

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: P1306009

Luminaire Tested: P3SQASS13R709024DE010 E3SQCLSWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306009
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: P3SQASS13R709024DE010 E3SQCLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3SQCLSWW1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

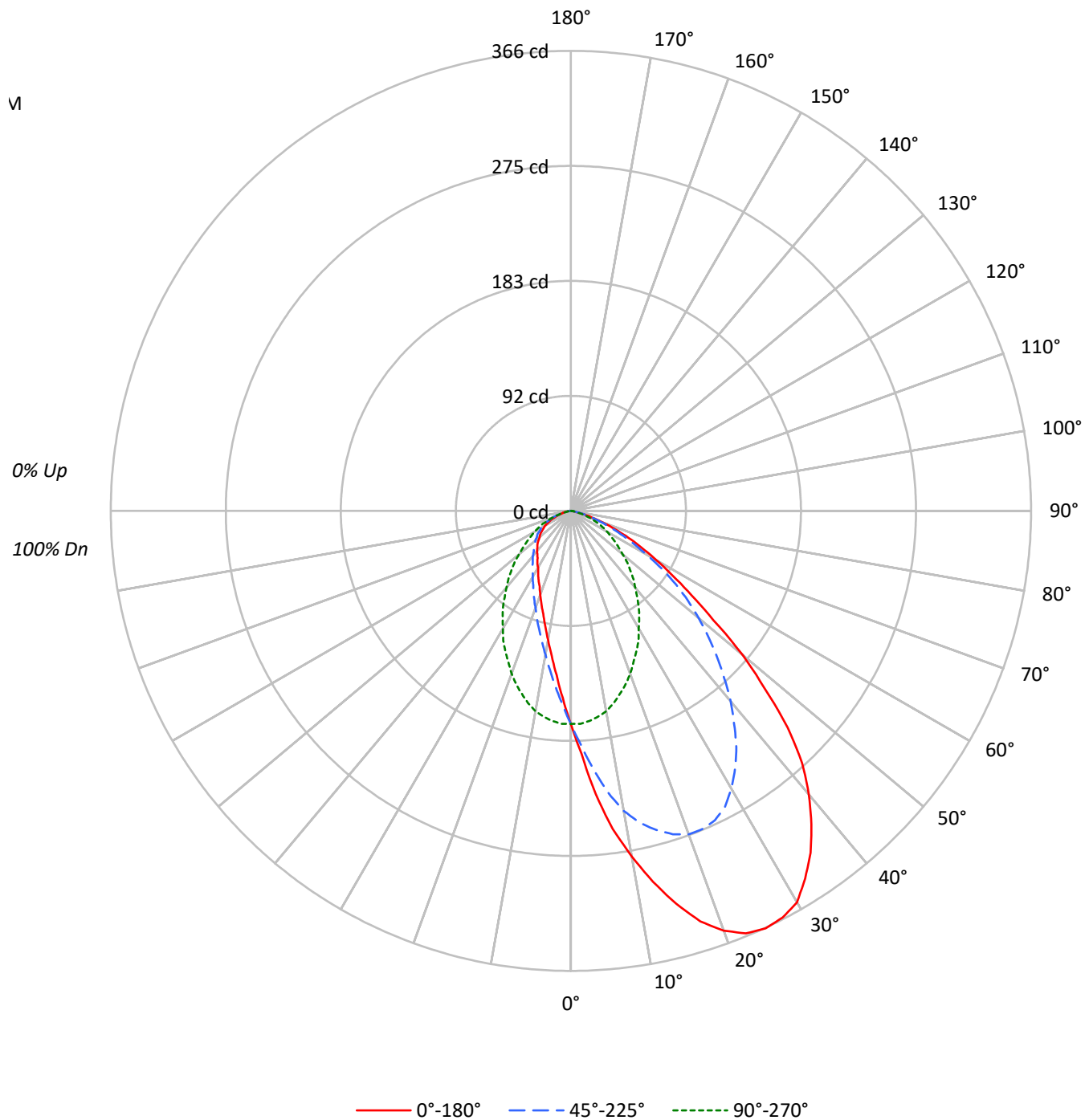
Lumens per Lamp: N/A
Luminaire Lumens: 414.0 lumens
Efficiency: N/A
Efficacy: 28.4 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	29192	29192	29192	29192	29192
5°	39071	35665	29009	24272	22647
10°	48809	42373	28295	20356	18257
15°	57697	46857	26870	17402	15120
20°	65118	50199	25255	15065	13031
25°	69626	51573	23430	13340	11554
30°	71512	50731	21458	12091	10381
35°	69843	48230	19805	11164	9713
40°	66210	44470	17896	10589	9420
45°	59429	40041	16270	10205	9182
50°	47718	35554	14441	9860	8708
55°	35221	30597	12851	9758	8497
60°	27142	23870	11504	9438	8267
65°	20579	17808	10106	8721	7335
70°	13797	12488	7755	7755	6043
75°	7386	7386	5124	5124	4525
80°	1686	3372	2579	3372	4265
85°	0	1778	1778	3359	3359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 59429 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.7	4.0
10°-20°	50.8	12.3
20°-30°	78.3	18.9
30°-40°	88.9	21.5
40°-50°	80.4	19.4
50°-60°	56.2	13.6
60°-70°	30.9	7.5
70°-80°	10.3	2.5
80°-90°	1.4	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°	145.9	35.2
0°-40°	234.7	56.7
0°-60°	371.4	89.7
0°-90°	414.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	414.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	170	170	170	170	170	
5°	226	206	168	140	131	23
15°	324	263	151	98	85	92
25°	366	271	123	70	61	168
35°	332	229	94	53	46	207
45°	244	164	67	42	38	185
55°	117	102	43	32	28	108
65°	50	44	25	21	18	50
75°	11	11	8	8	7	13
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°	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5
2.5°	193.5	195.2	196.0	194.3	193.5	192.6	190.9	190.0	188.3	186.6	185.8
