

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: P1305657

Luminaire Tested: P3SQASS05R609024DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305657
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: P3SQASS05R609024DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R60 optic, 2400K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

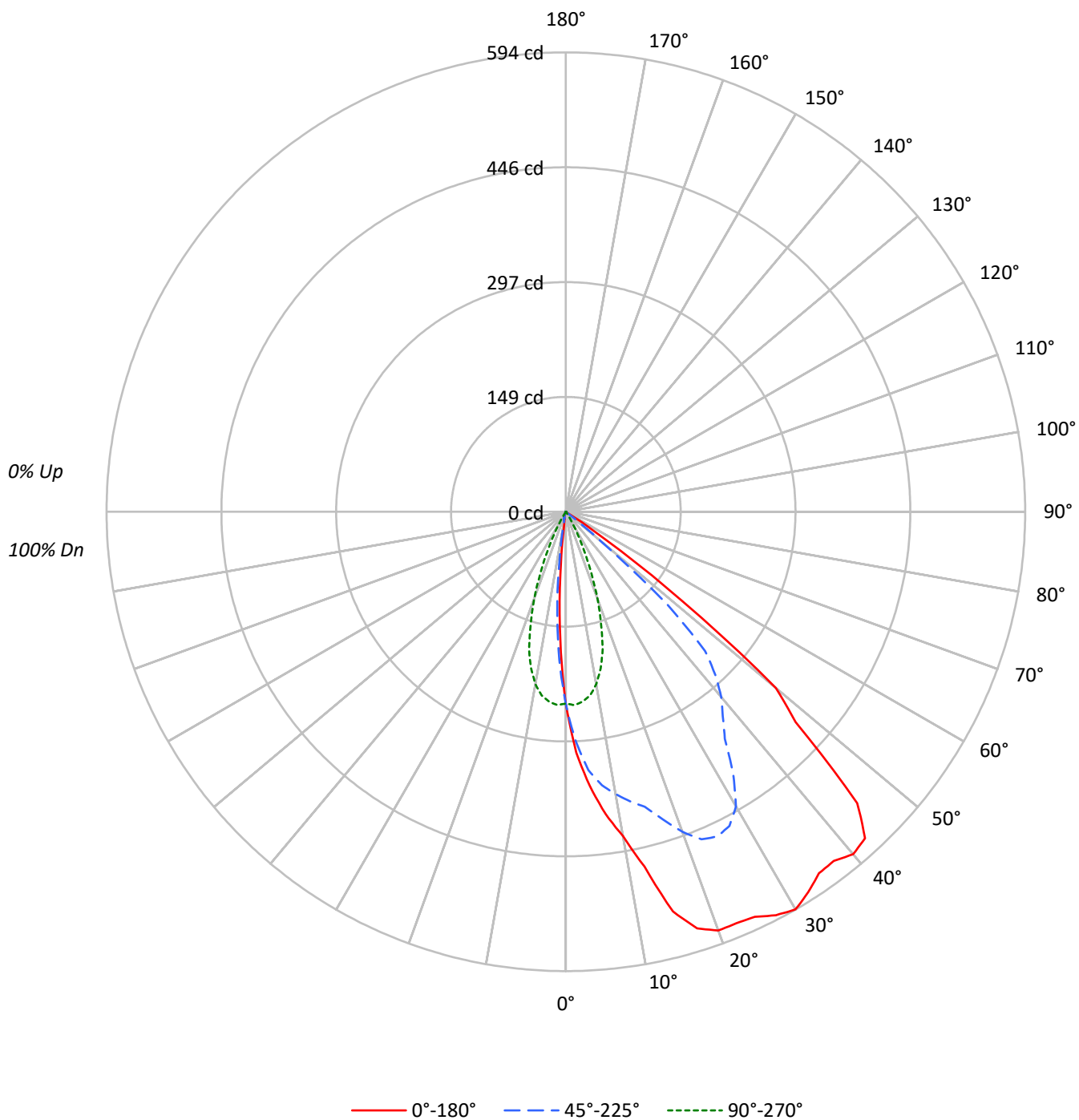
Lumens per Lamp: N/A
Luminaire Lumens: 402.9 lumens
Efficiency: N/A
Efficacy: 56.0 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	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°	42711	42711	42711	42711	42711
5°	61545	57967	42632	21973	14107
10°	74464	64810	39575	2623	1539
15°	95425	70410	32807	1729	1409
20°	105603	80696	21993	971	165
25°	109835	88039	10813	76	0
30°	118086	87481	2983	0	0
35°	119945	75310	0	0	0
40°	129946	70234	0	0	0
45°	129817	62010	0	0	0
50°	95035	15004	0	0	0
55°	18556	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: 130012 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.3	5.3
10°-20°	60.6	15.1
20°-30°	96.6	24.0
30°-40°	111.7	27.7
40°-50°	88.7	22.0
50°-60°	23.3	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°	178.6	44.3
0°-40°	290.3	72.0
0°-60°	402.3	99.8
0°-90°	402.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	402.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	248	248	248	248	248	
5°	356	335	247	127	82	36
15°	535	395	184	10	8	149
25°	578	463	57	0	0	270
35°	570	358	0	0	0	362
45°	533	255	0	0	0	380
55°	62	0	0	0	0	93
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°	50°
0°	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0
2.5°	311.9	315.0	313.7	312.4	309.3	308.0	308.0	304.4	298.7	297.8	293.8
5°	356.0	356.9	356.9	356.0	353.8	350.3	349.4	345.9	340.6	335.3	330.0
7.5°	394.4	394.0	391.3	389.6	385.6	380.8	376.3	371.5	363.5	356.5	349.0
10°	425.8	427.1	424.9	420.5	415.2	408.5	401.5	393.1	381.2	370.6	360.9
12.5°	469.9	469.4	463.7	456.2	443.4	431.0	420.0	410.8	396.2	383.4	371.5
15°	535.2	534.3	529.0	522.4	503.8	485.3	466.3	440.3	416.0	394.9	378.1
17.5°	564.7	566.5	562.1	558.6	548.0	535.6	518.8	492.8	455.3	416.9	381.6
20°	576.2	578.4	575.3	574.9	570.0	564.3	550.6	522.4	485.8	440.3	396.6
22.5°	575.8	577.5	576.2	581.9	587.7	584.6	567.8	539.6	502.1	458.4	409.0
25°	578.0	576.6	571.8	580.2	588.6	585.9	577.5	553.3	512.2	463.3	413.4
27.5°	588.1	578.4	568.7	579.3	583.3	584.1	579.3	550.6	510.5	458.0	404.6
30°	593.8	583.3	575.3	584.1	584.1	589.0	578.8	546.2	495.5	439.9	381.2
32.5°	583.3	581.1	588.1	596.9	599.1	599.1	576.6	531.6	470.3	402.8	343.7
35°	570.5	575.8	596.1	600.0	600.0	590.3	563.0	506.1	432.8	358.2	315.9
37.5°	569.1	577.5	600.0	595.2	587.2	569.1	529.4	461.5	379.4	333.1	295.2
40°	578.0	585.9	599.1	581.5	562.5	534.3	486.6	403.3	347.2	312.4	270.0
42.5°	572.7	580.2	580.6	554.6	527.7	489.3	426.2	356.0	323.8	285.9	241.3
45°	533.0	533.8	532.1	504.3	476.5	436.8	369.7	332.7	298.2	254.6	177.4
47.5°	402.8	401.0	407.7	399.7	401.0	377.2	335.7	305.3	264.3	178.7	53.8
50°	354.7	352.5	345.9	338.8	331.8	320.3	300.9	268.2	190.6	56.0	1.8
52.5°	190.2	200.7	221.5	253.2	265.2	264.3	249.7	198.5	60.0	0.4	0.0
55°	61.8	60.9	67.9	80.3	110.3	127.1	132.4	67.5	1.3	0.0	0.0
57.5°	0.0	0.0	0.0	1.3	4.4	11.5	15.0	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

