

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: P1306621

Luminaire Tested: P3SQAS05R559027DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306621
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R559027DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

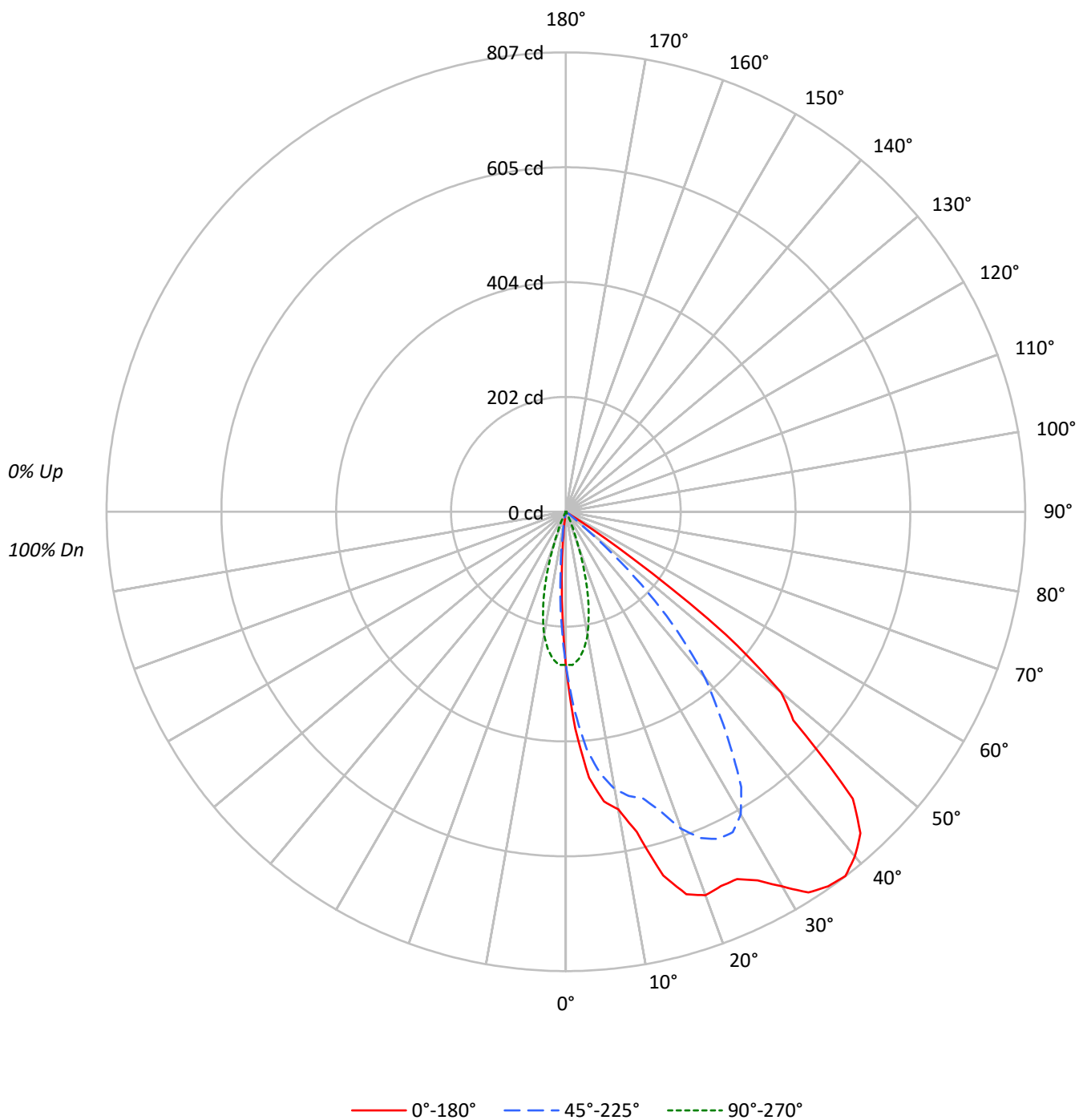
Lumens per Lamp: N/A
Luminaire Lumens: 497.0 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1306621

CATALOG NUMBER: P3SQAS05R559027DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1306621

CATALOG NUMBER: P3SQAS05R559027DE010 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	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82		
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	46259	46259	46259	46259	46259
5°	81064	72264	44897	18654	10736
10°	92791	86495	38386	2046	734
15°	117926	92858	26317	410	250
20°	131390	108627	11565	0	0
25°	135261	120534	3287	0	0
30°	151118	122143	457	0	0
35°	168890	106048	0	0	0
40°	177676	85364	0	0	0
45°	173707	53924	0	0	0
50°	132277	11012	0	0	0
55°	43328	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	893	496	0
85°	0	988	988	988	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 173707 cd/sqm

