

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: P1315749

Luminaire Tested: P3SQAS20R709740D010 E3SQCLSWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315749
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: P3SQAS20R709740D010 E3SQCLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3SQCLSWW1MW TRIAC
Light Source: -
Ballast/Driver: -

Summary

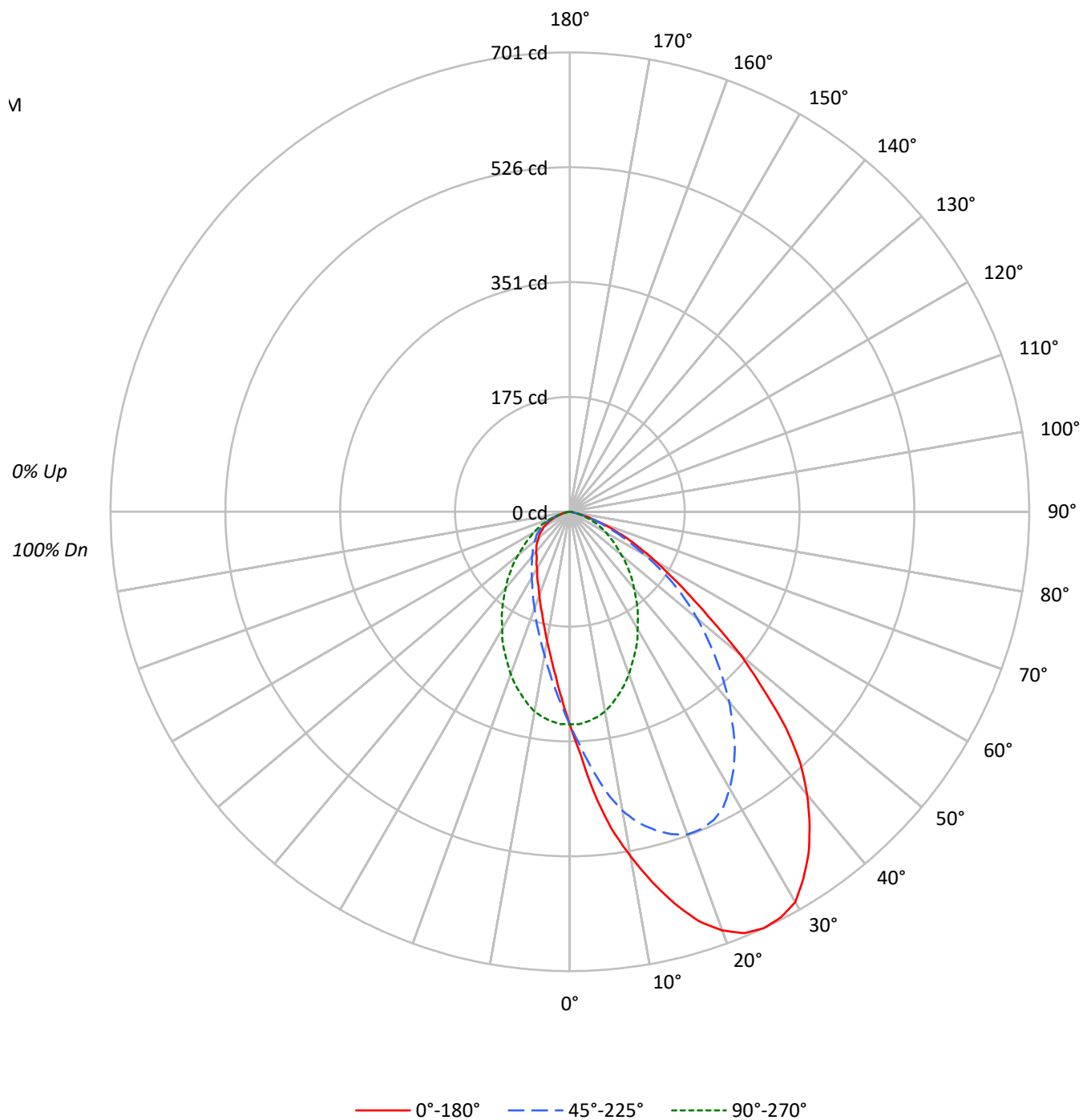
Lumens per Lamp: N/A
Luminaire Lumens: 792.0 lumens
Efficiency: N/A
Efficacy: 27.5 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	90	90	88
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	78	78	76
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	68	68	66
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	60	60	58
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	53	53	51
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	47	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	42	42	40
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	38	38	36
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	35	35	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	32	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	55852	55852	55852	55852	55852
5°	74754	68236	55495	46436	43324
10°	93368	81057	54125	38946	34941
15°	110384	89648	51385	33288	28902
20°	124572	96055	48330	28811	24907
25°	133190	98662	44808	25521	22100
30°	136780	97046	41046	23128	19867
35°	133590	92277	37865	21340	18586
40°	126664	85050	34240	20256	18031
45°	113669	76575	31103	19533	17561
50°	91257	68001	27650	18862	16665
55°	67379	58521	24591	18676	16214
60°	51908	45708	22010	18049	15810
65°	39366	34027	19357	16667	14018
70°	26386	23918	14855	14855	11531
75°	14173	14173	9782	9782	8717
80°	3273	6546	4860	6546	8133
85°	0	3162	3162	6521	6521

