

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: P1316187

Luminaire Tested: P3SQAS09R709827DE010 E3SQCLSWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316187
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: P3SQAS09R709827DE010 E3SQCLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3SQCLSWW1MW TRIAC
Light Source: -
Ballast/Driver: -

Summary

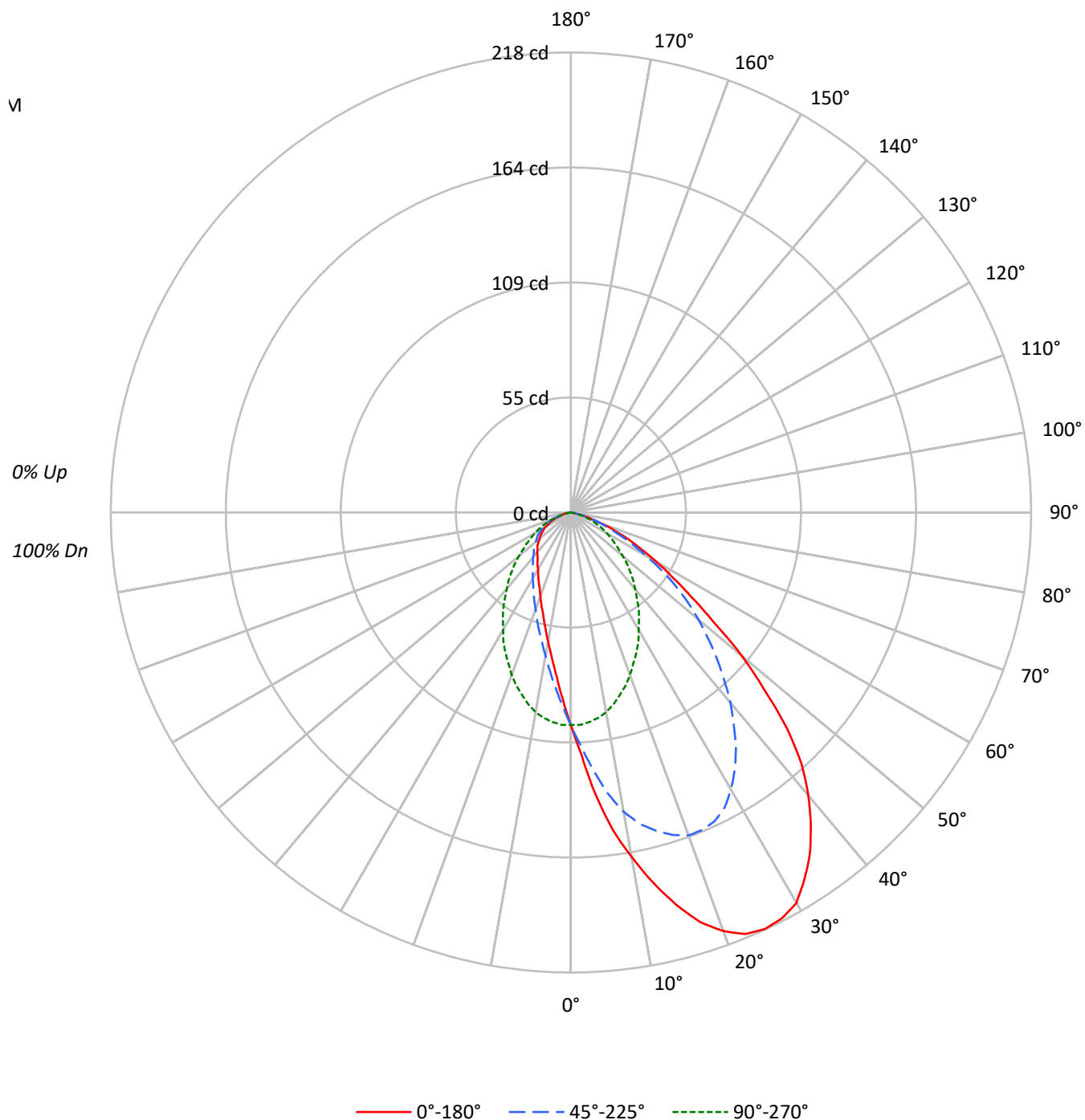
Lumens per Lamp: N/A
Luminaire Lumens: 246.0 lumens
Efficiency: N/A
Efficacy: 22.4 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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			0
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	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88		
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76		
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	66		
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	58		
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51		
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45		
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40		
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36		
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	33		
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	17343	17343	17343	17343	17343
5°	23218	21195	17236	14418	13450
10°	28995	25183	16806	12102	10860
15°	34287	27850	15958	10341	8986
20°	38689	29837	15010	8944	7734
25°	41369	30651	13929	7924	6860
30°	42478	30148	12747	7179	6165
35°	41502	28656	11774	6623	5782
40°	39344	26416	10634	6295	5598
45°	35316	23796	9669	6065	5456
50°	28347	21113	8574	5868	5171
55°	20928	18166	7627	5795	5044
60°	16120	14191	6820	5614	4891
65°	12225	10555	6031	5175	4360
70°	8208	7452	4633	4633	3575
75°	4392	4392	3061	3061	2728
80°	992	1984	1488	1984	2479
85°	0	988	988	1976	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 35316 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.9	4.0
10°-20°	30.2	12.3
20°-30°	46.5	18.9
30°-40°	52.8	21.5
40°-50°	47.8	19.4
50°-60°	33.4	13.6
60°-70°	18.4	7.5
70°-80°	6.1	2.5
80°-90°	0.8	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°	86.7	35.2
0°-40°	139.5	56.7
0°-60°	220.7	89.7
