

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: P1313502

Luminaire Tested: P3SQAS13R709730DE010 E3SQCLSWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313502
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: P3SQAS13R709730DE010 E3SQCLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3SQCLSWW1MW TRIAC
Light Source: -
Ballast/Driver: -

Summary

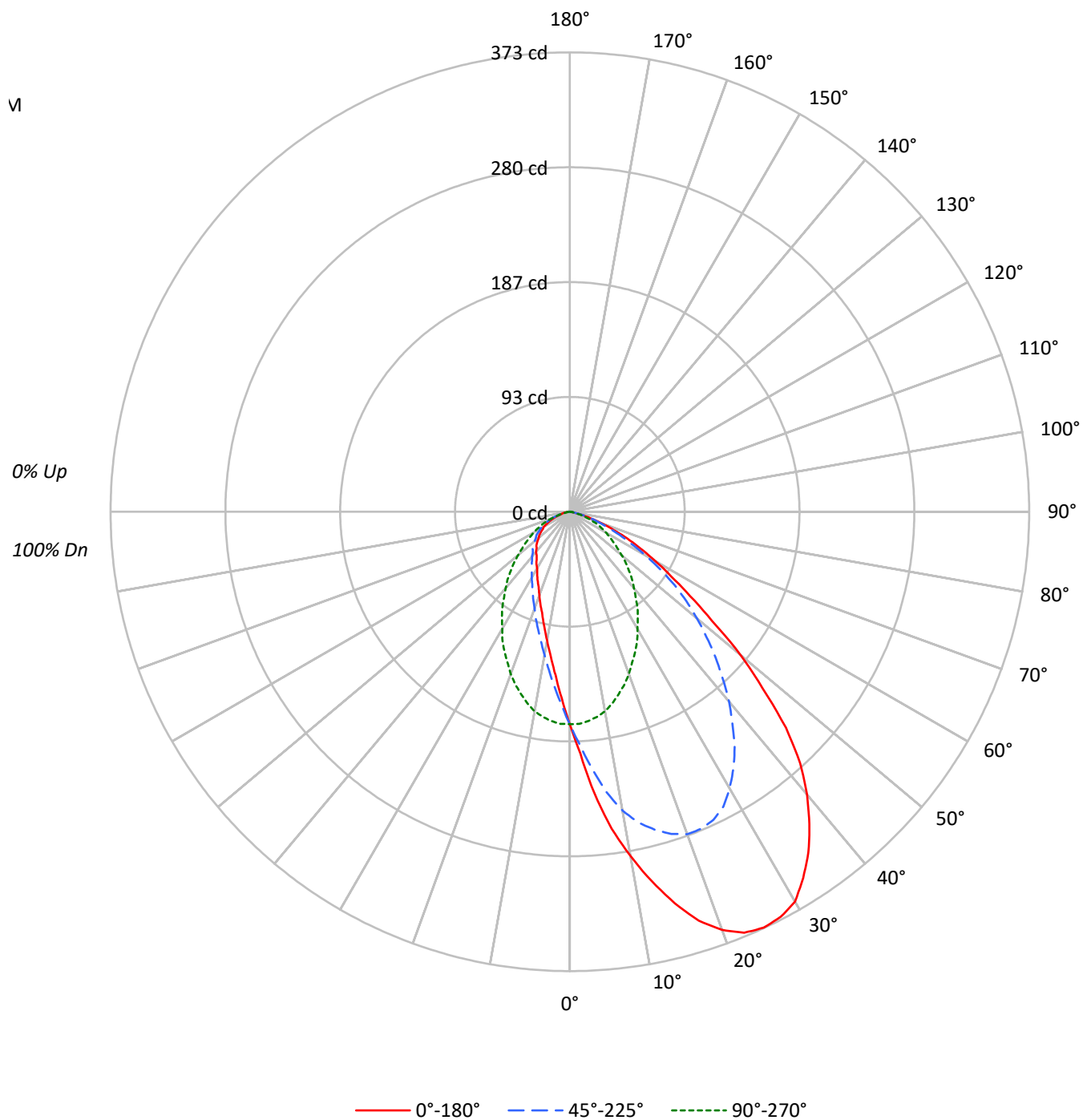
Lumens per Lamp: N/A
Luminaire Lumens: 421.0 lumens
Efficiency: N/A
Efficacy: 28.8 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	29691	29691	29691	29691	29691
5°	39728	36270	29493	24687	23028
10°	49631	43090	28768	20706	18572
15°	58678	47659	27315	17687	15369
20°	66217	51061	25695	15322	13251
25°	70804	52447	23829	13568	11744
30°	72705	51586	21816	12290	10560
35°	71021	49050	20141	11353	9882
40°	67334	45211	18210	10769	9600
45°	60427	40699	16538	10400	9328
50°	48522	36144	14683	10021	8869
55°	35821	31107	13061	9939	8617
60°	27590	24283	11711	9610	8404
65°	20946	18094	10269	8884	7457
70°	14049	12689	7906	7906	6143
75°	7519	7519	5190	5190	4658
80°	1686	3471	2579	3471	4364
85°	0	1778	1778	3359	3359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 60427 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.0	4.0
10°-20°	51.7	12.3
20°-30°	79.6	18.9
30°-40°	90.4	21.5
40°-50°	81.8	19.4
50°-60°	57.2	13.6
60°-70°	31.4	7.5
70°-80°	10.5	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°	148.3	35.2
0°-40°	238.7	56.7
0°-60°	377.7	89.7
0°-90°	421.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	421.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	172	172	172	172	172	
5°	230	210	171	143	133	24
15°	329	267	153	99	86	94
25°	373	276	125	71	62	171
35°	338	233	96	54	47	210
45°	248	167	68	43	38	188
55°	119	104	44	33	29	110
65°	51	44	25	22	18	51
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°	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4
