

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: P1305649

Luminaire Tested: P3SQASS05R559024DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305649
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: P3SQASS05R559024DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

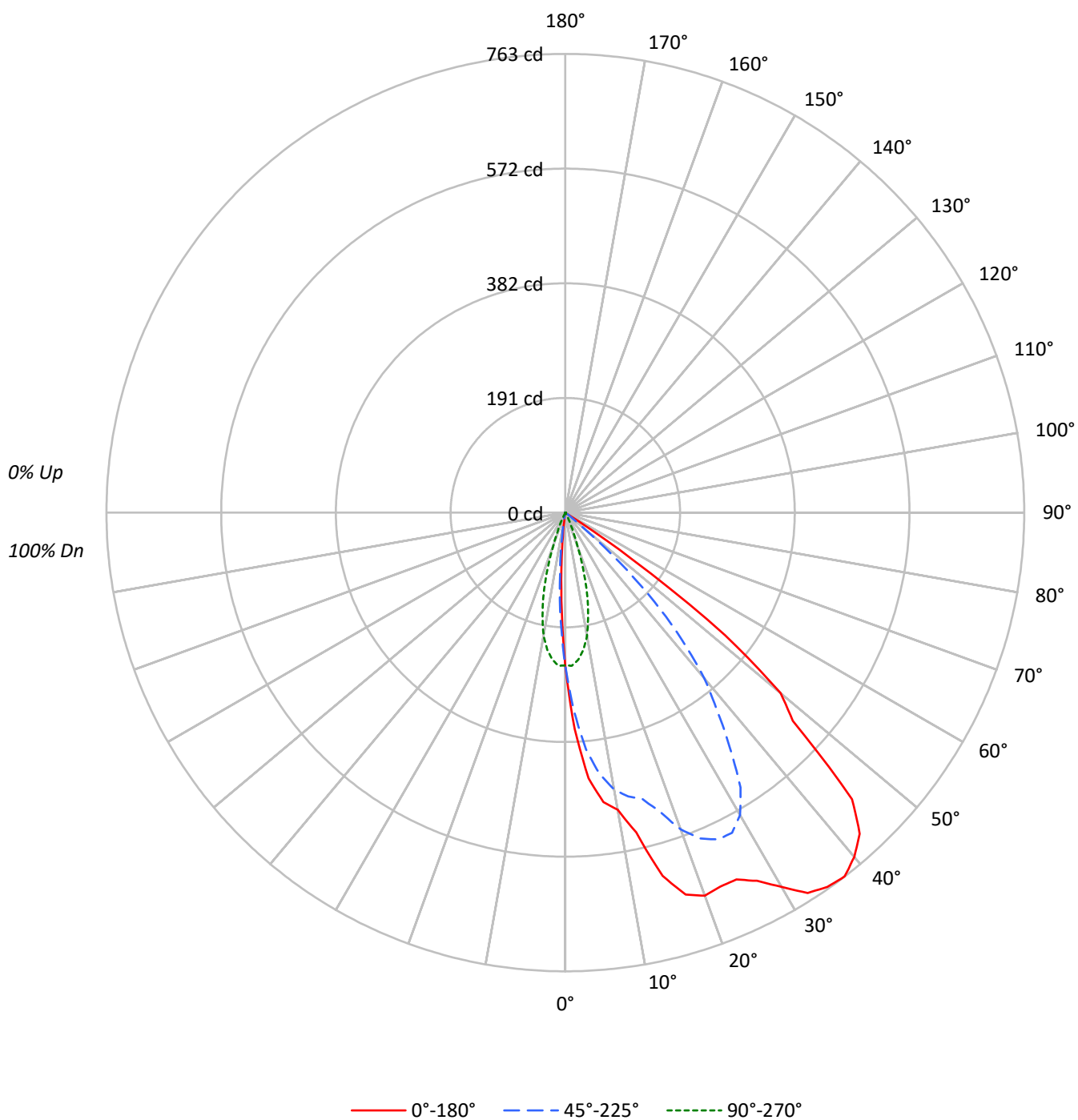
Lumens per Lamp: N/A
Luminaire Lumens: 469.9 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
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	83	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°	43745	43745	43745	43745	43745
5°	76655	68340	42459	17634	10148
10°	87755	81791	36305	1924	700
15°	111508	87812	24890	392	232
20°	124261	102726	10923	0	0
25°	127907	113978	3097	0	0
30°	142905	115501	438	0	0
35°	159723	100287	0	0	0
40°	168009	80733	0	0	0
45°	164257	51001	0	0	0
50°	125097	10423	0	0	0
55°	40986	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	893	397	0
85°	0	790	790	790	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 164257 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.2	4.9
10°-20°	68.0	14.5
20°-30°	110.6	23.5
30°-40°	131.4	28.0
40°-50°	107.5	22.9
50°-60°	28.5	6.1
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°	201.8	42.9
0°-40°	333.2	70.9
0°-60°	469.2	99.8
0°-90°	469.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	469.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	254	254	254	254	254	
5°	443	395	246	102	59	43
15°	625	492	140	2	1	175
25°	673	600	16	0	0	317
35°	760	477	0	0	0	472
45°	674	209	0	0	0	484
55°	136	0	0	0	0	153
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°	254.0	254.0	254.0	254.0	254.0	254.0	254.0	254.0	254.0	254.0	254.0
2.5°	360.4	357.8	358.2	356.9	358.2	352.5	346.3	340.5	336.1	329.9	292.4
5°	443.4	439.0	437.7	435.9	434.2	427.1	421.4	414.3	405.9	395.3	326.4
7.5°	485.4	481.9	480.1	481.0	477.0	474.4	466.9	458.9	450.1	438.6	352.0
10°	501.8	498.2	497.8	497.3	496.9	495.1	491.6	484.5	476.6	467.7	366.6
12.5°	544.6	536.6	531.3	525.2	517.7	507.9	500.0	493.8	490.7	483.6	373.2
15°	625.4	617.9	612.2	604.2	590.1	569.3	550.3	526.0	504.8	492.5	370.6
17.5°	666.1	662.5	657.7	652.4	642.6	627.6	608.2	582.6	555.6	520.7	357.8
