

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: P1313151

Luminaire Tested: P3SQAS05R609730DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313151
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: P3SQAS05R609730DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

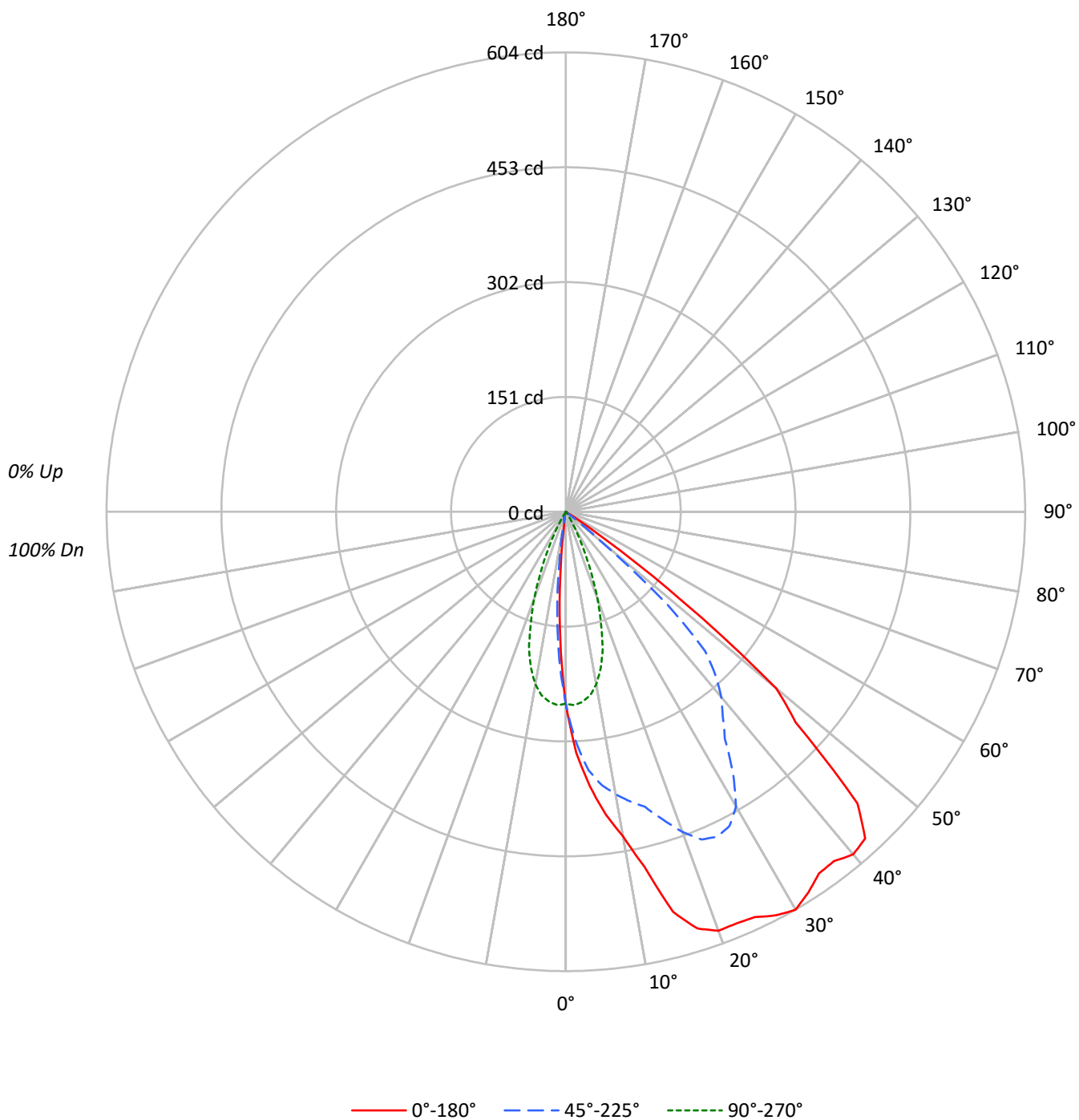
Lumens per Lamp: N/A
Luminaire Lumens: 409.9 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1313151

CATALOG NUMBER: P3SQAS05R609730DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1313151

CATALOG NUMBER: P3SQAS05R609730DE010 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	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°	43452	43452	43452	43452	43452
5°	62617	58970	43376	22353	14349
10°	75740	65930	40275	2676	1574
15°	97083	71622	33377	1765	1444
20°	107436	82107	22378	990	165
25°	111736	89560	11003	76	0
30°	120155	88992	3043	0	0
35°	122026	76634	0	0	0
40°	132195	71448	0	0	0
45°	132058	63082	0	0	0
50°	96696	15272	0	0	0
55°	18856	0	0	0	0
60°	0	0	0	0	0
65°	0	163	163	0	0
70°	0	201	201	0	0
75°	0	266	266	0	0
80°	0	397	397	397	0
85°	0	790	790	790	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 132277 cd/sqm

