

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: P1307282

Luminaire Tested: P3SQAS20R709027D010 E3SQCLSWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307282
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R709027D010 E3SQCLSWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3SQCLSWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

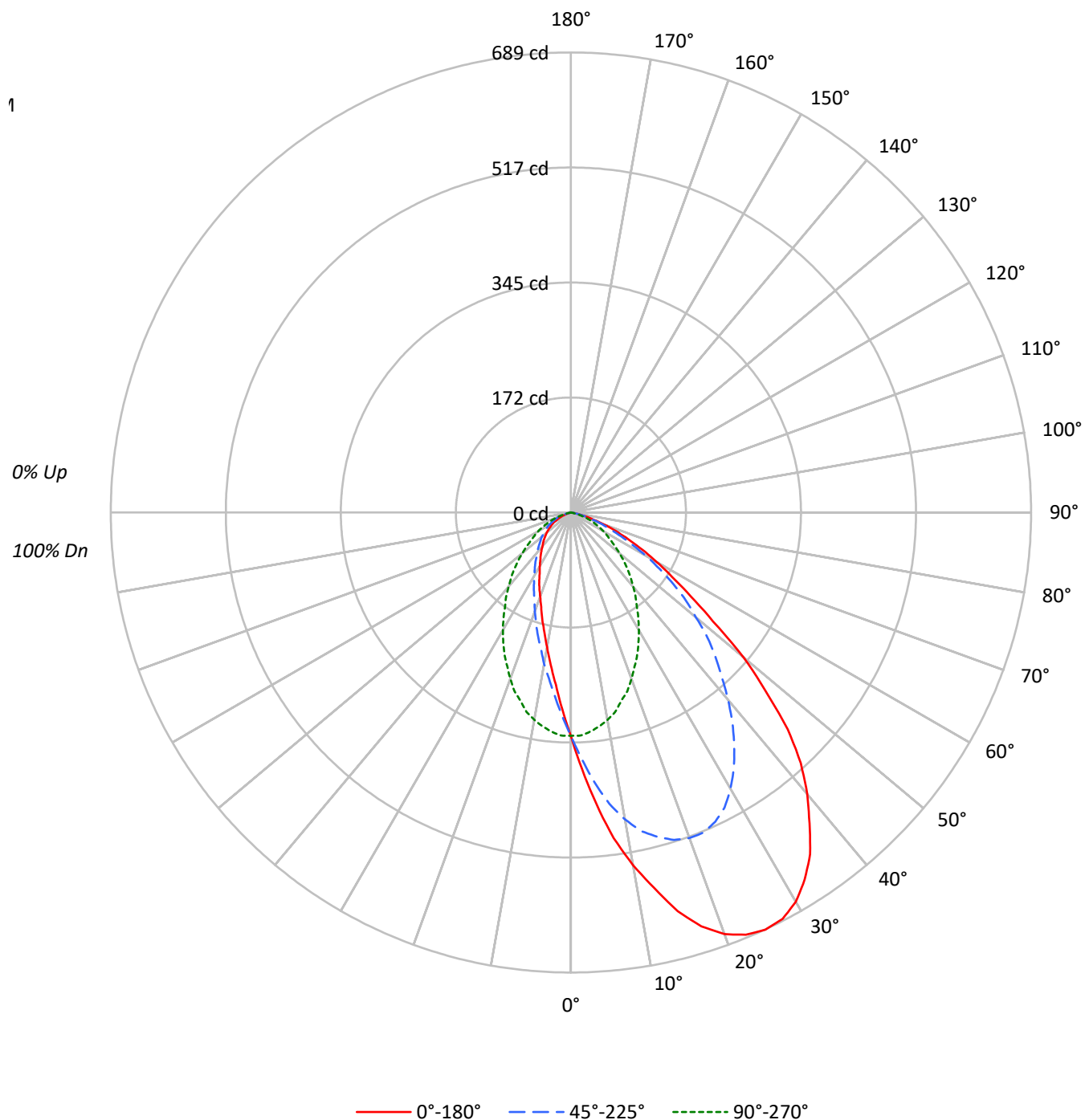
Lumens per Lamp: N/A
Luminaire Lumens: 750.0 lumens
Efficiency: N/A
Efficacy: 26.0 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89		
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77		
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67		
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59		
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52		
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46		
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42		
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38		
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34		
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	57591	57591	57591	57591	57591
5°	75808	70086	56981	47715	44724
10°	93788	81651	55157	40275	35850
15°	110242	89702	52027	34019	29526
20°	123143	95102	48568	28903	24577
25°	130985	97104	44656	24874	21283
30°	133936	95038	40469	21637	18514
35°	131319	89543	36141	19574	16588
40°	123764	82262	32621	17738	14883
45°	111794	74529	29203	16124	13834
50°	90427	65509	25346	15218	12673
55°	65817	56359	21799	14202	11380
60°	51081	44537	19564	13054	10333
65°	38551	32153	16056	11573	7702
70°	26990	23012	11934	8711	4784
75°	15770	13641	6321	4192	1065
80°	3174	4661	1587	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 111794 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.7	4.4
10°-20°	97.5	13.0
20°-30°	146.9	19.6
30°-40°	163.3	21.8
40°-50°	144.8	19.3
50°-60°	98.3	13.1
60°-70°	51.5	6.9
70°-80°	14.6	2.0
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°	277.1	36.9
0°-40°	440.4	58.7
0°-60°	683.4	91.1
0°-90°	750.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	750.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	334	334	334	334	334	