TEST NUMBER: P1306621

CATALOG NUMBER: P3SQAS05R559027DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.5	4.9
10°-20°	71.9	14.5
20°-30°	116.9	23.5
30°-40°	139.0	28.0
40°-50°	113.7	22.9
50°-60°	30.1	6.1
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.4	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°	213.4	42.9
0°-40°	352.4	70.9
0°-60°	496.2	99.8
0°-90°	497.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	497.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	269	269	269	269	269	
5°	469	418	260	108	62	46
15°	661	521	148	2	1	185
25°	712	634	17	0	0	335
35°	803	504	0	0	0	499
45°	713	221	0	0	0	512
55°	144	0	0	0	0	162
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: P1306621

CATALOG NUMBER: P3SQAS05R559027DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6
2.5°	381.1	378.3	378.8	377.4	378.8	372.7	366.2	360.1	355.4	348.9	309.2
5°	468.9	464.3	462.9	461.0	459.1	451.6	445.6	438.1	429.2	418.0	345.2
7.5°	513.3	509.6	507.7	508.6	504.4	501.6	493.7	485.3	475.9	463.8	372.2
10°	530.6	526.8	526.4	525.9	525.4	523.6	519.8	512.4	504.0	494.6	387.7
12.5°	575.9	567.5	561.9	555.3	547.4	537.1	528.7	522.2	518.9	511.4	394.7
15°	661.4	653.4	647.3	638.9	624.0	602.0	582.0	556.3	533.8	520.8	391.9
17.5°	704.3	700.6	695.4	689.8	679.6	663.7	643.1	616.0	587.6	550.7	378.3
20°	716.9	715.1	711.3	709.0	702.0	690.8	676.8	655.7	629.1	592.7	357.3
22.5°	711.8	713.2	715.1	721.1	722.1	714.1	701.1	681.0	653.9	620.3	325.1
25°	711.8	710.9	710.9	723.5	731.4	727.7	718.3	700.1	672.6	634.3	285.4
27.5°	730.0	724.4	712.7	725.8	738.9	737.5	729.1	707.6	676.8	634.7	236.8
30°	759.9	747.8	728.6	740.8	752.9	747.8	734.2	706.7	667.4	614.2	177.5
32.5°	793.1	787.5	777.6	785.6	783.7	763.2	738.9	700.6	648.3	573.1	119.6
35°	803.3	804.3	797.7	796.3	785.6	764.6	738.9	683.3	608.1	504.4	71.0
37.5°	806.6	807.1	796.8	783.7	767.8	743.1	712.3	647.8	533.8	438.1	37.8
40°	790.3	789.8	773.0	757.1	739.3	715.1	670.2	573.1	463.3	379.7	13.5
42.5°	766.0	759.9	744.0	724.4	702.9	672.6	602.5	483.9	402.6	304.1	0.9
45°	713.2	707.6	695.0	674.0	650.1	607.2	496.5	415.7	327.4	221.4	0.0
47.5°	542.3	539.4	552.5	555.3	554.9	505.8	414.3	339.1	240.5	128.9	0.0
50°	493.7	489.9	476.9	460.1	430.2	389.1	332.1	251.3	141.1	41.1	0.0
52.5°	354.5	366.6	369.4	356.8	328.8	288.2	228.9	144.8	49.0	0.0	0.0
55°	144.3	136.8	142.5	149.5	155.1	142.5	105.6	51.4	0.5	0.0	0.0
57.5°	0.0	0.5	2.8	6.5	10.7	13.5	14.5	0.9	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
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	0.5	0.0	0.5	0.5	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	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	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.9
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	0.0	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: P1306621

CATALOG NUMBER: P3SQAS05R559027DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	268.6	268.6	268.6	268.6	268.6
2.5°	269.5	227.9	187.8	165.8	155.1
5°	259.7	174.2	107.9	74.7	62.1
7.5°	243.3	119.6	43.0	17.7	12.6
10°	219.5	68.7	11.7	4.7	4.2
12.5°	185.4	31.3	4.2	3.3	3.3
15°	147.6	10.7	2.3	1.9	1.4
17.5°	103.7	2.8	0.9	0.0	0.0
20°	63.1	0.5	0.0	0.0	0.0
22.5°	35.0	0.0	0.0	0.0	0.0
25°	17.3	0.0	0.0	0.0	0.0
27.5°	7.5	0.0	0.0	0.0	0.0
30°	2.3	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.5	0.0	0.0	0.0	0.0
65°	0.5	0.5	0.0	0.0	0.0
67.5°	0.5	0.5	0.0	0.0	0.0
70°	0.5	0.5	0.0	0.0	0.0
72.5°	0.5	0.5	0.0	0.0	0.0
75°	0.5	0.5	0.0	0.0	0.0
77.5°	0.9	0.5	0.5	0.0	0.0
80°	0.9	0.5	0.5	0.0	0.0
82.5°	0.9	0.5	0.5	0.0	0.0
85°	0.5	0.5	0.5	0.0	0.0
87.5°	0.9	0.5	0.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)