

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: P1305489

Luminaire Tested: P3SQAS02R609024DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305489
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R609024DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R60 optic, 2400K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

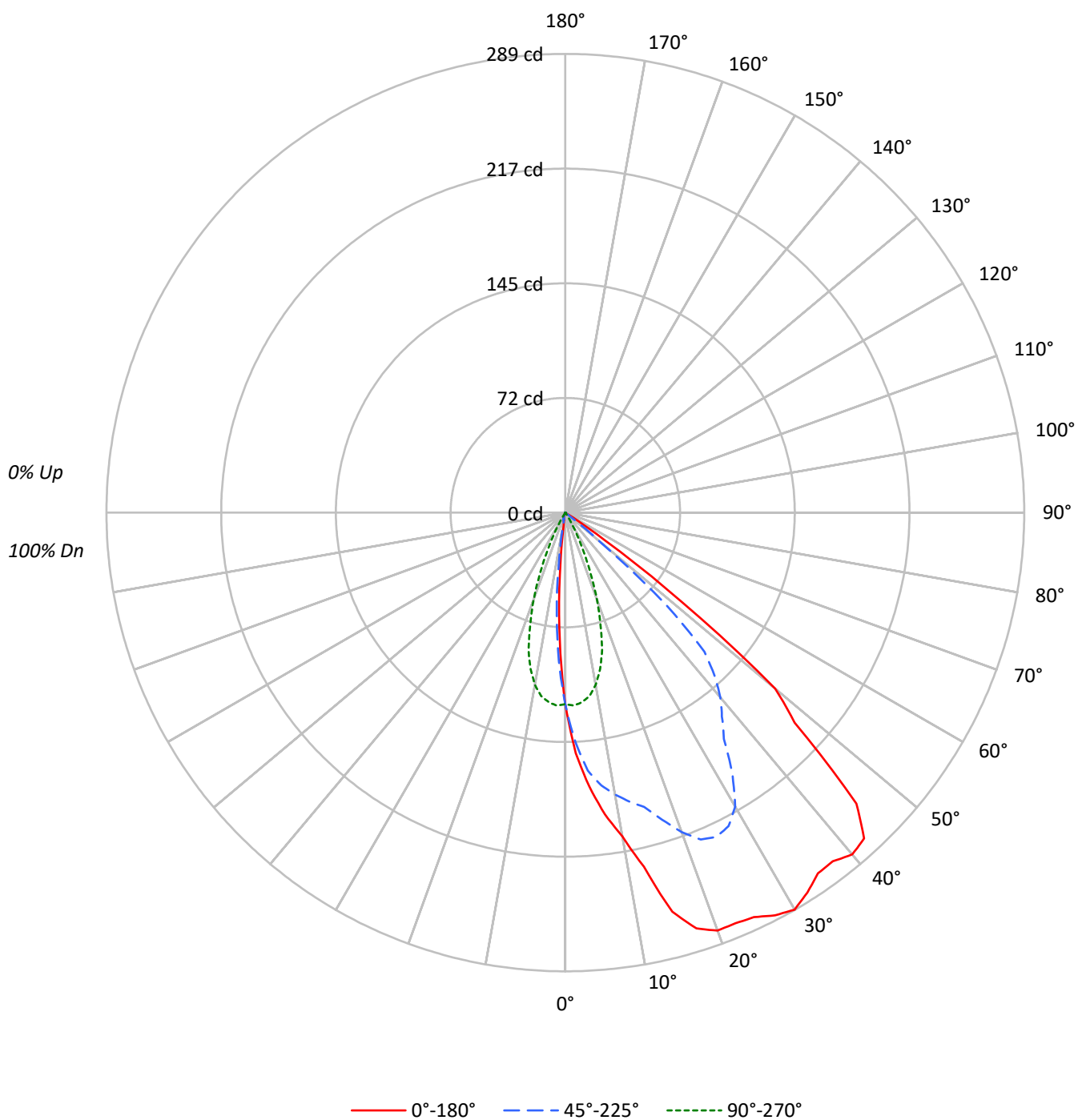
Lumens per Lamp: N/A
Luminaire Lumens: 196.0 lumens
Efficiency: N/A
Efficacy: 54.4 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1305489

CATALOG NUMBER: P3SQAS02R609024DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1305489

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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	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60		
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	20770	20770	20770	20770	20770
5°	29943	28197	20728	10684	6863
10°	36218	31513	19254	1277	752
15°	46411	34233	15958	838	695
20°	51354	39239	10703	477	73
25°	53416	42813	5264	38	0
30°	57432	42537	1452	0	0
35°	58322	36625	0	0	0
40°	63197	34150	0	0	0
45°	63131	30153	0	0	0
50°	46218	7315	0	0	0
55°	9008	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	198	198	0
85°	0	395	395	395	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 63228 cd/sqm

TEST NUMBER: P1305489

CATALOG NUMBER: P3SQAS02R609024DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.4	5.3
10°-20°	29.5	15.1
20°-30°	47.0	24.0
30°-40°	54.3	27.7
40°-50°	43.1	22.0
50°-60°	11.4	5.8
60°-70°	0.1	0.0
70°-80°	0.1	0.1
80°-90°	0.1	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°	86.8	44.3
0°-40°	141.2	72.0
0°-60°	195.7	99.8
0°-90°	196.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	196.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	121	121	121	121	121	
5°	173	163	120	62	40	17
15°	260	192	90	5	4	73
25°	281	225	28	0	0	131
35°	277	174	0	0	0	176
45°	259	124	0	0	0	185
55°	30	0	0	0	0	45
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: P1305489