2.5°	196.7	198.5	199.4	197.6	196.7	195.9	194.1	193.3	191.5	189.8	188.9
5°	229.8	229.8	229.8	228.1	225.5	223.7	220.2	217.6	213.3	209.8	206.3
7.5°	259.4	259.4	258.6	255.9	254.2	249.8	245.5	242.0	235.0	229.8	222.9
10°	283.8	283.8	282.9	278.6	276.0	270.7	266.4	260.3	253.3	246.4	238.5
12.5°	307.3	307.3	303.8	300.3	295.1	288.2	282.1	276.0	266.4	258.6	249.0
15°	329.1	329.1	327.3	321.2	314.3	306.4	297.7	289.0	277.7	267.3	256.8
17.5°	348.2	347.3	344.7	337.8	330.8	321.2	310.8	300.3	286.4	274.2	261.2
20°	361.3	361.3	357.8	350.0	342.1	331.7	320.4	308.2	293.4	278.6	262.9
22.5°	370.0	369.1	365.6	357.8	348.2	337.8	324.7	311.7	295.1	278.6	262.0
25°	372.6	371.7	368.2	359.5	350.0	338.6	324.7	310.8	293.4	276.0	257.7
27.5°	370.9	370.0	366.5	356.9	347.3	334.3	320.4	305.6	288.2	269.9	251.6
30°	365.6	363.0	359.5	350.8	340.4	327.3	312.5	296.0	278.6	259.4	241.1
32.5°	352.6	352.6	348.2	339.5	329.1	315.1	300.3	284.7	265.5	247.2	228.1
35°	337.8	336.9	333.4	323.8	314.3	301.2	286.4	269.9	251.6	233.3	215.0
37.5°	319.5	318.6	315.1	306.4	296.0	283.8	268.1	252.5	235.0	216.8	200.2
40°	299.5	297.7	293.4	286.4	277.7	263.8	249.8	234.2	217.6	201.1	184.6
42.5°	276.8	275.1	271.6	266.4	255.9	243.8	230.7	215.9	200.2	183.7	171.5
45°	248.1	248.1	246.4	241.1	233.3	223.7	209.8	196.7	181.9	167.1	154.1
47.5°	212.4	214.2	213.3	210.7	207.2	198.5	188.9	177.6	163.7	150.6	138.4
50°	181.1	181.9	182.8	181.1	178.5	172.4	166.3	159.3	147.1	134.9	123.6
52.5°	145.4	148.0	148.0	148.9	148.9	147.1	145.4	137.5	131.5	119.3	108.8
55°	119.3	119.3	119.3	121.0	121.9	122.7	121.0	119.3	112.3	103.6	94.0
57.5°	97.5	97.5	99.2	98.4	98.4	100.1	100.1	99.2	94.9	87.1	78.3
60°	80.1	80.1	80.1	80.1	81.0	81.0	81.0	81.0	77.5	70.5	63.6
62.5°	64.4	64.4	64.4	65.3	65.3	65.3	66.2	65.3	61.8	56.6	50.5
65°	51.4	50.5	51.4	51.4	52.2	52.2	52.2	51.4	47.9	44.4	40.0
67.5°	38.3	39.2	39.2	39.2	40.0	40.9	40.0	39.2	36.6	33.1	31.3
70°	27.9	28.7	28.7	28.7	29.6	30.5	29.6	28.7	27.0	25.2	23.5
