

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: P1314777

Luminaire Tested: P3SQAS20R709735D010 E3SQCLSWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314777
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R709735D010 E3SQCLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3SQCLSWW1MW TRIAC
Light Source: -
Ballast/Driver: -

Summary

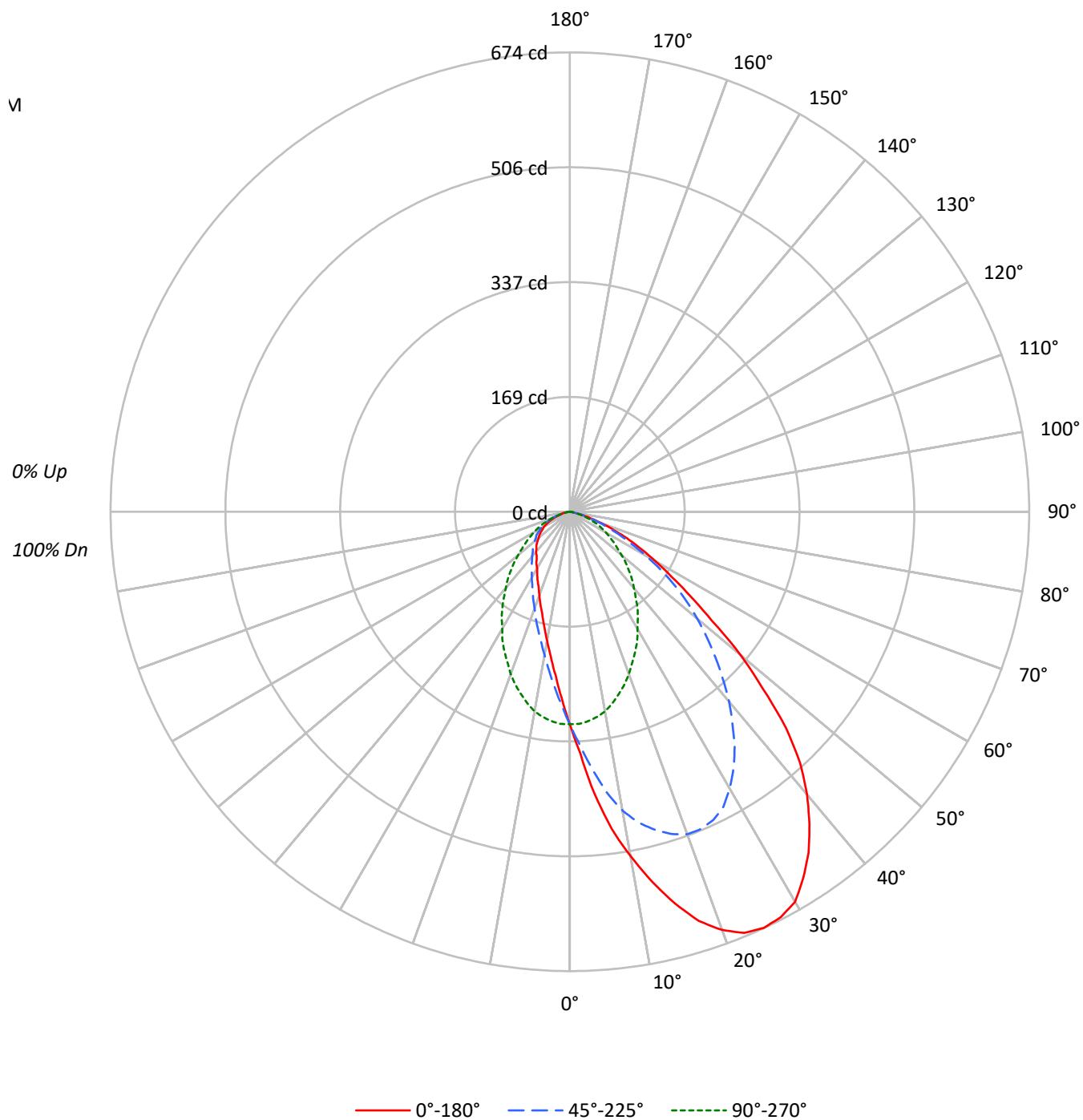
Lumens per Lamp: N/A
Luminaire Lumens: 761.0 lumens
Efficiency: N/A
Efficacy: 26.4 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88		
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76		
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	66		
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	58		
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51		
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45		
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40		
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36		
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	33		
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	53665	53665	53665	53665	53665
5°	71815	65556	53316	44620	41630
10°	89713	77874	52009	37424	33577
15°	106052	86136	49389	31987	27779
20°	119679	92298	46442	27693	23936
25°	127983	94785	43060	24513	21226
30°	131430	93248	39435	22213	19091
35°	128376	88660	36393	20520	17871
40°	121695	81722	32891	19447	17334
45°	109236	73579	29885	18778	16854
50°	87694	65348	26552	18139	16022
55°	64736	56239	23631	17956	15584
60°	49876	43917	21149	17360	15190
65°	37817	32723	18583	16015	13448
70°	25379	22962	14250	14250	11078
75°	13641	13641	9449	9449	8384
80°	3075	6248	4661	6248	7835
85°	0	3162	3162	6126	6126

