

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: P1305671

Luminaire Tested: P3SQASS05R709024DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305671
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: P3SQASS05R709024DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

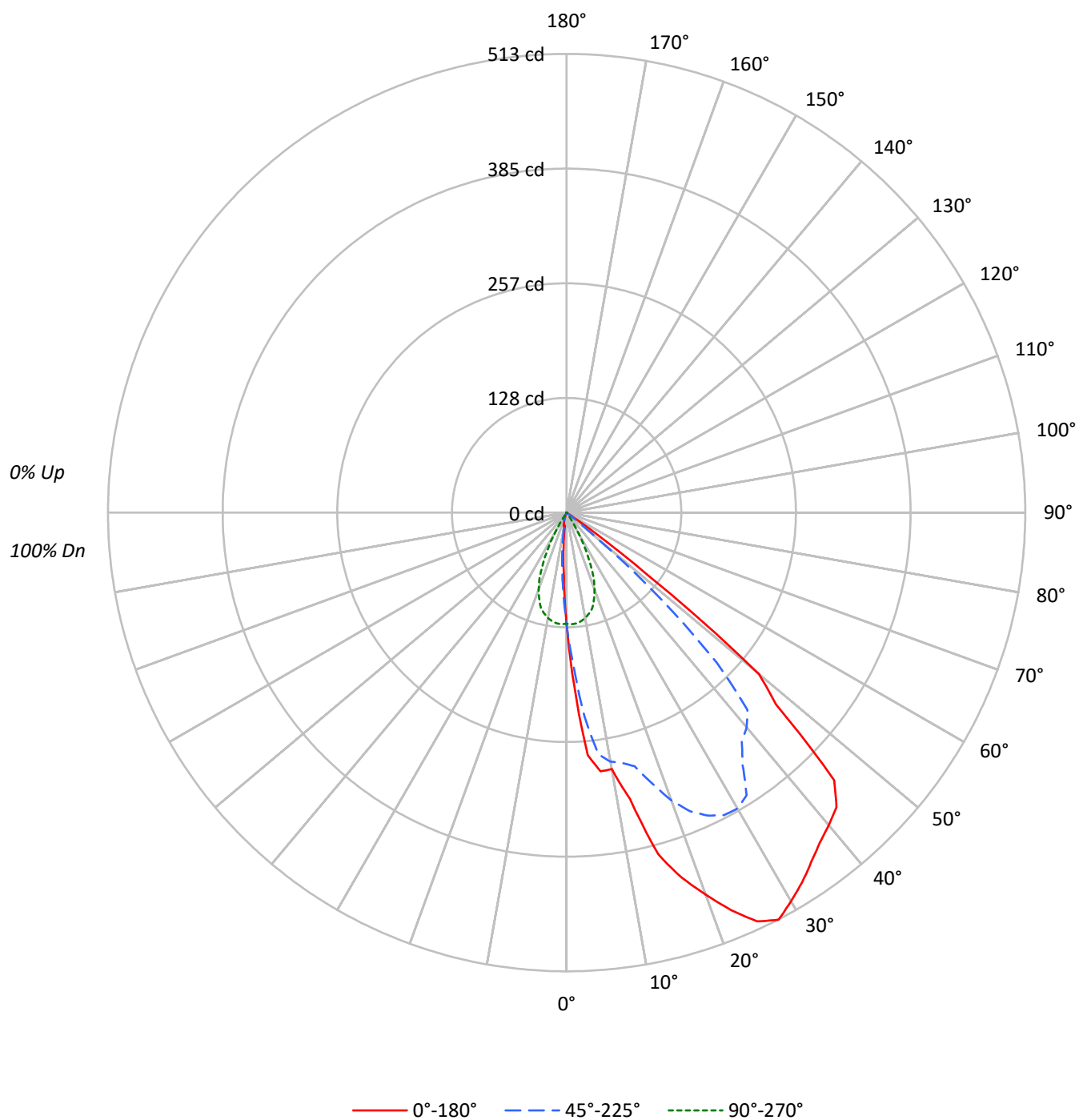
Lumens per Lamp: N/A
Luminaire Lumens: 334.0 lumens
Efficiency: N/A
Efficacy: 46.4 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1305671

CATALOG NUMBER: P3SQASS05R709024DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1305671

CATALOG NUMBER: P3SQASS05R709024DE010 E3SQCA301MMS

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°	21356	21356	21356	21356	21356
5°	47093	39520	21506	9785	6431
10°	50942	49456	20933	2728	2798
15°	70499	52348	19755	2781	2015
20°	83280	62717	16751	1649	605
25°	95830	71032	11820	266	0
30°	99831	76006	5429	0	0
35°	100287	72051	294	0	0
40°	102563	70459	0	0	0
45°	103099	57748	0	0	0
50°	75262	12003	0	0	0
55°	4234	0	0	0	0
60°	0	172	172	0	0
65°	0	0	204	0	0
70°	0	252	252	0	0
75°	0	333	333	0	0
80°	0	496	496	496	0
85°	0	988	988	988	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 105047 cd/sqm