72.5°	18.3	19.2	19.2	20.0	20.9	20.9	20.0	20.0	19.2	17.4	16.5
75°	11.3	11.3	12.2	12.2	13.1	13.1	13.1	12.2	12.2	11.3	11.3
77.5°	5.2	5.2	6.1	6.1	6.1	7.0	7.0	7.0	7.0	7.0	6.1
80°	1.7	1.7	1.7	1.7	1.7	2.6	2.6	2.6	3.5	3.5	3.5
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°	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4
2.5°	187.2	184.6	181.1	172.4	163.7	156.7	152.3	151.5
5°	202.0	197.6	189.8	170.6	155.0	142.8	135.8	133.2
7.5°	216.8	208.9	197.6	168.0	144.5	129.7	121.9	118.4
10°	229.0	219.4	204.6	164.5	135.8	118.4	108.8	106.2
12.5°	238.5	227.2	208.9	159.3	127.1	107.9	98.4	95.8
15°	244.6	232.4	211.5	153.2	118.4	99.2	89.7	86.2
17.5°	247.2	232.4	210.7	147.1	110.6	91.4	81.8	79.2
20°	247.2	230.7	208.1	140.2	102.7	83.6	74.9	72.3
22.5°	244.6	227.2	202.0	132.3	95.8	77.5	68.8	66.2
25°	239.4	220.2	195.0	125.4	88.8	71.4	63.6	61.8
27.5°	231.6	212.4	186.3	118.4	82.7	66.2	59.2	57.5
30°	222.0	202.8	176.7	109.7	76.6	61.8	55.7	53.1
32.5°	209.8	191.5	166.3	102.7	71.4	57.5	52.2	50.5
35°	196.7	180.2	155.0	95.8	66.2	54.0	48.8	47.0
37.5°	183.7	166.3	145.4	87.9	61.8	50.5	46.1	44.4
40°	169.8	156.7	134.9	81.0	58.3	47.9	43.5	42.7
42.5°	155.8	141.9	120.1	74.9	54.0	44.4	40.9	40.0
45°	139.3	126.2	108.8	67.9	50.5	42.7	39.2	38.3
47.5°	125.4	113.2	97.5	61.8	47.0	40.0	36.6	35.7
50°	112.3	100.1	85.3	54.8	43.5	37.4	34.8	33.1
52.5°	97.5	87.1	74.0	48.8	40.0	34.8	32.2	31.3
55°	84.4	74.0	61.8	43.5	36.6	33.1	29.6	28.7
57.5°	69.6	60.9	52.2	38.3	33.1	29.6	27.9	26.1
60°	56.6	50.5	44.4	34.0	29.6	27.9	25.2	24.4
62.5°	46.1	41.8	37.4	29.6	26.1	24.4	22.6	20.9
65°	36.6	34.0	30.5	25.2	22.6	21.8	20.0	18.3
67.5°	28.7	27.0	24.4	20.0	19.2	18.3	16.5	14.8
70°	21.8	20.9	19.2	15.7	14.8	15.7	13.9	12.2
72.5°	15.7	14.8	13.9	11.3	11.3	11.3	10.4	8.7
75°	10.4	9.6	8.7	7.8	7.8	7.8	7.8	7.0
77.5°	6.1	6.1	5.2	4.4	5.2	5.2	6.1	6.1
80°	2.6	2.6	2.6	2.6	3.5	3.5	4.4	4.4
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)