

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: P1315095

Luminaire Tested: P3SQAS05R609740DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315095
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: P3SQAS05R609740DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

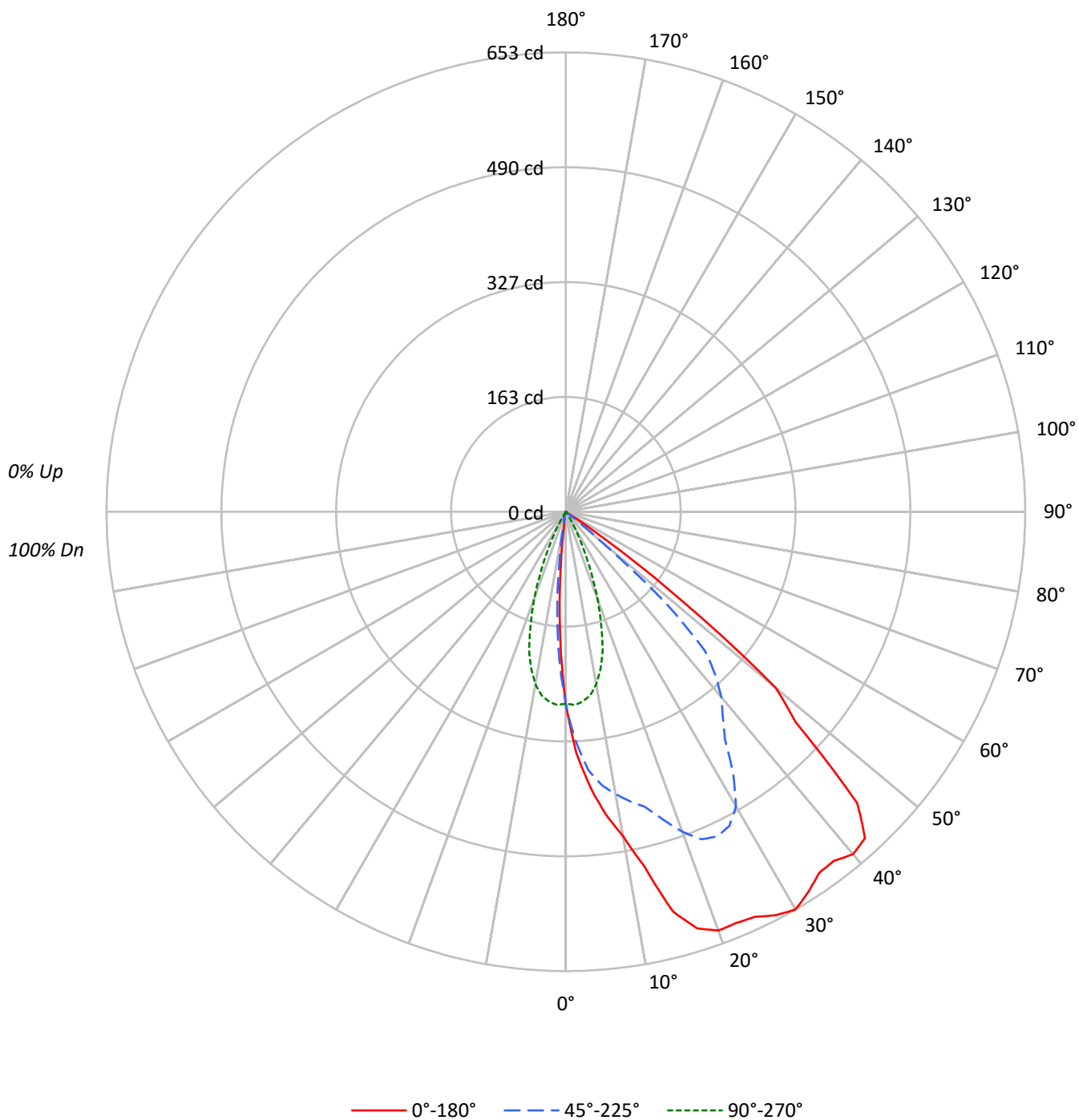
Lumens per Lamp: N/A
Luminaire Lumens: 443.0 lumens
Efficiency: N/A
Efficacy: 61.5 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1315095

CATALOG NUMBER: P3SQAS05R609740DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1315095

CATALOG NUMBER: P3SQAS05R609740DE010 E3SQCA301MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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	63	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°	46948	46948	46948	46948	46948
5°	67665	63724	46868	24151	15507
10°	81844	71246	43510	2886	1696
15°	104893	77399	36052	1908	1551
20°	116087	88705	24174	1063	183
25°	120724	96762	11896	95	0
30°	129819	96152	3281	0	0
35°	131845	82794	0	0	0
40°	142829	77203	0	0	0
45°	142702	68148	0	0	0
50°	104466	16505	0	0	0
55°	20388	0	0	0	0
60°	0	0	0	0	0
65°	0	204	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: 142921 cd/sqm

