	70.7	67.7	62.6	57.4	52.6
52.5°	61.8	62.9	62.9	63.3	63.3	62.6	61.8	58.5	55.9	50.7	46.3
55°	50.7	50.7	50.7	51.4	51.8	52.2	51.4	50.7	47.7	44.0	40.0
57.5°	41.5	41.5	42.2	41.8	41.8	42.6	42.6	42.2	40.3	37.0	33.3
60°	34.1	34.1	34.1	34.1	34.4	34.4	34.4	34.4	32.9	30.0	27.0
62.5°	27.4	27.4	27.4	27.8	27.8	27.8	28.1	27.8	26.3	24.1	21.5
65°	21.8	21.5	21.8	21.8	22.2	22.2	22.2	21.8	20.4	18.9	17.0
67.5°	16.3	16.7	16.7	16.7	17.0	17.4	17.0	16.7	15.5	14.1	13.3
70°	11.8	12.2	12.2	12.2	12.6	13.0	12.6	12.2	11.5	10.7	10.0
72.5°	7.8	8.1	8.1	8.5	8.9	8.9	8.5	8.5	8.1	7.4	7.0
75°	4.8	4.8	5.2	5.2	5.6	5.6	5.6	5.2	5.2	4.8	4.8
77.5°	2.2	2.2	2.6	2.6	2.6	3.0	3.0	3.0	3.0	3.0	2.6
80°	0.7	0.7	0.7	0.7	0.7	1.1	1.1	1.1	1.5	1.5	1.5
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
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°	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
2.5°	79.6	78.5	77.0	73.3	69.6	66.6	64.8	64.4
5°	85.9	84.0	80.7	72.5	65.9	60.7	57.7	56.6
7.5°	92.2	88.8	84.0	71.4	61.4	55.2	51.8	50.3
10°	97.3	93.3	87.0	70.0	57.7	50.3	46.3	45.2
12.5°	101.4	96.6	88.8	67.7	54.0	45.9	41.8	40.7
15°	104.0	98.8	89.9	65.1	50.3	42.2	38.1	36.6
17.5°	105.1	98.8	89.6	62.6	47.0	38.9	34.8	33.7
20°	105.1	98.1	88.5	59.6	43.7	35.5	31.8	30.7
22.5°	104.0	96.6	85.9	56.3	40.7	32.9	29.2	28.1
25°	101.8	93.6	82.9	53.3	37.8	30.4	27.0	26.3
27.5°	98.5	90.3	79.2	50.3	35.2	28.1	25.2	24.4
30°	94.4	86.2	75.1	46.6	32.6	26.3	23.7	22.6
32.5°	89.2	81.4	70.7	43.7	30.4	24.4	22.2	21.5
35°	83.7	76.6	65.9	40.7	28.1	22.9	20.7	20.0
37.5°	78.1	70.7	61.8	37.4	26.3	21.5	19.6	18.9
40°	72.2	66.6	57.4	34.4	24.8	20.4	18.5	18.1
42.5°	66.3	60.3	51.1	31.8	22.9	18.9	17.4	17.0
45°	59.2	53.7	46.3	28.9	21.5	18.1	16.7	16.3
47.5°	53.3	48.1	41.5	26.3	20.0	17.0	15.5	15.2
50°	47.7	42.6	36.3	23.3	18.5	15.9	14.8	14.1
52.5°	41.5	37.0	31.5	20.7	17.0	14.8	13.7	13.3
55°	35.9	31.5	26.3	18.5	15.5	14.1	12.6	12.2
57.5°	29.6	25.9	22.2	16.3	14.1	12.6	11.8	11.1
60°	24.1	21.5	18.9	14.4	12.6	11.8	10.7	10.4
62.5°	19.6	17.8	15.9	12.6	11.1	10.4	9.6	8.9
65°	15.5	14.4	13.0	10.7	9.6	9.3	8.5	7.8
67.5°	12.2	11.5	10.4	8.5	8.1	7.8	7.0	6.3
70°	9.3	8.9	8.1	6.7	6.3	6.7	5.9	5.2
72.5°	6.7	6.3	5.9	4.8	4.8	4.8	4.4	3.7
75°	4.4	4.1	3.7	3.3	3.3	3.3	3.3	3.0
77.5°	2.6	2.6	2.2	1.9	2.2	2.2	2.6	2.6
80°	1.1	1.1	1.1	1.1	1.5	1.5	1.9	1.9
82.5°	0.7	0.7	0.7	0.7	1.1	1.1	1.1	1.1
85°	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)