5°	438	405	330	276	259	45
15°	618	503	292	191	166	176
25°	689	511	235	131	112	316
35°	625	426	172	93	79	387
45°	459	306	120	66	57	347
55°	219	188	73	47	38	203
65°	95	79	39	28	19	96
75°	24	20	10	6	2	26
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°	334.4	334.4	334.4	334.4	334.4	334.4	334.4	334.4	334.4	334.4	334.4
2.5°	384.8	383.3	381.7	381.7	380.1	378.5	375.4	375.4	372.2	369.1	365.9
5°	438.5	438.5	438.5	433.7	433.7	427.4	424.3	418.0	411.7	405.4	397.5
7.5°	492.1	492.1	487.4	485.8	481.1	474.7	470.0	460.6	449.5	440.0	427.4
10°	536.3	536.3	531.5	528.4	518.9	512.6	503.1	492.1	481.1	466.9	451.1
12.5°	575.7	577.3	571.0	564.7	555.2	545.7	533.1	518.9	504.7	488.9	468.4
15°	618.3	616.7	608.8	600.9	589.9	575.7	559.9	541.0	522.1	503.1	481.1
17.5°	649.8	648.2	640.4	630.9	616.7	599.4	582.0	559.9	537.8	514.2	487.4
20°	671.9	670.3	662.4	649.8	635.6	616.7	596.2	571.0	547.3	518.9	488.9
22.5°	684.5	682.9	673.5	662.4	645.1	624.6	602.5	575.7	548.9	518.9	485.8
25°	689.3	686.1	676.6	664.0	646.7	624.6	599.4	571.0	542.6	511.0	476.3
27.5°	686.1	682.9	671.9	657.7	638.8	613.5	588.3	559.9	530.0	498.4	462.1
30°	673.5	668.7	659.3	645.1	624.6	599.4	572.5	542.6	511.0	477.9	441.6
32.5°	651.4	648.2	638.8	623.0	602.5	577.3	550.5	518.9	487.4	454.2	418.0
35°	624.6	618.3	608.8	594.6	574.1	548.9	522.1	488.9	459.0	425.9	391.2
37.5°	586.7	585.2	574.1	563.1	542.6	515.8	490.5	459.0	429.0	397.5	362.8
40°	550.5	547.3	537.8	525.2	504.7	481.1	454.2	425.9	395.9	365.9	334.4
42.5°	509.4	504.7	498.4	485.8	466.9	443.2	418.0	389.6	362.8	334.4	306.0
45°	459.0	457.4	449.5	443.2	425.9	405.4	380.1	354.9	328.1	306.0	283.9
47.5°	394.3	392.7	391.2	386.4	377.0	362.8	343.8	320.2	299.7	277.6	247.6
50°	337.5	336.0	332.8	331.2	323.3	315.4	301.3	287.1	269.7	244.5	220.8
52.5°	268.1	269.7	274.4	276.0	274.4	268.1	261.8	257.1	233.4	217.7	195.6
55°	219.2	219.2	217.7	219.2	220.8	224.0	224.0	217.7	201.9	187.7	168.8
57.5°	179.8	179.8	179.8	179.8	179.8	181.4	181.4	179.8	171.9	157.7	140.4
60°	148.3	146.7	146.7	148.3	146.7	146.7	148.3	148.3	140.4	129.3	113.6
62.5°	119.9	119.9	119.9	118.3	118.3	119.9	119.9	118.3	112.0	100.9	89.9