TEST NUMBER: P1313151

CATALOG NUMBER: P3SQAS05R609730DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.7	5.3
10°-20°	61.7	15.1
20°-30°	98.3	24.0
30°-40°	113.6	27.7
40°-50°	90.3	22.0
50°-60°	23.8	5.8
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°	181.7	44.3
0°-40°	295.3	72.0
0°-60°	409.3	99.9
0°-90°	409.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	409.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	252	252	252	252	252	
5°	362	341	251	129	83	37
15°	544	402	187	10	8	152
25°	588	471	58	0	0	274
35°	580	364	0	0	0	369
45°	542	259	0	0	0	386
55°	63	0	0	0	0	95
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: P1313151

CATALOG NUMBER: P3SQAS05R609730DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3
2.5°	317.3	320.5	319.1	317.8	314.6	313.3	313.3	309.7	303.9	303.0	298.9
5°	362.2	363.1	363.1	362.2	360.0	356.4	355.5	351.9	346.5	341.1	335.7
7.5°	401.3	400.8	398.1	396.3	392.3	387.4	382.9	377.9	369.9	362.7	355.0
10°	433.1	434.5	432.3	427.8	422.4	415.6	408.5	399.9	387.8	377.0	367.2
12.5°	478.0	477.6	471.7	464.1	451.1	438.5	427.3	417.9	403.1	390.1	377.9
15°	544.5	543.6	538.2	531.4	512.6	493.7	474.4	448.0	423.3	401.7	384.7
17.5°	574.5	576.3	571.8	568.3	557.5	544.9	527.9	501.4	463.2	424.2	388.3
20°	586.2	588.5	585.3	584.9	579.9	574.1	560.2	531.4	494.2	448.0	403.5
22.5°	585.8	587.6	586.2	592.0	597.9	594.7	577.7	549.0	510.8	466.4	416.1
25°	588.0	586.7	581.7	590.2	598.8	596.1	587.6	562.9	521.1	471.3	420.6
27.5°	598.3	588.5	578.6	589.4	593.4	594.3	589.4	560.2	519.3	465.9	411.6
30°	604.2	593.4	585.3	594.3	594.3	599.2	588.9	555.7	504.1	447.5	387.8
32.5°	593.4	591.1	598.3	607.3	609.5	609.5	586.7	540.9	478.5	409.8	349.7
35°	580.4	585.8	606.4	610.4	610.4	600.6	572.7	514.8	440.3	364.5	321.4
37.5°	579.0	587.6	610.4	605.5	597.4	579.0	538.6	469.5	386.0	338.9	300.3
40°	588.0	596.1	609.5	591.6	572.3	543.6	495.1	410.3	353.3	317.8	274.7
42.5°	582.6	590.2	590.7	564.2	536.8	497.8	433.6	362.2	329.5	290.9	245.5
45°	542.2	543.1	541.3	513.0	484.8	444.4	376.1	338.4	303.4	259.0	180.4
47.5°	409.8	408.0	414.7	406.7	408.0	383.8	341.6	310.6	268.9	181.8	54.8
50°	360.9	358.6	351.9	344.7	337.5	325.9	306.1	272.9	193.9	57.0	1.8
52.5°	193.5	204.2	225.3	257.6	269.8	268.9	254.1	202.0	61.0	0.4	0.0
55°	62.8	61.9	69.1	81.7	112.2	129.3	134.7	68.7	1.3	0.0	0.0
57.5°	0.0	0.0	0.0	1.3	4.5	11.7	15.3	0.9	0.0	0.4	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
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: P1313151

CATALOG NUMBER: P3SQAS05R609730DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3
2.5°	293.6	287.3	280.1	254.5	224.4	195.3	174.2	168.8
5°	327.2	316.4	301.2	250.9	185.4	129.3	92.5	83.0
7.5°	344.7	335.3	319.1	243.7	143.6	63.7	23.8	16.2
10°	355.5	344.3	326.3	230.3	93.8	15.3	8.5	9.0
12.5°	363.1	350.1	329.9	211.0	47.6	7.6	10.8	11.2
15°	366.3	352.4	329.5	187.2	17.1	9.9	9.4	8.1
17.5°	364.5	347.0	323.6	153.1	5.8	9.4	4.9	4.0
20°	362.2	342.5	314.2	122.1	4.9	5.4	1.8	0.9
22.5°	369.4	334.8	301.2	87.5	4.9	1.8	0.0	0.0
25°	370.3	331.7	284.6	57.9	2.2	0.4	0.0	0.0
27.5°	361.3	313.3	259.0	34.1	0.0	0.0	0.0	0.0
30°	332.6	290.4	231.6	15.3	0.0	0.0	0.0	0.0
32.5°	304.3	264.8	201.1	3.6	0.0	0.0	0.0	0.0
35°	281.9	238.3	167.4	0.0	0.0	0.0	0.0	0.0
37.5°	254.1	206.9	124.8	0.0	0.0	0.0	0.0	0.0
40°	224.9	167.0	62.4	0.0	0.0	0.0	0.0	0.0
42.5°	175.5	79.4	6.3	0.0	0.0	0.0	0.0	0.0
45°	67.3	7.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	3.6	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°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0
65°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0
67.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
70°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
72.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
75°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
77.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
82.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)