

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: P1310927

Luminaire Tested: P3SQAS02R709050DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310927
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R709050DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

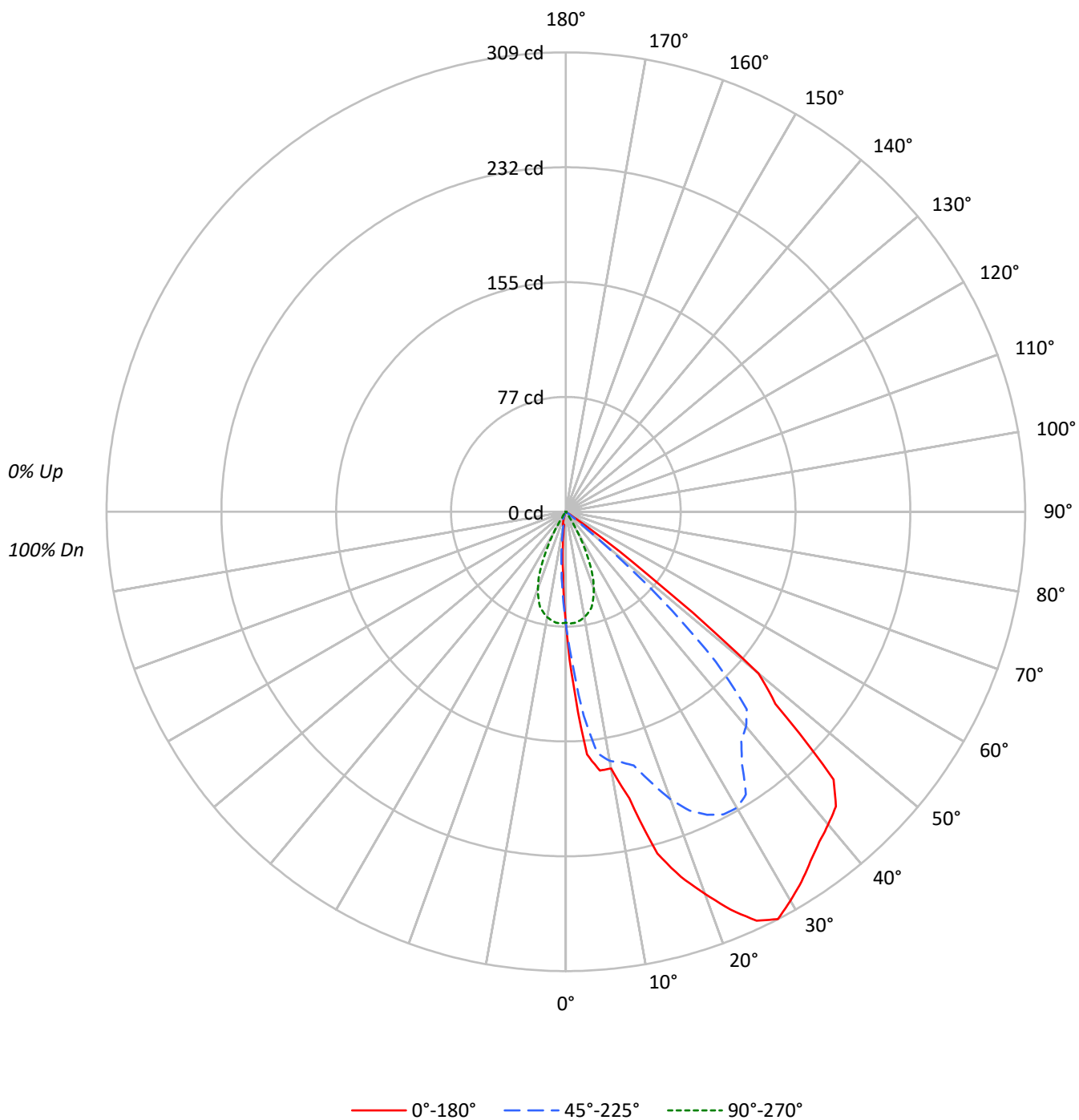
Lumens per Lamp: N/A
Luminaire Lumens: 201.0 lumens
Efficiency: N/A
Efficacy: 55.8 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1310927

CATALOG NUMBER: P3SQAS02R709050DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1310927

CATALOG NUMBER: P3SQAS02R709050DE010 E3SQCA301MB

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	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	94	90	103	98	93	89	94	90	87	91	88	85	88	86	84	82		
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73		
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66		
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59		
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53		
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48		
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39		
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	12848	12848	12848	12848	12848
5°	28335	23788	12949	5878	3873
10°	30656	29764	12591	1644	1679
15°	42435	31505	11892	1676	1212
20°	50108	37736	10080	990	367
25°	57673	42737	7107	171	0
30°	60077	45739	3281	0	0
35°	60340	43353	189	0	0
40°	61736	42401	0	0	0
45°	62035	34756	0	0	0
50°	45307	7207	0	0	0
55°	2552	0	0	0	0
60°	0	103	103	0	0
65°	0	0	122	0	0
70°	0	151	151	0	0
75°	0	200	200	0	0
80°	0	298	298	298	0
85°	0	593	593	593	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 63204 cd/sqm