20°	678.0	676.2	672.7	670.5	663.8	653.2	640.0	620.1	594.9	560.5	337.9
22.5°	673.1	674.4	676.2	682.0	682.8	675.3	663.0	644.0	618.4	586.6	307.4
25°	673.1	672.2	672.2	684.2	691.7	688.1	679.3	662.1	636.0	599.8	269.9
27.5°	690.4	685.0	674.0	686.4	698.7	697.4	689.5	669.1	640.0	600.2	223.9
30°	718.6	707.1	689.0	700.5	712.0	707.1	694.3	668.3	631.2	580.8	167.8
32.5°	750.0	744.7	735.4	742.9	741.1	721.7	698.7	662.5	613.1	541.9	113.1
35°	759.7	760.6	754.4	753.1	742.9	723.0	698.7	646.2	575.1	477.0	67.1
37.5°	762.8	763.2	753.5	741.1	726.1	702.7	673.6	612.6	504.8	414.3	35.8
40°	747.3	746.9	731.0	716.0	699.2	676.2	633.8	541.9	438.1	359.1	12.8
42.5°	724.4	718.6	703.6	685.0	664.7	636.0	569.8	457.6	380.7	287.5	0.9
45°	674.4	669.1	657.2	637.3	614.8	574.2	469.5	393.1	309.6	209.4	0.0
47.5°	512.8	510.1	522.5	525.2	524.7	478.3	391.8	320.7	227.5	121.9	0.0
50°	466.9	463.3	451.0	435.1	406.8	367.9	314.0	237.6	133.4	38.9	0.0
52.5°	335.2	346.7	349.4	337.4	310.9	272.5	216.4	136.9	46.4	0.0	0.0
55°	136.5	129.4	134.7	141.3	146.6	134.7	99.8	48.6	0.4	0.0	0.0
57.5°	0.0	0.4	2.7	6.2	10.2	12.8	13.7	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	0.4
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	0.4	0.0	0.4	0.4	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	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	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.9
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	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	254.0	254.0	254.0	254.0	254.0
2.5°	254.9	215.5	177.6	156.8	146.6
5°	245.6	164.7	102.0	70.7	58.7
7.5°	230.1	113.1	40.6	16.8	11.9
10°	207.6	64.9	11.0	4.4	4.0
12.5°	175.3	29.6	4.0	3.1	3.1
15°	139.6	10.2	2.2	1.8	1.3
17.5°	98.1	2.7	0.9	0.0	0.0
20°	59.6	0.4	0.0	0.0	0.0
22.5°	33.1	0.0	0.0	0.0	0.0
25°	16.3	0.0	0.0	0.0	0.0
27.5°	7.1	0.0	0.0	0.0	0.0
30°	2.2	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°	0.4	0.0	0.0	0.0	0.0
65°	0.4	0.4	0.0	0.0	0.0
67.5°	0.4	0.4	0.0	0.0	0.0
70°	0.4	0.4	0.0	0.0	0.0
72.5°	0.4	0.4	0.0	0.0	0.0
75°	0.4	0.4	0.0	0.0	0.0
77.5°	0.9	0.4	0.4	0.0	0.0
80°	0.9	0.4	0.4	0.0	0.0
82.5°	0.9	0.4	0.4	0.0	0.0
85°	0.4	0.4	0.4	0.0	0.0
87.5°	0.9	0.4	0.4	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)