CATALOG NUMBER: P3SQAS02R609024DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	120.6	120.6	120.6	120.6	120.6	120.6	120.6	120.6	120.6	120.6	120.6
2.5°	151.7	153.2	152.6	151.9	150.4	149.8	149.8	148.1	145.3	144.8	142.9
5°	173.2	173.6	173.6	173.2	172.1	170.4	169.9	168.2	165.7	163.1	160.5
7.5°	191.8	191.6	190.3	189.5	187.5	185.2	183.0	180.7	176.8	173.4	169.7
10°	207.1	207.7	206.6	204.5	201.9	198.7	195.3	191.2	185.4	180.2	175.5
12.5°	228.5	228.3	225.5	221.9	215.6	209.6	204.3	199.8	192.7	186.5	180.7
15°	260.3	259.9	257.3	254.1	245.0	236.0	226.8	214.1	202.3	192.0	183.9
17.5°	274.7	275.5	273.4	271.7	266.5	260.5	252.3	239.7	221.4	202.8	185.6
20°	280.2	281.3	279.8	279.6	277.2	274.4	267.8	254.1	236.2	214.1	192.9
22.5°	280.0	280.9	280.2	283.0	285.8	284.3	276.2	262.4	244.2	222.9	198.9
25°	281.1	280.5	278.1	282.2	286.2	285.0	280.9	269.1	249.1	225.3	201.1
27.5°	286.0	281.3	276.6	281.7	283.7	284.1	281.7	267.8	248.3	222.7	196.8
30°	288.8	283.7	279.8	284.1	284.1	286.5	281.5	265.6	241.0	213.9	185.4
32.5°	283.7	282.6	286.0	290.3	291.4	291.4	280.5	258.6	228.7	195.9	167.2
35°	277.4	280.0	289.9	291.8	291.8	287.1	273.8	246.1	210.5	174.2	153.6
37.5°	276.8	280.9	291.8	289.5	285.6	276.8	257.5	224.4	184.5	162.0	143.6
40°	281.1	285.0	291.4	282.8	273.6	259.9	236.7	196.1	168.9	151.9	131.3
42.5°	278.5	282.2	282.4	269.7	256.6	238.0	207.3	173.2	157.5	139.0	117.4
45°	259.2	259.6	258.8	245.3	231.7	212.4	179.8	161.8	145.1	123.8	86.3
47.5°	195.9	195.0	198.3	194.4	195.0	183.5	163.3	148.5	128.5	86.9	26.2
50°	172.5	171.4	168.2	164.8	161.4	155.8	146.3	130.5	92.7	27.3	0.9
52.5°	92.5	97.6	107.7	123.2	129.0	128.5	121.5	96.6	29.2	0.2	0.0
55°	30.0	29.6	33.0	39.1	53.6	61.8	64.4	32.8	0.6	0.0	0.0
57.5°	0.0	0.0	0.0	0.6	2.1	5.6	7.3	0.4	0.0	0.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
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	0.0	0.0	0.2	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	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	0.2	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	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
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	0.2	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

TEST NUMBER: P1305489

CATALOG NUMBER: P3SQAS02R609024DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	120.6	120.6	120.6	120.6	120.6	120.6	120.6	120.6
2.5°	140.3	137.3	133.9	121.7	107.3	93.3	83.3	80.7
5°	156.4	151.3	144.0	119.9	88.6	61.8	44.2	39.7
7.5°	164.8	160.3	152.6	116.5	68.7	30.5	11.4	7.7
10°	169.9	164.6	156.0	110.1	44.8	7.3	4.1	4.3
12.5°	173.6	167.4	157.7	100.9	22.7	3.6	5.1	5.4
15°	175.1	168.4	157.5	89.5	8.2	4.7	4.5	3.9
17.5°	174.2	165.9	154.7	73.2	2.8	4.5	2.4	1.9
20°	173.2	163.7	150.2	58.4	2.4	2.6	0.9	0.4
22.5°	176.6	160.1	144.0	41.8	2.4	0.9	0.0	0.0
25°	177.0	158.6	136.0	27.7	1.1	0.2	0.0	0.0
27.5°	172.7	149.8	123.8	16.3	0.0	0.0	0.0	0.0
30°	159.0	138.8	110.7	7.3	0.0	0.0	0.0	0.0
32.5°	145.5	126.6	96.1	1.7	0.0	0.0	0.0	0.0
35°	134.8	113.9	80.0	0.0	0.0	0.0	0.0	0.0
37.5°	121.5	98.9	59.7	0.0	0.0	0.0	0.0	0.0
40°	107.5	79.8	29.8	0.0	0.0	0.0	0.0	0.0
42.5°	83.9	38.0	3.0	0.0	0.0	0.0	0.0	0.0
45°	32.2	3.4	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.7	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°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
65°	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
67.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
70°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
72.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
75°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
77.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
82.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)