65°	94.6	94.6	94.6	94.6	94.6	96.2	94.6	93.1	86.7	78.9	71.0
67.5°	72.6	72.6	74.1	72.6	74.1	74.1	74.1	71.0	66.2	59.9	55.2
70°	53.6	53.6	53.6	55.2	56.8	56.8	55.2	52.0	48.9	45.7	41.0
72.5°	36.3	37.9	37.9	37.9	39.4	39.4	37.9	36.3	34.7	31.5	30.0
75°	23.7	22.1	23.7	23.7	25.2	25.2	23.7	23.7	22.1	20.5	18.9
77.5°	11.0	11.0	12.6	12.6	12.6	12.6	12.6	12.6	12.6	11.0	11.0
80°	3.2	3.2	3.2	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
82.5°	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	334.4	334.4	334.4	334.4	334.4	334.4	334.4	334.4
2.5°	362.8	358.0	351.7	334.4	318.6	304.4	296.5	294.9
5°	388.0	381.7	365.9	329.6	299.7	276.0	261.8	258.7
7.5°	414.8	402.2	380.1	323.3	280.7	250.8	235.0	230.3
10°	435.3	419.5	389.6	315.4	261.8	230.3	211.4	205.0
12.5°	449.5	430.6	397.5	306.0	246.0	208.2	189.3	183.0
15°	457.4	436.9	399.0	291.8	227.1	190.8	170.3	165.6
17.5°	460.6	436.9	395.9	280.7	209.8	173.5	154.6	148.3
20°	459.0	430.6	388.0	265.0	194.0	157.7	138.8	134.1
22.5°	452.7	421.1	375.4	249.2	178.2	142.0	126.2	123.0
25°	443.2	408.5	361.2	235.0	164.0	130.9	115.1	112.0
27.5°	427.4	392.7	342.3	219.2	151.4	119.9	105.7	100.9
30°	406.9	373.8	323.3	203.5	138.8	108.8	96.2	93.1
32.5°	384.8	351.7	304.4	187.7	127.8	100.9	88.3	85.2
35°	359.6	328.1	280.7	171.9	116.7	93.1	80.4	78.9
37.5°	334.4	302.8	260.2	159.3	107.3	85.2	74.1	72.6
40°	306.0	280.7	249.2	145.1	99.4	78.9	69.4	66.2
42.5°	288.6	253.9	214.5	132.5	91.5	72.6	63.1	61.5
45°	250.8	225.5	194.0	119.9	83.6	66.2	58.4	56.8
47.5°	225.5	203.5	173.5	107.3	77.3	61.5	53.6	52.0
50°	200.3	179.8	151.4	94.6	71.0	56.8	48.9	47.3
52.5°	175.1	154.6	129.3	83.6	63.1	52.0	44.2	42.6
55°	149.8	130.9	107.3	72.6	56.8	47.3	41.0	37.9
57.5°	123.0	107.3	91.5	64.7	50.5	42.6	36.3	33.1
60°	99.4	89.9	77.3	56.8	44.2	37.9	31.5	30.0
62.5°	80.4	72.6	64.7	48.9	39.4	33.1	28.4	23.7
65°	64.7	59.9	53.6	39.4	33.1	28.4	23.7	18.9
67.5°	50.5	47.3	42.6	33.1	26.8	23.7	17.3	14.2
70°	39.4	36.3	33.1	23.7	20.5	17.3	12.6	9.5
72.5°	28.4	25.2	23.7	17.3	14.2	12.6	7.9	4.7
75°	17.3	17.3	14.2	9.5	7.9	6.3	3.2	1.6
77.5°	9.5	9.5	7.9	4.7	4.7	1.6	0.0	0.0
80°	4.7	3.2	3.2	1.6	1.6	0.0	0.0	0.0
82.5°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)