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 109236 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.7	4.0
10°-20°	93.4	12.3
20°-30°	144.0	18.9
30°-40°	163.4	21.5
40°-50°	147.8	19.4
50°-60°	103.4	13.6
60°-70°	56.8	7.5
70°-80°	19.0	2.5
80°-90°	2.5	0.3
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°	268.1	35.2
0°-40°	431.5	56.7
0°-60°	682.7	89.7
0°-90°	761.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	761.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	312	312	312	312	312	
5°	415	379	308	258	241	43
15°	595	483	277	179	156	170
25°	674	499	227	129	112	309
35°	611	422	173	98	85	380
45°	448	302	123	77	69	340
55°	216	187	79	60	52	198
65°	93	80	46	39	33	93
75°	20	20	14	14	13	24
85°	0	2	2	3	3	1
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°	311.6	311.6	311.6	311.6	311.6	311.6	311.6	311.6	311.6	311.6	311.6
2.5°	355.6	358.8	360.4	357.2	355.6	354.1	350.9	349.3	346.2	343.0	341.5
5°	415.4	415.4	415.4	412.3	407.6	404.4	398.1	393.4	385.5	379.2	372.9
7.5°	468.9	468.9	467.4	462.6	459.5	451.6	443.8	437.5	424.9	415.4	402.8
10°	513.0	513.0	511.4	503.6	498.8	489.4	481.5	470.5	457.9	445.3	431.2
12.5°	555.5	555.5	549.2	542.9	533.5	520.9	509.8	498.8	481.5	467.4	450.1
15°	594.8	594.8	591.7	580.7	568.1	553.9	538.2	522.4	502.0	483.1	464.2
17.5°	629.4	627.9	623.1	610.6	598.0	580.7	561.8	542.9	517.7	495.7	472.1
20°	653.0	653.0	646.8	632.6	618.4	599.5	579.1	557.1	530.3	503.6	475.2
22.5°	668.8	667.2	660.9	646.8	629.4	610.6	587.0	563.4	533.5	503.6	473.7
25°	673.5	671.9	665.6	649.9	632.6	612.1	587.0	561.8	530.3	498.8	465.8
27.5°	670.4	668.8	662.5	645.2	627.9	604.3	579.1	552.3	520.9	487.8	454.8
30°	660.9	656.2	649.9	634.2	615.3	591.7	564.9	535.0	503.6	468.9	435.9
32.5°	637.3	637.3	629.4	613.7	594.8	569.6	542.9	514.6	480.0	446.9	412.3
35°	610.6	609.0	602.7	585.4	568.1	544.5	517.7	487.8	454.8	421.7	388.7
37.5°	577.5	575.9	569.6	553.9	535.0	513.0	484.7	456.3	424.9	391.8	361.9
40°	541.3	538.2	530.3	517.7	502.0	476.8	451.6	423.3	393.4	363.5	333.6
42.5°	500.4	497.3	491.0	481.5	462.6	440.6	417.0	390.3	361.9	332.0	310.0
45°	448.5	448.5	445.3	435.9	421.7	404.4	379.2	355.6	328.9	302.1	278.5
47.5°	384.0	387.1	385.5	380.8	374.5	358.8	341.5	321.0	295.8	272.2	250.2
50°	327.3	328.9	330.5	327.3	322.6	311.6	300.6	288.0	265.9	243.9	223.5
52.5°	262.8	267.5	267.5	269.1	269.1	265.9	262.8	248.6	237.6	215.6	196.7
55°	215.6	215.6	215.6	218.7	220.3	221.9	218.7	215.6	203.0	187.3	169.9
57.5°	176.2	176.2	179.4	177.8	177.8	181.0	181.0	179.4	171.5	157.4	141.6
