

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: P1312530

Luminaire Tested: P3SQAS13R709727DE010 E3SQCLSWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312530
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: P3SQAS13R709727DE010 E3SQCLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3SQCLSWW1MW TRIAC
Light Source: -
Ballast/Driver: -

Summary

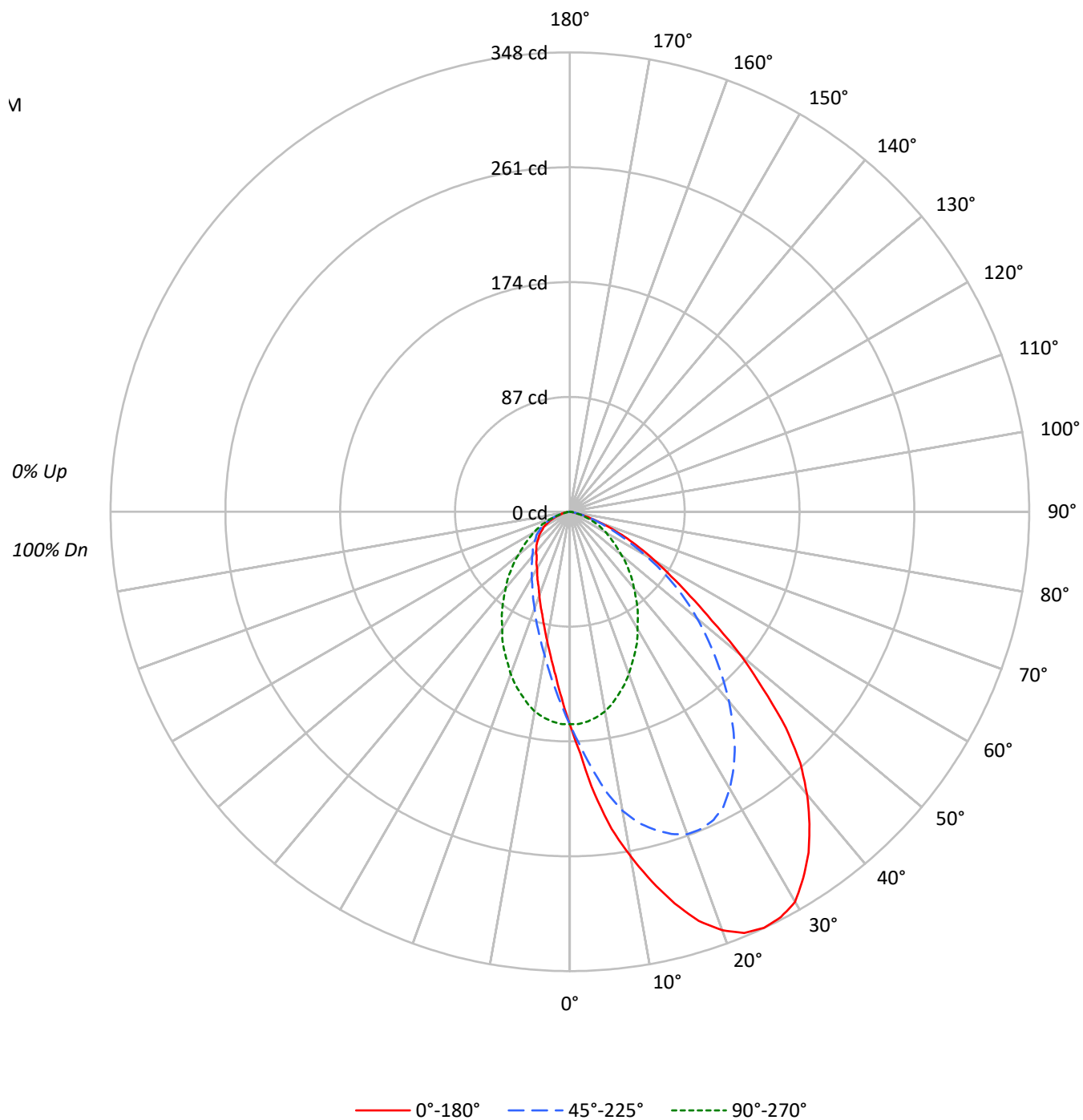
Lumens per Lamp: N/A
Luminaire Lumens: 393.0 lumens
Efficiency: N/A
Efficacy: 26.9 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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