5°	226.0	226.0	226.0	224.3	221.7	220.0	216.6	214.0	209.7	206.3	202.9
7.5°	255.1	255.1	254.3	251.7	250.0	245.7	241.4	238.0	231.1	226.0	219.2
10°	279.1	279.1	278.2	273.9	271.4	266.2	262.0	256.0	249.1	242.3	234.6
12.5°	302.2	302.2	298.8	295.3	290.2	283.4	277.4	271.4	262.0	254.3	244.8
15°	323.6	323.6	321.9	315.9	309.0	301.3	292.8	284.2	273.1	262.8	252.5
17.5°	342.4	341.6	339.0	332.2	325.3	315.9	305.6	295.3	281.6	269.7	256.8
20°	355.3	355.3	351.8	344.1	336.4	326.2	315.0	303.1	288.5	273.9	258.5
22.5°	363.8	363.0	359.6	351.8	342.4	332.2	319.3	306.5	290.2	273.9	257.7
25°	366.4	365.5	362.1	353.6	344.1	333.0	319.3	305.6	288.5	271.4	253.4
27.5°	364.7	363.8	360.4	351.0	341.6	328.7	315.0	300.5	283.4	265.4	247.4
30°	359.6	357.0	353.6	345.0	334.7	321.9	307.3	291.1	273.9	255.1	237.1
32.5°	346.7	346.7	342.4	333.9	323.6	309.9	295.3	279.9	261.1	243.1	224.3
35°	332.2	331.3	327.9	318.5	309.0	296.2	281.6	265.4	247.4	229.4	211.5
37.5°	314.2	313.3	309.9	301.3	291.1	279.1	263.7	248.3	231.1	213.2	196.9
40°	294.5	292.8	288.5	281.6	273.1	259.4	245.7	230.3	214.0	197.8	181.5
42.5°	272.2	270.5	267.1	262.0	251.7	239.7	226.9	212.3	196.9	180.6	168.6
45°	244.0	244.0	242.3	237.1	229.4	220.0	206.3	193.5	178.9	164.4	151.5
47.5°	208.9	210.6	209.7	207.2	203.7	195.2	185.8	174.6	160.9	148.1	136.1
50°	178.1	178.9	179.8	178.1	175.5	169.5	163.5	156.7	144.7	132.7	121.6
52.5°	143.0	145.5	145.5	146.4	146.4	144.7	143.0	135.3	129.3	117.3	107.0
55°	117.3	117.3	117.3	119.0	119.9	120.7	119.0	117.3	110.4	101.9	92.5
57.5°	95.9	95.9	97.6	96.7	96.7	98.4	98.4	97.6	93.3	85.6	77.0
60°	78.8	78.8	78.8	78.8	79.6	79.6	79.6	79.6	76.2	69.3	62.5
62.5°	63.3	63.3	63.3	64.2	64.2	64.2	65.1	64.2	60.8	55.6	49.7
65°	50.5	49.7	50.5	50.5	51.4	51.4	51.4	50.5	47.1	43.7	39.4
67.5°	37.7	38.5	38.5	38.5	39.4	40.2	39.4	38.5	36.0	32.5	30.8
70°	27.4	28.3	28.3	28.3	29.1	30.0	29.1	28.3	26.5	24.8	23.1
72.5°	18.0	18.8	18.8	19.7	20.5	20.5	19.7	19.7	18.8	17.1	16.3
75°	11.1	11.1	12.0	12.0	12.8	12.8	12.8	12.0	12.0	11.1	11.1