60°	144.8	144.8	144.8	144.8	146.3	146.3	146.3	146.3	140.1	127.5	114.9
62.5°	116.4	116.4	116.4	118.0	118.0	118.0	119.6	118.0	111.7	102.3	91.3
65°	92.8	91.3	92.8	92.8	94.4	94.4	94.4	92.8	86.5	80.3	72.4
67.5°	69.2	70.8	70.8	70.8	72.4	74.0	72.4	70.8	66.1	59.8	56.6
70°	50.4	51.9	51.9	51.9	53.5	55.1	53.5	51.9	48.8	45.6	42.5
72.5°	33.0	34.6	34.6	36.2	37.8	37.8	36.2	36.2	34.6	31.5	29.9
75°	20.5	20.5	22.0	22.0	23.6	23.6	23.6	22.0	22.0	20.5	20.5
77.5°	9.4	9.4	11.0	11.0	11.0	12.6	12.6	12.6	12.6	12.6	11.0
80°	3.1	3.1	3.1	3.1	3.1	4.7	4.7	4.7	6.3	6.3	6.3
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1	3.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
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°	311.6	311.6	311.6	311.6	311.6	311.6	311.6	311.6
2.5°	338.3	333.6	327.3	311.6	295.8	283.2	275.4	273.8
5°	365.1	357.2	343.0	308.4	280.1	258.1	245.5	240.8
7.5°	391.8	377.7	357.2	303.7	261.2	234.5	220.3	214.0
10°	413.9	396.5	369.8	297.4	245.5	214.0	196.7	192.0
12.5°	431.2	410.7	377.7	288.0	229.7	195.1	177.8	173.1
15°	442.2	420.2	382.4	277.0	214.0	179.4	162.1	155.8
17.5°	446.9	420.2	380.8	265.9	199.8	165.2	147.9	143.2
20°	446.9	417.0	376.1	253.4	185.7	151.1	135.3	130.6
22.5°	442.2	410.7	365.1	239.2	173.1	140.1	124.3	119.6
25°	432.7	398.1	352.5	226.6	160.5	129.0	114.9	111.7
27.5°	418.6	384.0	336.8	214.0	149.5	119.6	107.0	103.9
30°	401.3	366.7	319.4	198.3	138.5	111.7	100.7	96.0
32.5°	379.2	346.2	300.6	185.7	129.0	103.9	94.4	91.3
35°	355.6	325.7	280.1	173.1	119.6	97.6	88.1	85.0
37.5°	332.0	300.6	262.8	158.9	111.7	91.3	83.4	80.3
40°	306.9	283.2	243.9	146.3	105.4	86.5	78.7	77.1
42.5°	281.7	256.5	217.2	135.3	97.6	80.3	74.0	72.4
45°	251.8	228.2	196.7	122.7	91.3	77.1	70.8	69.2
47.5°	226.6	204.6	176.2	111.7	85.0	72.4	66.1	64.5
50°	203.0	181.0	154.2	99.1	78.7	67.7	62.9	59.8
52.5°	176.2	157.4	133.8	88.1	72.4	62.9	58.2	56.6
55°	152.6	133.8	111.7	78.7	66.1	59.8	53.5	51.9
57.5°	125.9	110.2	94.4	69.2	59.8	53.5	50.4	47.2
60°	102.3	91.3	80.3	61.4	53.5	50.4	45.6	44.1
62.5°	83.4	75.5	67.7	53.5	47.2	44.1	40.9	37.8
65°	66.1	61.4	55.1	45.6	40.9	39.3	36.2	33.0
67.5°	51.9	48.8	44.1	36.2	34.6	33.0	29.9	26.8
70°	39.3	37.8	34.6	28.3	26.8	28.3	25.2	22.0
72.5°	28.3	26.8	25.2	20.5	20.5	20.5	18.9	15.7
75°	18.9	17.3	15.7	14.2	14.2	14.2	14.2	12.6
77.5°	11.0	11.0	9.4	7.9	9.4	9.4	11.0	11.0
80°	4.7	4.7	4.7	4.7	6.3	6.3	7.9	7.9
82.5°	3.1	3.1	3.1	3.1	4.7	4.7	4.7	4.7
85°	1.6	1.6	1.6	1.6	1.6	3.1	3.1	3.1
87.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)