

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: P1309974

Luminaire Tested: P3SQAS05R559040DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309974
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: P3SQAS05R559040DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

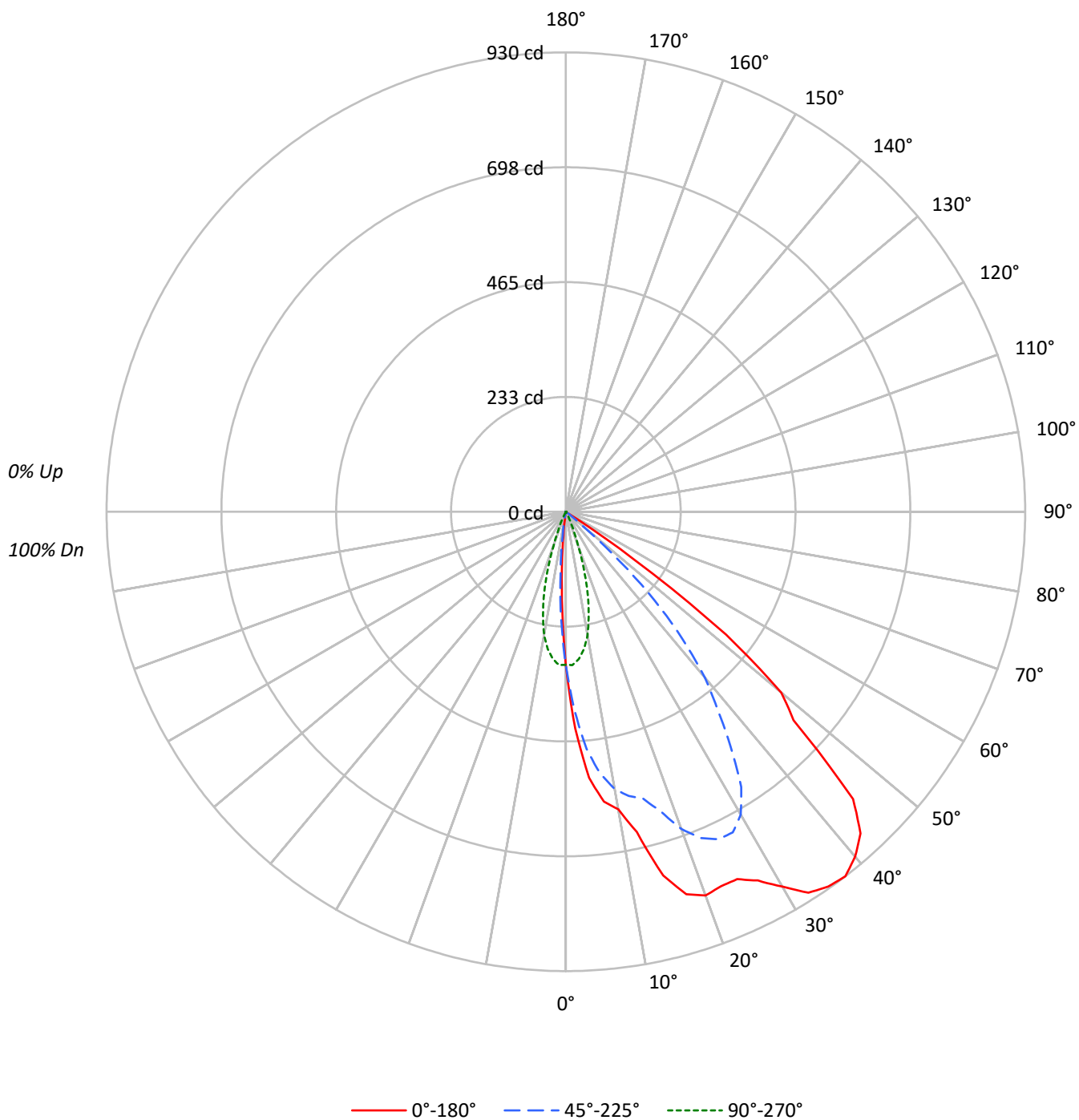
Lumens per Lamp: N/A
Luminaire Lumens: 573.0 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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	91	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°	53320	53320	53320	53320	53320
5°	93459	83311	51760	21506	12378
10°	106974	99716	44262	2361	839
15°	135952	107050	30346	481	285
20°	151496	125232	13324	0	0
25°	155936	138966	3782	0	0
30°	174226	140817	537	0	0
35°	194729	122279	0	0	0
40°	204834	98426	0	0	0
45°	200279	62156	0	0	0
50°	152506	12700	0	0	0
55°	49963	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	1091	496	0
85°	0	988	988	988	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 200279 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.3	4.9
10°-20°	82.9	14.5
20°-30°	134.8	23.5
30°-40°	160.2	28.0
40°-50°	131.0	22.9
50°-60°	34.7	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°	246.0	42.9
0°-40°	406.3	70.9
0°-60°	572.0	99.8
0°-90°	573.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	573.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	310	310	310	310	310	
5°	541	482	299	124	72	53
15°	762	600	170	3	2	213
25°	821	731	20	0	0	386
35°	926	582	0	0	0	576
45°	822	255	0	0	0	590
55°	166	0	0	0	0	187
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	309.6	309.6	309.6	309.6	309.6	309.6	309.6	309.6	309.6	309.6	309.6
2.5°	439.4	436.2	436.7	435.1	436.7	429.7	422.2	415.2	409.8	402.2	356.5
5°	540.6	535.2	533.6	531.5	529.3	520.7	513.7	505.1	494.9	481.9	397.9
7.5°	591.8	587.5	585.3	586.4	581.6	578.3	569.2	559.5	548.7	534.7	429.2
10°	611.7	607.4	606.9	606.3	605.8	603.6	599.3	590.7	581.0	570.2	446.9
12.5°	663.9	654.2	647.8	640.2	631.1	619.2	609.6	602.0	598.2	589.6	455.0
15°	762.5	753.3	746.3	736.6	719.4	694.1	670.9	641.3	615.5	600.4	451.8