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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0
2.5°	288.5	282.4	275.3	250.2	220.6	191.9	171.2	165.9
5°	321.6	311.0	296.0	246.6	182.2	127.1	90.9	81.6
7.5°	338.8	329.6	313.7	239.6	141.2	62.6	23.4	15.9
10°	349.4	338.4	320.7	226.3	92.2	15.0	8.4	8.8
12.5°	356.9	344.1	324.3	207.4	46.8	7.5	10.6	11.0
15°	360.0	346.3	323.8	184.0	16.8	9.7	9.3	7.9
17.5°	358.2	341.0	318.1	150.4	5.7	9.3	4.9	4.0
20°	356.0	336.6	308.8	120.0	4.9	5.3	1.8	0.9
22.5°	363.1	329.1	296.0	86.0	4.9	1.8	0.0	0.0
25°	364.0	326.0	279.7	56.9	2.2	0.4	0.0	0.0
27.5°	355.2	308.0	254.6	33.5	0.0	0.0	0.0	0.0
30°	326.9	285.5	227.7	15.0	0.0	0.0	0.0	0.0
32.5°	299.1	260.3	197.7	3.5	0.0	0.0	0.0	0.0
35°	277.1	234.3	164.6	0.0	0.0	0.0	0.0	0.0
37.5°	249.7	203.4	122.7	0.0	0.0	0.0	0.0	0.0
40°	221.0	164.1	61.3	0.0	0.0	0.0	0.0	0.0
42.5°	172.5	78.1	6.2	0.0	0.0	0.0	0.0	0.0
45°	66.2	7.1	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	3.5	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)