TEST NUMBER: P1305671

CATALOG NUMBER: P3SQASS05R709024DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.6	4.1
10°-20°	45.3	13.6
20°-30°	81.4	24.4
30°-40°	99.0	29.6
40°-50°	76.4	22.9
50°-60°	17.8	5.3
60°-70°	0.1	0.0
70°-80°	0.3	0.1
80°-90°	0.3	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°	140.2	42.0
0°-40°	239.2	71.6
0°-60°	333.4	99.8
0°-90°	334.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	334.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	124	124	124	124	124	
5°	272	229	124	57	37	26
15°	395	294	111	16	11	111
25°	504	374	62	1	0	230
35°	477	343	1	0	0	300
45°	423	237	0	0	0	299
55°	14	0	0	0	0	58
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: P1305671

CATALOG NUMBER: P3SQASS05R709024DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0
2.5°	193.2	193.2	194.2	193.7	189.5	187.6	181.5	178.2	177.2	169.7	166.8
5°	272.4	272.9	270.5	270.1	265.4	262.1	256.9	248.9	240.8	228.6	217.8
7.5°	291.8	291.3	290.8	290.8	289.9	288.0	285.6	283.3	280.0	272.4	263.9
10°	291.3	291.3	290.8	290.8	290.3	290.8	290.3	288.9	287.5	282.8	278.1
12.5°	328.0	325.2	321.4	315.8	306.4	299.3	291.3	288.9	288.0	286.6	283.7
15°	395.4	393.1	385.1	375.2	365.8	349.7	337.0	319.6	305.9	293.6	287.5
17.5°	428.0	429.4	420.4	414.3	405.3	392.6	377.5	359.6	340.3	317.2	298.8
20°	454.4	455.8	448.2	442.1	431.7	418.5	405.3	386.0	367.6	342.2	318.1
22.5°	481.2	482.2	475.1	466.1	454.4	440.7	423.7	403.9	384.1	361.5	336.1
25°	504.3	503.4	491.6	478.9	467.6	452.9	436.4	417.1	398.3	373.8	349.7
27.5°	513.3	512.8	499.6	487.4	474.2	454.4	439.7	422.8	403.0	381.3	356.8
30°	502.0	509.5	501.0	492.1	476.0	456.2	442.1	421.8	403.5	382.2	354.4
32.5°	490.2	499.6	496.8	492.5	473.7	458.1	439.7	420.9	399.2	374.7	332.3
35°	477.0	486.9	487.4	482.6	465.7	450.1	433.1	413.4	388.8	342.7	311.5
37.5°	465.2	474.6	477.5	467.6	454.4	433.6	418.1	397.3	353.0	321.9	305.9
40°	456.2	463.3	467.6	452.0	438.8	418.5	400.6	364.3	324.3	313.4	290.8
42.5°	446.8	453.4	455.3	438.3	418.1	398.7	372.8	327.1	315.3	299.3	238.5
45°	423.3	431.3	426.6	410.1	395.0	374.7	336.1	316.3	303.5	237.1	146.6
47.5°	317.7	326.6	339.4	344.1	349.3	334.6	313.4	306.4	249.3	143.8	45.7
50°	280.9	279.5	279.5	281.9	286.1	290.8	296.9	258.3	149.9	44.8	0.0
52.5°	114.5	120.2	148.0	173.0	201.7	230.5	239.4	158.4	58.4	0.9	0.0
55°	14.1	14.1	19.8	33.9	56.1	90.5	101.8	50.9	4.2	0.0	0.0
57.5°	0.0	0.0	0.0	0.5	3.8	10.4	7.1	1.9	0.5	0.5	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
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	0.5	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
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: P1305671

CATALOG NUMBER: P3SQASS05R709024DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0
2.5°	162.1	156.5	148.5	124.9	104.6	86.7	76.4	71.2
5°	207.4	193.7	175.3	124.4	84.8	56.6	42.4	37.2
7.5°	250.7	235.2	204.1	122.5	65.0	33.0	18.4	14.6
10°	269.6	258.3	230.5	119.7	47.1	15.6	15.6	16.0
12.5°	277.1	268.7	246.0	115.5	31.1	15.1	16.0	15.1
15°	282.3	274.3	253.6	110.8	17.9	15.6	12.7	11.3
17.5°	285.2	275.7	255.9	101.8	11.8	13.2	8.0	6.6
20°	294.1	279.0	257.8	91.4	11.3	9.0	4.2	3.3
22.5°	309.2	285.6	258.3	78.7	9.0	5.2	1.4	0.0
25°	322.9	294.6	259.7	62.2	2.8	1.4	0.0	0.0
27.5°	329.5	297.4	259.2	43.8	0.0	0.0	0.0	0.0
30°	321.4	290.3	255.0	27.3	0.0	0.0	0.0	0.0
32.5°	302.6	285.2	241.8	11.8	0.0	0.0	0.0	0.0
35°	296.5	273.8	211.6	1.4	0.0	0.0	0.0	0.0
37.5°	282.8	241.3	155.5	0.0	0.0	0.0	0.0	0.0
40°	243.2	174.4	74.0	0.0	0.0	0.0	0.0	0.0
42.5°	160.7	74.5	4.2	0.0	0.0	0.0	0.0	0.0
45°	56.6	4.7	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.9	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°	0.5	0.5	0.5	0.5	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	0.5	0.5	0.0	0.0	0.0	0.0
67.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
70°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
72.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
75°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
77.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
87.5°	0.5	0.5	0.5	0.5	0.5	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)