17.5°	812.0	807.7	801.8	795.3	783.5	765.2	741.5	710.3	677.4	634.9	436.2
20°	826.6	824.4	820.1	817.4	809.3	796.4	780.3	756.0	725.3	683.3	411.9
22.5°	820.6	822.3	824.4	831.4	832.5	823.3	808.3	785.1	753.9	715.1	374.8
25°	820.6	819.6	819.6	834.1	843.3	838.9	828.2	807.2	775.4	731.3	329.0
27.5°	841.6	835.2	821.7	836.8	851.9	850.3	840.6	815.8	780.3	731.8	273.0
30°	876.1	862.1	840.0	854.0	868.0	862.1	846.5	814.7	769.5	708.1	204.6
32.5°	914.3	907.9	896.6	905.7	903.6	879.9	851.9	807.7	747.4	660.7	137.9
35°	926.2	927.3	919.7	918.1	905.7	881.5	851.9	787.8	701.1	581.6	81.8
37.5°	929.9	930.5	918.6	903.6	885.3	856.7	821.2	746.9	615.5	505.1	43.6
40°	911.1	910.6	891.2	872.9	852.4	824.4	772.7	660.7	534.2	437.8	15.6
42.5°	883.1	876.1	857.8	835.2	810.4	775.4	694.6	557.9	464.2	350.5	1.1
45°	822.3	815.8	801.3	777.0	749.6	700.0	572.4	479.2	377.5	255.2	0.0
47.5°	625.2	621.9	637.0	640.2	639.7	583.2	477.6	390.9	277.3	148.6	0.0
50°	569.2	564.9	549.8	530.4	495.9	448.6	382.9	289.7	162.6	47.4	0.0
52.5°	408.7	422.7	425.9	411.4	379.1	332.2	263.9	166.9	56.5	0.0	0.0
55°	166.4	157.8	164.2	172.3	178.8	164.2	121.7	59.2	0.5	0.0	0.0
57.5°	0.0	0.5	3.2	7.5	12.4	15.6	16.7	1.1	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	1.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.1
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



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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	309.6	309.6	309.6	309.6	309.6
2.5°	310.7	262.8	216.5	191.2	178.8
5°	299.4	200.9	124.4	86.2	71.6
7.5°	280.5	137.9	49.5	20.5	14.5
10°	253.1	79.2	13.5	5.4	4.8
12.5°	213.8	36.1	4.8	3.8	3.8
15°	170.2	12.4	2.7	2.2	1.6
17.5°	119.5	3.2	1.1	0.0	0.0
20°	72.7	0.5	0.0	0.0	0.0
22.5°	40.4	0.0	0.0	0.0	0.0
25°	19.9	0.0	0.0	0.0	0.0
27.5°	8.6	0.0	0.0	0.0	0.0
30°	2.7	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°	1.1	0.5	0.5	0.0	0.0
80°	1.1	0.5	0.5	0.0	0.0
82.5°	1.1	0.5	0.5	0.0	0.0
85°	0.5	0.5	0.5	0.0	0.0
87.5°	1.1	0.5	0.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)