

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: P1316736

Luminaire Tested: P3SQAS02R559830DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316736
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R559830DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

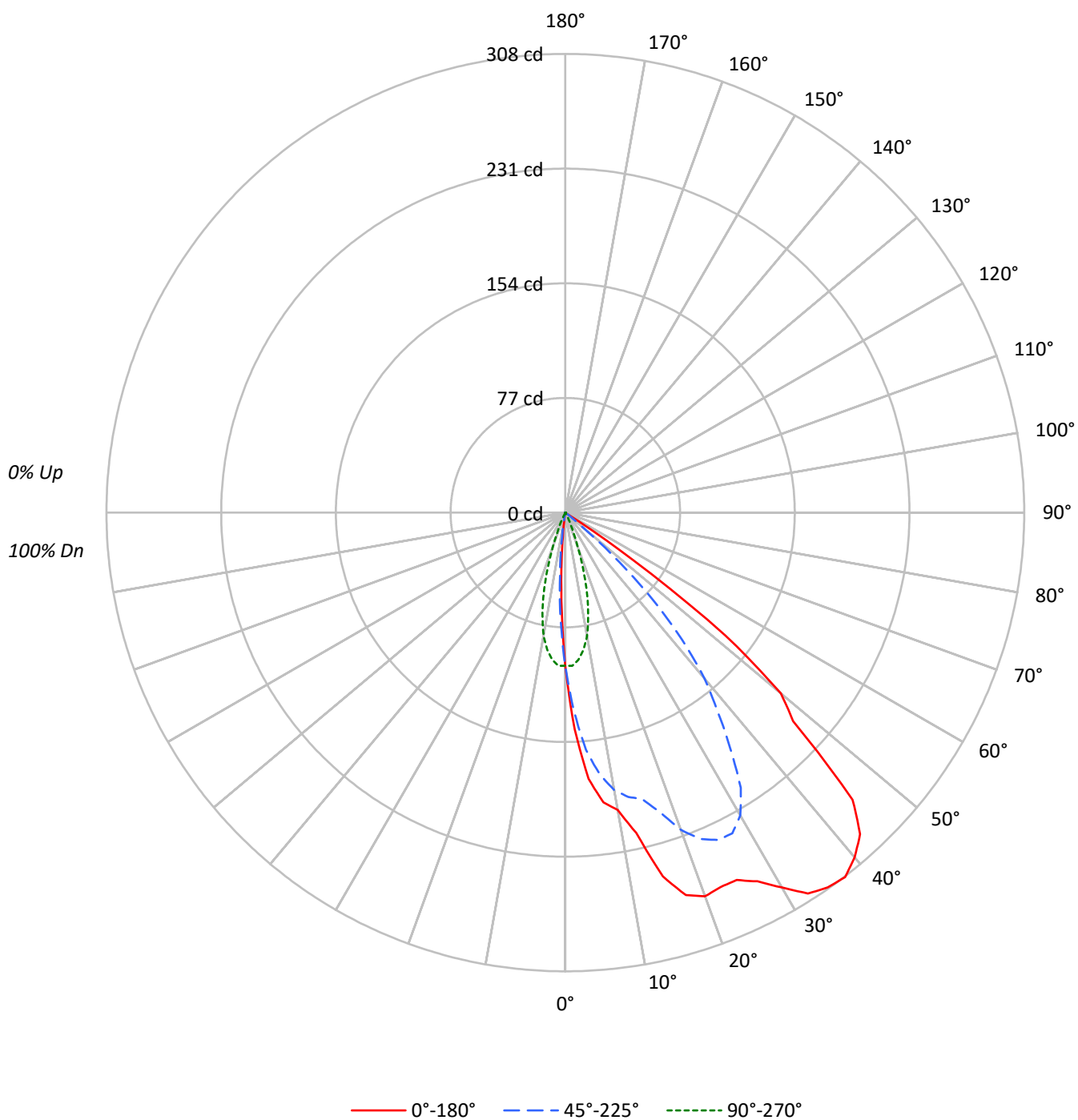
Lumens per Lamp: N/A
Luminaire Lumens: 190.0 lumens
Efficiency: N/A
Efficacy: 52.8 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82		
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	63	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	17687	17687	17687	17687	17687
5°	30997	27626	17167	7123	4097
10°	35466	33070	14672	787	280
15°	45074	35499	10056	160	89
20°	50236	41530	4417	0	0
25°	51706	46081	1254	0	0
30°	57770	46694	179	0	0
35°	64566	40535	0	0	0
40°	67918	32644	0	0	0
45°	66394	20605	0	0	0
50°	50559	4207	0	0	0
55°	16574	0	0	0	0
60°	0	0	0	0	0
65°	0	82	82	0	0
70°	0	101	101	0	0
75°	0	133	133	0	0
80°	0	198	397	198	0
85°	0	395	395	395	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 66394 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.4	4.9
10°-20°	27.5	14.5
20°-30°	44.7	23.5
30°-40°	53.1	28.0
40°-50°	43.4	22.9
50°-60°	11.5	6.1
60°-70°	0.1	0.0
70°-80°	0.1	0.1
80°-90°	0.2	0.1
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°	81.6	42.9
0°-40°	134.7	70.9
0°-60°	189.7	99.8
0°-90°	190.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	190.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	103	103	103	103	103	
5°	179	160	99	41	24	18
15°	253	199	56	1	0	71
25°	272	242	7	0	0	128
35°	307	193	0	0	0	191
45°	273	85	0	0	0	196
55°	55	0	0	0	0	62
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7
2.5°	145.7	144.6	144.8	144.3	144.8	142.5	140.0	137.7	135.9	133.4	118.2
5°	179.3	177.5	176.9	176.2	175.5	172.7	170.3	167.5	164.1	159.8	132.0
7.5°	196.2	194.8	194.1	194.4	192.8	191.8	188.7	185.5	181.9	177.3	142.3
10°	202.8	201.4	201.2	201.1	200.9	200.2	198.7	195.9	192.7	189.1	148.2
12.5°	220.2	216.9	214.8	212.3	209.3	205.3	202.1	199.6	198.4	195.5	150.9
15°	252.8	249.8	247.5	244.3	238.5	230.2	222.5	212.7	204.1	199.1	149.8
17.5°	269.3	267.8	265.9	263.7	259.8	253.7	245.9	235.5	224.6	210.5	144.6
20°	274.1	273.4	271.9	271.0	268.4	264.1	258.7	250.7	240.5	226.6	136.6
22.5°	272.1	272.6	273.4	275.7	276.0	273.0	268.0	260.3	250.0	237.1	124.3
25°	272.1	271.8	271.8	276.6	279.6	278.2	274.6	267.7	257.1	242.5	109.1
27.5°	279.1	276.9	272.5	277.5	282.5	281.9	278.7	270.5	258.7	242.7	90.5
30°	290.5	285.9	278.5	283.2	287.8	285.9	280.7	270.2	255.2	234.8	67.8
32.5°	303.2	301.0	297.3	300.3	299.6	291.8	282.5	267.8	247.8	219.1	45.7
35°	307.1	307.5	305.0	304.4	300.3	292.3	282.5	261.2	232.5	192.8	27.1
37.5°	308.4	308.5	304.6	299.6	293.5	284.1	272.3	247.7	204.1	167.5	14.5
40°	302.1	301.9	295.5	289.4	282.6	273.4	256.2	219.1	177.1	145.2	5.2
42.5°	292.8	290.5	284.4	276.9	268.7	257.1	230.3	185.0	153.9	116.2	0.4
45°	272.6	270.5	265.7	257.7	248.5	232.1	189.8	158.9	125.2	84.6	0.0
47.5°	207.3	206.2	211.2	212.3	212.1	193.4	158.4	129.6	92.0	49.3	0.0
50°	188.7	187.3	182.3	175.9	164.4	148.7	127.0	96.1	53.9	15.7	0.0
52.5°	135.5	140.2	141.2	136.4	125.7	110.2	87.5	55.4	18.7	0.0	0.0
55°	55.2	52.3	54.5	57.1	59.3	54.5	40.4	19.6	0.2	0.0	0.0
57.5°	0.0	0.2	1.1	2.5	4.1	5.2	5.5	0.4	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
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):