TEST NUMBER: P1310927

CATALOG NUMBER: P3SQAS02R709050DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.2	4.1
10°-20°	27.3	13.6
20°-30°	49.0	24.4
30°-40°	59.6	29.6
40°-50°	46.0	22.9
50°-60°	10.7	5.3
60°-70°	0.1	0.0
70°-80°	0.2	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°	84.4	42.0
0°-40°	144.0	71.6
0°-60°	200.6	99.8
0°-90°	201.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	201.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	75	75	75	75	75	
5°	164	138	75	34	22	15
15°	238	177	67	9	7	67
25°	304	225	37	1	0	138
35°	287	206	1	0	0	180
45°	255	143	0	0	0	180
55°	8	0	0	0	0	35
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	

TEST NUMBER: P1310927

CATALOG NUMBER: P3SQAS02R709050DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
2.5°	116.3	116.3	116.9	116.6	114.0	112.9	109.2	107.2	106.6	102.1	100.4
5°	163.9	164.2	162.8	162.5	159.7	157.7	154.6	149.8	144.9	137.6	131.0
7.5°	175.6	175.3	175.0	175.0	174.4	173.3	171.9	170.5	168.5	163.9	158.8
10°	175.3	175.3	175.0	175.0	174.7	175.0	174.7	173.9	173.0	170.2	167.3
12.5°	197.4	195.7	193.4	190.0	184.4	180.1	175.3	173.9	173.3	172.5	170.8
15°	238.0	236.6	231.7	225.8	220.1	210.5	202.8	192.3	184.1	176.7	173.0
17.5°	257.5	258.4	253.0	249.3	243.9	236.3	227.2	216.4	204.8	190.9	179.8
20°	273.4	274.3	269.7	266.1	259.8	251.9	243.9	232.3	221.2	205.9	191.5
22.5°	289.6	290.2	285.9	280.5	273.4	265.2	255.0	243.1	231.2	217.6	202.2
25°	303.5	302.9	295.8	288.2	281.4	272.6	262.7	251.0	239.7	224.9	210.5
27.5°	308.9	308.6	300.7	293.3	285.3	273.4	264.6	254.4	242.5	229.5	214.7
30°	302.1	306.6	301.5	296.1	286.5	274.6	266.1	253.9	242.8	230.0	213.3
32.5°	295.0	300.7	299.0	296.4	285.1	275.7	264.6	253.3	240.2	225.5	200.0
35°	287.0	293.0	293.3	290.5	280.2	270.9	260.7	248.8	234.0	206.2	187.5
37.5°	280.0	285.6	287.3	281.4	273.4	261.0	251.6	239.1	212.4	193.7	184.1
40°	274.6	278.8	281.4	272.0	264.1	251.9	241.1	219.3	195.1	188.6	175.0
42.5°	268.9	272.9	274.0	263.8	251.6	240.0	224.4	196.8	189.8	180.1	143.5
45°	254.7	259.5	256.7	246.8	237.7	225.5	202.2	190.3	182.7	142.7	88.2
47.5°	191.2	196.6	204.2	207.1	210.2	201.4	188.6	184.4	150.0	86.5	27.5
50°	169.1	168.2	168.2	169.6	172.2	175.0	178.7	155.4	90.2	26.9	0.0
52.5°	68.9	72.3	89.1	104.1	121.4	138.7	144.1	95.3	35.2	0.6	0.0
55°	8.5	8.5	11.9	20.4	33.8	54.5	61.3	30.6	2.6	0.0	0.0
57.5°	0.0	0.0	0.0	0.3	2.3	6.2	4.3	1.1	0.3	0.3	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1310927

CATALOG NUMBER: P3SQAS02R709050DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
2.5°	97.6	94.2	89.3	75.2	63.0	52.2	46.0	42.8
5°	124.8	116.6	105.5	74.9	51.1	34.0	25.5	22.4
7.5°	150.9	141.5	122.8	73.7	39.1	19.9	11.1	8.8
10°	162.2	155.4	138.7	72.0	28.4	9.4	9.4	9.6
12.5°	166.8	161.7	148.1	69.5	18.7	9.1	9.6	9.1
15°	169.9	165.1	152.6	66.7	10.8	9.4	7.7	6.8
17.5°	171.6	165.9	154.0	61.3	7.1	7.9	4.8	4.0
20°	177.0	167.9	155.2	55.0	6.8	5.4	2.6	2.0
22.5°	186.1	171.9	155.4	47.4	5.4	3.1	0.9	0.0
25°	194.3	177.3	156.3	37.4	1.7	0.9	0.0	0.0
27.5°	198.3	179.0	156.0	26.4	0.0	0.0	0.0	0.0
30°	193.4	174.7	153.5	16.5	0.0	0.0	0.0	0.0
32.5°	182.1	171.6	145.5	7.1	0.0	0.0	0.0	0.0
35°	178.4	164.8	127.4	0.9	0.0	0.0	0.0	0.0
37.5°	170.2	145.2	93.6	0.0	0.0	0.0	0.0	0.0
40°	146.4	104.9	44.5	0.0	0.0	0.0	0.0	0.0
42.5°	96.7	44.8	2.6	0.0	0.0	0.0	0.0	0.0
45°	34.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0
67.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0
70°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
72.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
75°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
77.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0
87.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)