

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: P1316161

Luminaire Tested: P3SQAS09R609827DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316161
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: P3SQAS09R609827DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

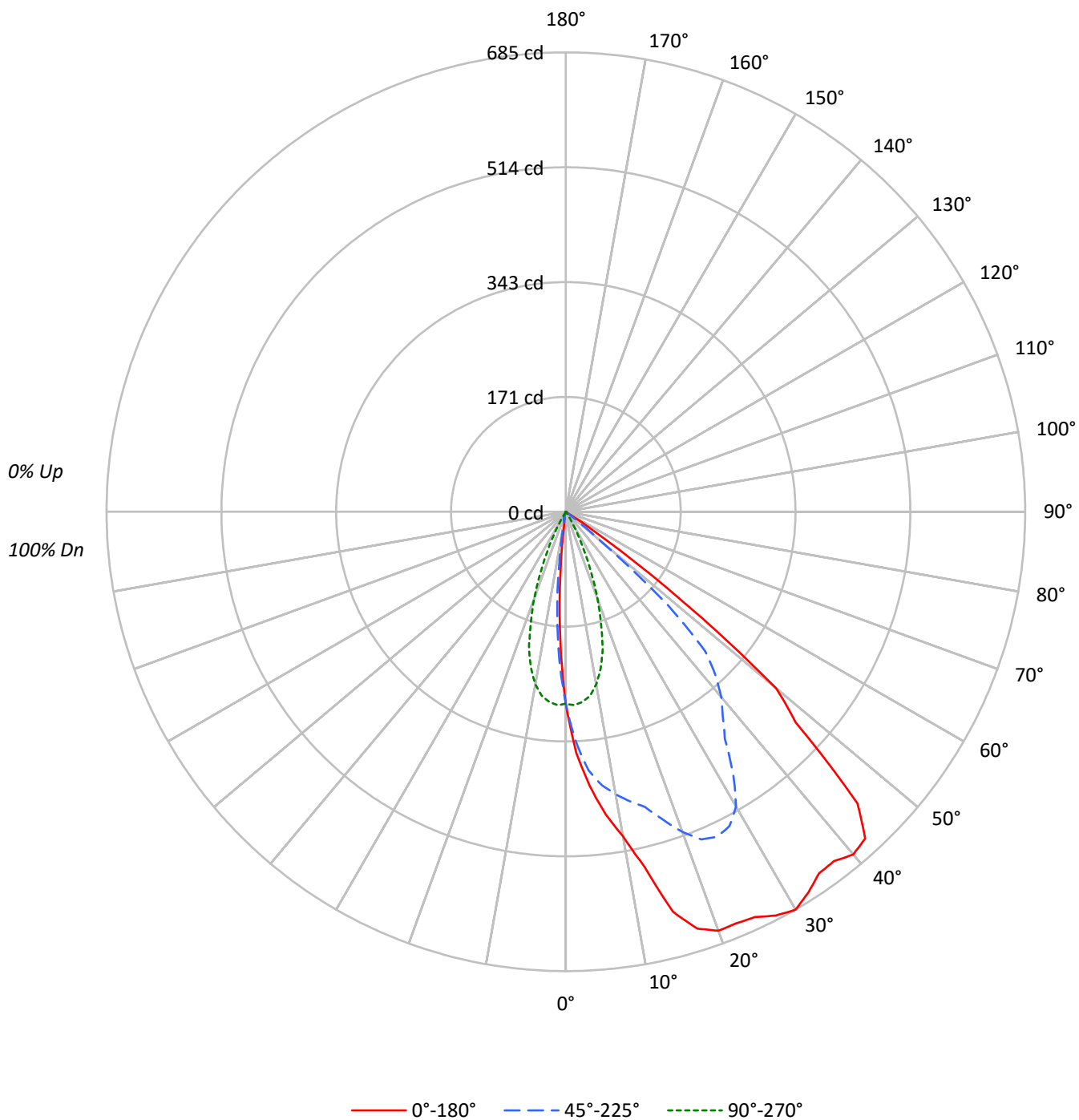
Lumens per Lamp: N/A
Luminaire Lumens: 465.0 lumens
Efficiency: N/A
Efficacy: 42.3 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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: P1316161

CATALOG NUMBER: P3SQAS09R609827DE010 E3SQCA301MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1316161

CATALOG NUMBER: P3SQAS09R609827DE010 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°	49273	49273	49273	49273	49273
5°	71019	66887	49202	25344	16285
10°	85918	74778	45679	3025	1784
15°	110099	81233	37853	1997	1640
20°	121842	93122	25384	1118	183
25°	126729	101569	12485	95	0
30°	136263	100924	3440	0	0
35°	138383	86915	0	0	0
40°	149933	81025	0	0	0
45°	149789	71533	0	0	0
50°	109664	17335	0	0	0
55°	21409	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: 150033 cd/sqm