	90°	112.5°	135°	157.5°	180°
0°	102.7	102.7	102.7	102.7	102.7
2.5°	103.0	87.1	71.8	63.4	59.3
5°	99.3	66.6	41.2	28.6	23.7
7.5°	93.0	45.7	16.4	6.8	4.8
10°	83.9	26.2	4.5	1.8	1.6
12.5°	70.9	12.0	1.6	1.2	1.2
15°	56.4	4.1	0.9	0.7	0.5
17.5°	39.6	1.1	0.4	0.0	0.0
20°	24.1	0.2	0.0	0.0	0.0
22.5°	13.4	0.0	0.0	0.0	0.0
25°	6.6	0.0	0.0	0.0	0.0
27.5°	2.9	0.0	0.0	0.0	0.0
30°	0.9	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.2	0.0	0.0	0.0	0.0
65°	0.2	0.2	0.0	0.0	0.0
67.5°	0.2	0.2	0.0	0.0	0.0
70°	0.2	0.2	0.0	0.0	0.0
72.5°	0.2	0.2	0.0	0.0	0.0
75°	0.2	0.2	0.0	0.0	0.0
77.5°	0.4	0.2	0.2	0.0	0.0
80°	0.4	0.2	0.2	0.0	0.0
82.5°	0.4	0.2	0.2	0.0	0.0
85°	0.2	0.2	0.2	0.0	0.0
87.5°	0.4	0.2	0.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)