77.5°	5.1	5.1	6.0	6.0	6.0	6.8	6.8	6.8	6.8	6.8	6.0
80°	1.7	1.7	1.7	1.7	1.7	2.6	2.6	2.6	3.4	3.4	3.4
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7	1.7	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
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°	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5
2.5°	184.1	181.5	178.1	169.5	160.9	154.1	149.8	149.0
5°	198.6	194.3	186.6	167.8	152.4	140.4	133.5	131.0
7.5°	213.2	205.5	194.3	165.2	142.1	127.6	119.9	116.4
10°	225.1	215.7	201.2	161.8	133.5	116.4	107.0	104.4
12.5°	234.6	223.4	205.5	156.7	125.0	106.2	96.7	94.2
15°	240.6	228.6	208.0	150.7	116.4	97.6	88.2	84.8
17.5°	243.1	228.6	207.2	144.7	108.7	89.9	80.5	77.9
20°	243.1	226.9	204.6	137.8	101.0	82.2	73.6	71.1
22.5°	240.6	223.4	198.6	130.1	94.2	76.2	67.6	65.1
25°	235.4	216.6	191.8	123.3	87.3	70.2	62.5	60.8
27.5°	227.7	208.9	183.2	116.4	81.3	65.1	58.2	56.5
30°	218.3	199.5	173.8	107.9	75.3	60.8	54.8	52.2
32.5°	206.3	188.3	163.5	101.0	70.2	56.5	51.4	49.7
35°	193.5	177.2	152.4	94.2	65.1	53.1	47.9	46.2
37.5°	180.6	163.5	143.0	86.5	60.8	49.7	45.4	43.7
40°	166.9	154.1	132.7	79.6	57.4	47.1	42.8	41.9
42.5°	153.2	139.5	118.1	73.6	53.1	43.7	40.2	39.4
45°	137.0	124.1	107.0	66.8	49.7	41.9	38.5	37.7
47.5°	123.3	111.3	95.9	60.8	46.2	39.4	36.0	35.1
50°	110.4	98.4	83.9	53.9	42.8	36.8	34.2	32.5
52.5°	95.9	85.6	72.8	47.9	39.4	34.2	31.7	30.8
55°	83.0	72.8	60.8	42.8	36.0	32.5	29.1	28.3
57.5°	68.5	59.9	51.4	37.7	32.5	29.1	27.4	25.7
60°	55.6	49.7	43.7	33.4	29.1	27.4	24.8	24.0
62.5°	45.4	41.1	36.8	29.1	25.7	24.0	22.3	20.5
65°	36.0	33.4	30.0	24.8	22.3	21.4	19.7	18.0
67.5°	28.3	26.5	24.0	19.7	18.8	18.0	16.3	14.6
70°	21.4	20.5	18.8	15.4	14.6	15.4	13.7	12.0
72.5°	15.4	14.6	13.7	11.1	11.1	11.1	10.3	8.6
75°	10.3	9.4	8.6	7.7	7.7	7.7	7.7	6.8
77.5°	6.0	6.0	5.1	4.3	5.1	5.1	6.0	6.0
80°	2.6	2.6	2.6	2.6	3.4	3.4	4.3	4.3
82.5°	1.7	1.7	1.7	1.7	2.6	2.6	2.6	2.6
85°	0.9	0.9	0.9	0.9	0.9	1.7	1.7	1.7
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)