0°-90°	246.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	246.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	101	101	101	101	101	
5°	134	123	100	83	78	14
15°	192	156	90	58	50	55
25°	218	161	73	42	36	100
35°	197	136	56	32	28	123
45°	145	98	40	25	22	110
55°	70	60	25	19	17	64
65°	30	26	15	13	11	30
75°	7	7	5	5	4	8
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°	100.7	100.7	100.7	100.7	100.7	100.7	100.7	100.7	100.7	100.7	100.7
2.5°	115.0	116.0	116.5	115.5	115.0	114.5	113.4	112.9	111.9	110.9	110.4
5°	134.3	134.3	134.3	133.3	131.7	130.7	128.7	127.2	124.6	122.6	120.6
7.5°	151.6	151.6	151.1	149.6	148.5	146.0	143.4	141.4	137.3	134.3	130.2
10°	165.8	165.8	165.3	162.8	161.3	158.2	155.7	152.1	148.0	144.0	139.4
12.5°	179.6	179.6	177.5	175.5	172.4	168.4	164.8	161.3	155.7	151.1	145.5
15°	192.3	192.3	191.3	187.7	183.6	179.1	174.0	168.9	162.3	156.2	150.1
17.5°	203.5	203.0	201.4	197.4	193.3	187.7	181.6	175.5	167.4	160.2	152.6
20°	211.1	211.1	209.1	204.5	199.9	193.8	187.2	180.1	171.4	162.8	153.6
22.5°	216.2	215.7	213.6	209.1	203.5	197.4	189.7	182.1	172.4	162.8	153.1
25°	217.7	217.2	215.2	210.1	204.5	197.9	189.7	181.6	171.4	161.3	150.6
27.5°	216.7	216.2	214.2	208.6	203.0	195.3	187.2	178.5	168.4	157.7	147.0
30°	213.6	212.1	210.1	205.0	198.9	191.3	182.6	173.0	162.8	151.6	140.9
32.5°	206.0	206.0	203.5	198.4	192.3	184.1	175.5	166.3	155.1	144.5	133.3
35°	197.4	196.9	194.8	189.2	183.6	176.0	167.4	157.7	147.0	136.3	125.6
37.5°	186.7	186.2	184.1	179.1	173.0	165.8	156.7	147.5	137.3	126.7	117.0
40°	175.0	174.0	171.4	167.4	162.3	154.1	146.0	136.8	127.2	117.5	107.8
42.5°	161.8	160.7	158.7	155.7	149.6	142.4	134.8	126.2	117.0	107.3	100.2
45°	145.0	145.0	144.0	140.9	136.3	130.7	122.6	115.0	106.3	97.7	90.0
47.5°	124.1	125.1	124.6	123.1	121.1	116.0	110.4	103.8	95.6	88.0	80.9
50°	105.8	106.3	106.8	105.8	104.3	100.7	97.2	93.1	86.0	78.8	72.2
52.5°	85.0	86.5	86.5	87.0	87.0	86.0	85.0	80.4	76.8	69.7	63.6
55°	69.7	69.7	69.7	70.7	71.2	71.7	70.7	69.7	65.6	60.5	54.9
57.5°	57.0	57.0	58.0	57.5	57.5	58.5	58.5	58.0	55.4	50.9	45.8
60°	46.8	46.8	46.8	46.8	47.3	47.3	47.3	47.3	45.3	41.2	37.1
62.5°	37.6	37.6	37.6	38.2	38.2	38.2	38.7	38.2	36.1	33.1	29.5