TEST NUMBER: P1315095

CATALOG NUMBER: P3SQAS05R609740DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.4	5.3
10°-20°	66.7	15.0
20°-30°	106.2	24.0
30°-40°	122.8	27.7
40°-50°	97.5	22.0
50°-60°	25.7	5.8
60°-70°	0.2	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°	196.3	44.3
0°-40°	319.1	72.0
0°-60°	442.3	99.8
0°-90°	443.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	443.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	273	273	273	273	273	
5°	391	369	271	140	90	40
15°	588	434	202	11	9	164
25°	635	509	63	0	0	296
35°	627	394	0	0	0	398
45°	586	280	0	0	0	417
55°	68	0	0	0	0	102
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: P1315095

CATALOG NUMBER: P3SQAS05R609740DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	272.6	272.6	272.6	272.6	272.6	272.6	272.6	272.6	272.6	272.6	272.6
2.5°	342.9	346.3	344.8	343.4	340.0	338.5	338.5	334.6	328.3	327.4	323.0
5°	391.4	392.4	392.4	391.4	389.0	385.1	384.1	380.2	374.4	368.6	362.8
7.5°	433.6	433.1	430.2	428.2	423.9	418.5	413.7	408.4	399.6	391.9	383.6
10°	468.0	469.5	467.0	462.2	456.4	449.1	441.3	432.1	419.0	407.4	396.7
12.5°	516.5	516.0	509.7	501.5	487.4	473.8	461.7	451.5	435.5	421.5	408.4
15°	588.3	587.3	581.5	574.2	553.9	533.5	512.6	484.0	457.3	434.1	415.6
17.5°	620.8	622.7	617.9	614.0	602.4	588.8	570.3	541.7	500.5	458.3	419.5
20°	633.4	635.8	632.4	631.9	626.6	620.3	605.3	574.2	534.0	484.0	436.0
22.5°	632.9	634.8	633.4	639.7	646.0	642.6	624.2	593.1	551.9	503.9	449.6
25°	635.3	633.9	628.5	637.8	647.0	644.1	634.8	608.2	563.1	509.2	454.4
27.5°	646.5	635.8	625.1	636.8	641.2	642.1	636.8	605.3	561.1	503.4	444.7
30°	652.8	641.2	632.4	642.1	642.1	647.5	636.3	600.4	544.6	483.5	419.0
32.5°	641.2	638.7	646.5	656.2	658.6	658.6	633.9	584.4	517.0	442.8	377.8
35°	627.1	632.9	655.2	659.6	659.6	648.9	618.8	556.3	475.8	393.8	347.2
37.5°	625.6	634.8	659.6	654.2	645.5	625.6	582.0	507.3	417.1	366.2	324.5
40°	635.3	644.1	658.6	639.2	618.4	587.3	534.9	443.3	381.7	343.4	296.8
42.5°	629.5	637.8	638.2	609.6	580.0	537.8	468.5	391.4	356.0	314.3	265.3
45°	585.9	586.8	584.9	554.3	523.8	480.1	406.4	365.7	327.9	279.8	195.0
47.5°	442.8	440.9	448.1	439.4	440.9	414.7	369.1	335.6	290.5	196.4	59.2
50°	389.9	387.5	380.2	372.5	364.7	352.1	330.8	294.9	209.5	61.6	1.9
52.5°	209.0	220.7	243.5	278.4	291.5	290.5	274.5	218.2	66.0	0.5	0.0
55°	67.9	66.9	74.7	88.3	121.2	139.7	145.5	74.2	1.5	0.0	0.0
57.5°	0.0	0.0	0.0	1.5	4.8	12.6	16.5	1.0	0.0	0.5	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	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	0.5	0.5	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	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: P1315095

CATALOG NUMBER: P3SQAS05R609740DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	272.6	272.6	272.6	272.6	272.6	272.6	272.6	272.6
2.5°	317.2	310.4	302.6	275.0	242.5	211.0	188.2	182.4
5°	353.6	341.9	325.4	271.1	200.3	139.7	99.9	89.7
7.5°	372.5	362.3	344.8	263.3	155.2	68.9	25.7	17.5
10°	384.1	372.0	352.6	248.8	101.4	16.5	9.2	9.7
12.5°	392.4	378.3	356.5	227.9	51.4	8.2	11.6	12.1
15°	395.7	380.7	356.0	202.2	18.4	10.7	10.2	8.7
17.5°	393.8	374.9	349.7	165.4	6.3	10.2	5.3	4.4
20°	391.4	370.0	339.5	131.9	5.3	5.8	1.9	1.0
22.5°	399.1	361.8	325.4	94.6	5.3	1.9	0.0	0.0
25°	400.1	358.4	307.5	62.6	2.4	0.5	0.0	0.0
27.5°	390.4	338.5	279.8	36.9	0.0	0.0	0.0	0.0
30°	359.4	313.8	250.3	16.5	0.0	0.0	0.0	0.0
32.5°	328.8	286.1	217.3	3.9	0.0	0.0	0.0	0.0
35°	304.6	257.5	180.9	0.0	0.0	0.0	0.0	0.0
37.5°	274.5	223.6	134.8	0.0	0.0	0.0	0.0	0.0
40°	243.0	180.4	67.4	0.0	0.0	0.0	0.0	0.0
42.5°	189.6	85.8	6.8	0.0	0.0	0.0	0.0	0.0
45°	72.7	7.8	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	3.9	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	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
65°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
67.5°	0.5	0.5	0.5	0.5	0.5	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	0.0	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	0.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)