TEST NUMBER: P1316161

CATALOG NUMBER: P3SQAS09R609827DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.6	5.3
10°-20°	70.0	15.0
20°-30°	111.5	24.0
30°-40°	128.9	27.7
40°-50°	102.4	22.0
50°-60°	26.9	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°	206.0	44.3
0°-40°	334.9	72.0
0°-60°	464.2	99.8
0°-90°	465.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	465.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	286	286	286	286	286	
5°	411	387	285	147	94	41
15°	618	456	212	11	9	172
25°	667	534	66	0	0	311
35°	658	413	0	0	0	418
45°	615	294	0	0	0	438
55°	71	0	0	0	0	107
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: P1316161

CATALOG NUMBER: P3SQAS09R609827DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	286.1	286.1	286.1	286.1	286.1	286.1	286.1	286.1	286.1	286.1	286.1
2.5°	359.9	363.5	361.9	360.4	356.9	355.3	355.3	351.3	344.6	343.6	339.0
5°	410.8	411.8	411.8	410.8	408.3	404.2	403.2	399.1	393.0	386.9	380.8
7.5°	455.1	454.6	451.5	449.5	444.9	439.3	434.2	428.6	419.5	411.3	402.7
10°	491.3	492.8	490.2	485.1	479.0	471.4	463.3	453.6	439.8	427.6	416.4
12.5°	542.2	541.7	535.0	526.4	511.6	497.4	484.6	473.9	457.1	442.4	428.6
15°	617.5	616.5	610.4	602.7	581.4	560.0	538.1	508.1	480.1	455.6	436.3
17.5°	651.6	653.6	648.6	644.5	632.3	618.0	598.7	568.6	525.4	481.1	440.3
20°	664.8	667.4	663.8	663.3	657.7	651.1	635.3	602.7	560.5	508.1	457.7
22.5°	664.3	666.4	664.8	671.5	678.1	674.5	655.2	622.6	579.3	528.9	471.9
25°	666.9	665.4	659.8	669.4	679.1	676.0	666.4	638.4	591.0	534.5	477.0
27.5°	678.6	667.4	656.2	668.4	673.0	674.0	668.4	635.3	589.0	528.4	466.8
30°	685.2	673.0	663.8	674.0	674.0	679.6	667.9	630.2	571.7	507.5	439.8
32.5°	673.0	670.4	678.6	688.8	691.3	691.3	665.4	613.4	542.7	464.8	396.6
35°	658.2	664.3	687.8	692.3	692.3	681.1	649.6	583.9	499.4	413.4	364.5
37.5°	656.7	666.4	692.3	686.7	677.6	656.7	610.9	532.5	437.8	384.3	340.6
40°	666.9	676.0	691.3	671.0	649.1	616.5	561.5	465.3	400.6	360.4	311.6
42.5°	660.8	669.4	669.9	639.9	608.8	564.6	491.8	410.8	373.7	329.9	278.5
45°	615.0	616.0	613.9	581.9	549.8	504.0	426.6	383.8	344.1	293.7	204.6
47.5°	464.8	462.7	470.4	461.2	462.7	435.3	387.4	352.3	304.9	206.2	62.1
50°	409.3	406.7	399.1	391.0	382.8	369.6	347.2	309.5	219.9	64.7	2.0
52.5°	219.4	231.6	255.6	292.2	306.0	304.9	288.1	229.1	69.2	0.5	0.0
55°	71.3	70.3	78.4	92.7	127.3	146.6	152.7	77.9	1.5	0.0	0.0
57.5°	0.0	0.0	0.0	1.5	5.1	13.2	17.3	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: P1316161

CATALOG NUMBER: P3SQAS09R609827DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	286.1	286.1	286.1	286.1	286.1	286.1	286.1	286.1
2.5°	332.9	325.8	317.7	288.6	254.5	221.4	197.5	191.4
5°	371.1	358.9	341.6	284.6	210.2	146.6	104.9	94.2
7.5°	391.0	380.3	361.9	276.4	162.9	72.3	27.0	18.3
10°	403.2	390.5	370.1	261.2	106.4	17.3	9.7	10.2
12.5°	411.8	397.1	374.2	239.3	54.0	8.7	12.2	12.7
15°	415.4	399.6	373.7	212.3	19.3	11.2	10.7	9.2
17.5°	413.4	393.5	367.0	173.6	6.6	10.7	5.6	4.6
20°	410.8	388.4	356.3	138.5	5.6	6.1	2.0	1.0
22.5°	419.0	379.8	341.6	99.3	5.6	2.0	0.0	0.0
25°	420.0	376.2	322.8	65.7	2.5	0.5	0.0	0.0
27.5°	409.8	355.3	293.7	38.7	0.0	0.0	0.0	0.0
30°	377.2	329.4	262.7	17.3	0.0	0.0	0.0	0.0
32.5°	345.1	300.4	228.1	4.1	0.0	0.0	0.0	0.0
35°	319.7	270.3	189.9	0.0	0.0	0.0	0.0	0.0
37.5°	288.1	234.7	141.5	0.0	0.0	0.0	0.0	0.0
40°	255.0	189.4	70.8	0.0	0.0	0.0	0.0	0.0
42.5°	199.0	90.1	7.1	0.0	0.0	0.0	0.0	0.0
45°	76.4	8.1	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	4.1	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)