65°	30.0	29.5	30.0	30.0	30.5	30.5	30.5	30.0	28.0	25.9	23.4
67.5°	22.4	22.9	22.9	22.9	23.4	23.9	23.4	22.9	21.4	19.3	18.3
70°	16.3	16.8	16.8	16.8	17.3	17.8	17.3	16.8	15.8	14.8	13.7
72.5°	10.7	11.2	11.2	11.7	12.2	12.2	11.7	11.7	11.2	10.2	9.7
75°	6.6	6.6	7.1	7.1	7.6	7.6	7.6	7.1	7.1	6.6	6.6
77.5°	3.1	3.1	3.6	3.6	3.6	4.1	4.1	4.1	4.1	4.1	3.6
80°	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	2.0	2.0	2.0
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
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°	100.7	100.7	100.7	100.7	100.7	100.7	100.7	100.7
2.5°	109.4	107.8	105.8	100.7	95.6	91.6	89.0	88.5
5°	118.0	115.5	110.9	99.7	90.5	83.4	79.4	77.8
7.5°	126.7	122.1	115.5	98.2	84.4	75.8	71.2	69.2
10°	133.8	128.2	119.5	96.1	79.4	69.2	63.6	62.1
12.5°	139.4	132.8	122.1	93.1	74.3	63.1	57.5	56.0
15°	142.9	135.8	123.6	89.5	69.2	58.0	52.4	50.4
17.5°	144.5	135.8	123.1	86.0	64.6	53.4	47.8	46.3
20°	144.5	134.8	121.6	81.9	60.0	48.8	43.7	42.2
22.5°	142.9	132.8	118.0	77.3	56.0	45.3	40.2	38.7
25°	139.9	128.7	113.9	73.3	51.9	41.7	37.1	36.1
27.5°	135.3	124.1	108.9	69.2	48.3	38.7	34.6	33.6
30°	129.7	118.5	103.3	64.1	44.8	36.1	32.6	31.0
32.5°	122.6	111.9	97.2	60.0	41.7	33.6	30.5	29.5
35°	115.0	105.3	90.5	56.0	38.7	31.5	28.5	27.5
37.5°	107.3	97.2	85.0	51.4	36.1	29.5	27.0	25.9
40°	99.2	91.6	78.8	47.3	34.1	28.0	25.4	24.9
42.5°	91.1	82.9	70.2	43.7	31.5	25.9	23.9	23.4
45°	81.4	73.8	63.6	39.7	29.5	24.9	22.9	22.4
47.5°	73.3	66.1	57.0	36.1	27.5	23.4	21.4	20.9
50°	65.6	58.5	49.9	32.0	25.4	21.9	20.3	19.3
52.5°	57.0	50.9	43.2	28.5	23.4	20.3	18.8	18.3
55°	49.3	43.2	36.1	25.4	21.4	19.3	17.3	16.8
57.5°	40.7	35.6	30.5	22.4	19.3	17.3	16.3	15.3
60°	33.1	29.5	25.9	19.8	17.3	16.3	14.8	14.2
62.5°	27.0	24.4	21.9	17.3	15.3	14.2	13.2	12.2
65°	21.4	19.8	17.8	14.8	13.2	12.7	11.7	10.7
67.5°	16.8	15.8	14.2	11.7	11.2	10.7	9.7	8.6
70°	12.7	12.2	11.2	9.2	8.6	9.2	8.1	7.1
72.5°	9.2	8.6	8.1	6.6	6.6	6.6	6.1	5.1
75°	6.1	5.6	5.1	4.6	4.6	4.6	4.6	4.1
77.5°	3.6	3.6	3.1	2.5	3.1	3.1	3.6	3.6
80°	1.5	1.5	1.5	1.5	2.0	2.0	2.5	2.5
82.5°	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5
85°	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)