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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°	27711	27711	27711	27711	27711
5°	37083	33850	27540	23045	21489
10°	46326	40222	26861	19324	17331
15°	54773	44485	25497	16510	14353
20°	61819	47652	23972	14295	12371
25°	66091	48951	22233	12656	10965
30°	67873	48165	20364	11475	9864
35°	66290	45791	18796	10596	9230
40°	62860	42199	16996	10049	8948
45°	56408	37995	15442	9694	8719
50°	45280	33759	13718	9351	8279
55°	33419	29035	12191	9278	8047
60°	25765	22664	10919	8956	7853
65°	19520	16871	9617	8273	6968
70°	13092	11884	7352	7352	5740
75°	7053	7053	4858	4858	4325
80°	1587	3273	2380	3273	4066
85°	0	1581	1581	3162	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 56408 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.9	4.0
10°-20°	48.2	12.3
20°-30°	74.3	18.9
30°-40°	84.4	21.5
40°-50°	76.3	19.4
50°-60°	53.4	13.6
60°-70°	29.3	7.5
70°-80°	9.8	2.5
80°-90°	1.3	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°	138.5	35.2
0°-40°	222.8	56.7
0°-60°	352.5	89.7
0°-90°	393.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	393.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	161	161	161	161	161	
5°	214	196	159	133	124	22
15°	307	250	143	93	80	88
25°	348	258	117	67	58	160
35°	315	218	89	50	44	196
45°	232	156	63	40	36	175
55°	111	97	41	31	27	102
65°	48	41	24	20	17	48
75°	11	11	7	7	6	12
85°	0	1	1	2	2	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°	160.9	160.9	160.9	160.9	160.9	160.9	160.9	160.9	160.9	160.9	160.9
2.5°	183.7	185.3	186.1	184.5	183.7	182.8	181.2	180.4	178.8	177.2	176.3
5°	214.5	214.5	214.5	212.9	210.5	208.9	205.6	203.2	199.1	195.8	192.6
7.5°	242.2	242.2	241.4	238.9	237.3	233.2	229.2	225.9	219.4	214.5	208.0
10°	264.9	264.9	264.1	260.0	257.6	252.7	248.7	243.0	236.5	230.0	222.7
12.5°	286.9	286.9	283.6	280.4	275.5	269.0	263.3	257.6	248.7	241.4	232.4
15°	307.2	307.2	305.6	299.9	293.4	286.1	277.9	269.8	259.2	249.5	239.7
17.5°	325.1	324.2	321.8	315.3	308.8	299.9	290.1	280.4	267.4	256.0	243.8
20°	337.3	337.3	334.0	326.7	319.4	309.6	299.1	287.7	273.9	260.0	245.4
22.5°	345.4	344.6	341.3	334.0	325.1	315.3	303.1	290.9	275.5	260.0	244.6
25°	347.8	347.0	343.8	335.6	326.7	316.1	303.1	290.1	273.9	257.6	240.5
27.5°	346.2	345.4	342.1	333.2	324.2	312.1	299.1	285.2	269.0	251.9	234.9
30°	341.3	338.9	335.6	327.5	317.7	305.6	291.7	276.3	260.0	242.2	225.1
32.5°	329.1	329.1	325.1	316.9	307.2	294.2	280.4	265.7	247.9	230.8	212.9
35°	315.3	314.5	311.2	302.3	293.4	281.2	267.4	251.9	234.9	217.8	200.7
37.5°	298.2	297.4	294.2	286.1	276.3	264.9	250.3	235.7	219.4	202.4	186.9
40°	279.6	277.9	273.9	267.4	259.2	246.2	233.2	218.6	203.2	187.7	172.3
42.5°	258.4	256.8	253.5	248.7	238.9	227.5	215.4	201.5	186.9	171.5	160.1
45°	231.6	231.6	230.0	225.1	217.8	208.9	195.8	183.7	169.8	156.0	143.8
47.5°	198.3	199.9	199.1	196.7	193.4	185.3	176.3	165.8	152.8	140.6	129.2
50°	169.0	169.8	170.7	169.0	166.6	160.9	155.2	148.7	137.3	126.0	115.4
52.5°	135.7	138.2	138.2	139.0	139.0	137.3	135.7	128.4	122.7	111.3	101.6
55°	111.3	111.3	111.3	113.0	113.8	114.6	113.0	111.3	104.8	96.7	87.8
57.5°	91.0	91.0	92.6	91.8	91.8	93.5	93.5	92.6	88.6	81.3	73.1
60°	74.8	74.8	74.8	74.8	75.6	75.6	75.6	75.6	72.3	65.8	59.3
62.5°	60.1	60.1	60.1	60.9	60.9	60.9	61.8	60.9	57.7	52.8	47.1
65°	47.9	47.1	47.9	47.9	48.8	48.8	48.8	47.9	44.7	41.4	37.4
67.5°	35.8	36.6	36.6	36.6	37.4	38.2	37.4	36.6	34.1	30.9	29.3
70°	26.0	26.8	26.8	26.8	27.6	28.4	27.6	26.8	25.2	23.6	21.9
72.5°	17.1	17.9	17.9	18.7	19.5	19.5	18.7	18.7	17.9	16.3	15.4
75°	10.6	10.6	11.4	11.4	12.2	12.2	12.2	11.4	11.4	10.6	10.6
77.5°	4.9	4.9	5.7	5.7	5.7	6.5	6.5	6.5	6.5	6.5	5.7
80°	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4	3.3	3.3	3.3
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
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°	160.9	160.9	160.9	160.9	160.9	160.9	160.9	160.9
2.5°	174.7	172.3	169.0	160.9	152.8	146.3	142.2	141.4
5°	188.5	184.5	177.2	159.3	144.7	133.3	126.8	124.3
7.5°	202.4	195.0	184.5	156.8	134.9	121.1	113.8	110.5
10°	213.7	204.8	191.0	153.6	126.8	110.5	101.6	99.1
12.5°	222.7	212.1	195.0	148.7	118.6	100.8	91.8	89.4
15°	228.4	217.0	197.5	143.0	110.5	92.6	83.7	80.5
17.5°	230.8	217.0	196.7	137.3	103.2	85.3	76.4	74.0
20°	230.8	215.4	194.2	130.8	95.9	78.0	69.9	67.5
22.5°	228.4	212.1	188.5	123.5	89.4	72.3	64.2	61.8
25°	223.5	205.6	182.0	117.0	82.9	66.6	59.3	57.7
27.5°	216.2	198.3	173.9	110.5	77.2	61.8	55.3	53.6
30°	207.2	189.3	165.0	102.4	71.5	57.7	52.0	49.6
32.5°	195.8	178.8	155.2	95.9	66.6	53.6	48.8	47.1
35°	183.7	168.2	144.7	89.4	61.8	50.4	45.5	43.9
37.5°	171.5	155.2	135.7	82.1	57.7	47.1	43.1	41.4
40°	158.5	146.3	126.0	75.6	54.4	44.7	40.6	39.8
42.5°	145.5	132.5	112.1	69.9	50.4	41.4	38.2	37.4
45°	130.0	117.8	101.6	63.4	47.1	39.8	36.6	35.8
47.5°	117.0	105.6	91.0	57.7	43.9	37.4	34.1	33.3
50°	104.8	93.5	79.6	51.2	40.6	34.9	32.5	30.9
52.5°	91.0	81.3	69.1	45.5	37.4	32.5	30.1	29.3
55°	78.8	69.1	57.7	40.6	34.1	30.9	27.6	26.8
57.5°	65.0	56.9	48.8	35.8	30.9	27.6	26.0	24.4
60°	52.8	47.1	41.4	31.7	27.6	26.0	23.6	22.8
62.5°	43.1	39.0	34.9	27.6	24.4	22.8	21.1	19.5
65°	34.1	31.7	28.4	23.6	21.1	20.3	18.7	17.1
67.5°	26.8	25.2	22.8	18.7	17.9	17.1	15.4	13.8
70°	20.3	19.5	17.9	14.6	13.8	14.6	13.0	11.4
72.5°	14.6	13.8	13.0	10.6	10.6	10.6	9.8	8.1
75°	9.8	8.9	8.1	7.3	7.3	7.3	7.3	6.5
77.5°	5.7	5.7	4.9	4.1	4.9	4.9	5.7	5.7
80°	2.4	2.4	2.4	2.4	3.3	3.3	4.1	4.1
82.5°	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4
85°	0.8	0.8	0.8	0.8	0.8	1.6	1.6	1.6
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)