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 113669 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.0	4.0
10°-20°	97.2	12.3
20°-30°	149.8	18.9
30°-40°	170.0	21.5
40°-50°	153.8	19.4
50°-60°	107.6	13.6
60°-70°	59.1	7.5
70°-80°	19.8	2.5
80°-90°	2.6	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°	279.0	35.2
0°-40°	449.0	56.7
0°-60°	710.5	89.7
0°-90°	792.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	792.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	324	324	324	324	324	
5°	432	395	321	269	251	44
15°	619	503	288	187	162	176
25°	701	519	236	134	116	322
35°	635	439	180	102	88	395
45°	467	314	128	80	72	354
55°	224	195	82	62	54	206
65°	97	84	48	41	34	97
75°	21	21	15	15	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°	324.3	324.3	324.3	324.3	324.3	324.3	324.3	324.3	324.3	324.3	324.3
2.5°	370.1	373.4	375.0	371.8	370.1	368.5	365.2	363.6	360.3	357.0	355.4
5°	432.4	432.4	432.4	429.1	424.2	420.9	414.3	409.4	401.2	394.7	388.1
7.5°	488.0	488.0	486.4	481.5	478.2	470.0	461.8	455.3	442.2	432.4	419.3
10°	533.9	533.9	532.3	524.1	519.2	509.3	501.1	489.7	476.6	463.5	448.7
12.5°	578.1	578.1	571.6	565.0	555.2	542.1	530.6	519.2	501.1	486.4	468.4
15°	619.1	619.1	615.8	604.3	591.2	576.5	560.1	543.7	522.4	502.8	483.1
17.5°	655.1	653.4	648.5	635.4	622.3	604.3	584.7	565.0	538.8	515.9	491.3
20°	679.7	679.7	673.1	658.4	643.6	624.0	602.7	579.7	551.9	524.1	494.6
22.5°	696.0	694.4	687.8	673.1	655.1	635.4	610.9	586.3	555.2	524.1	493.0
25°	700.9	699.3	692.8	676.4	658.4	637.1	610.9	584.7	551.9	519.2	484.8
27.5°	697.7	696.0	689.5	671.5	653.4	628.9	602.7	574.8	542.1	507.7	473.3
30°	687.8	682.9	676.4	660.0	640.3	615.8	587.9	556.8	524.1	488.0	453.6
32.5°	663.3	663.3	655.1	638.7	619.1	592.9	565.0	535.5	499.5	465.1	429.1
35°	635.4	633.8	627.2	609.2	591.2	566.6	538.8	507.7	473.3	438.9	404.5
37.5°	601.0	599.4	592.9	576.5	556.8	533.9	504.4	474.9	442.2	407.8	376.7
40°	563.4	560.1	551.9	538.8	522.4	496.2	470.0	440.5	409.4	378.3	347.2
42.5°	520.8	517.5	511.0	501.1	481.5	458.6	434.0	406.2	376.7	345.6	322.6
45°	466.7	466.7	463.5	453.6	438.9	420.9	394.7	370.1	342.3	314.4	289.9
47.5°	399.6	402.9	401.2	396.3	389.8	373.4	355.4	334.1	307.9	283.3	260.4
50°	340.6	342.3	343.9	340.6	335.7	324.3	312.8	299.7	276.8	253.8	232.6
52.5°	273.5	278.4	278.4	280.0	280.0	276.8	273.5	258.8	247.3	224.4	204.7
55°	224.4	224.4	224.4	227.6	229.3	230.9	227.6	224.4	211.3	194.9	176.9
57.5°	183.4	183.4	186.7	185.1	185.1	188.3	188.3	186.7	178.5	163.8	147.4
60°	150.7	150.7	150.7	150.7	152.3	152.3	152.3	152.3	145.8	132.7	119.6
62.5°	121.2	121.2	121.2	122.8	122.8	122.8	124.5	122.8	116.3	106.5	95.0
65°	96.6	95.0	96.6	96.6	98.3	98.3	98.3	96.6	90.1	83.5	75.3
67.5°	72.1	73.7	73.7	73.7	75.3	77.0	75.3	73.7	68.8	62.2	59.0
70°	52.4	54.0	54.0	54.0	55.7	57.3	55.7	54.0	50.8	47.5	44.2
72.5°	34.4	36.0	36.0	37.7	39.3	39.3	37.7	37.7	36.0	32.8	31.1
75°	21.3	21.3	22.9	22.9	24.6	24.6	24.6	22.9	22.9	21.3	21.3
77.5°	9.8	9.8	11.5	11.5	11.5	13.1	13.1	13.1	13.1	13.1	11.5
80°	3.3	3.3	3.3	3.3	3.3	4.9	4.9	4.9	6.6	6.6	6.6
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3	3.3
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°	324.3	324.3	324.3	324.3	324.3	324.3	324.3	324.3
2.5°	352.1	347.2	340.6	324.3	307.9	294.8	286.6	285.0
5°	379.9	371.8	357.0	321.0	291.5	268.6	255.5	250.6
7.5°	407.8	393.1	371.8	316.1	271.9	244.0	229.3	222.7
10°	430.7	412.7	384.9	309.5	255.5	222.7	204.7	199.8
12.5°	448.7	427.4	393.1	299.7	239.1	203.1	185.1	180.1
15°	460.2	437.3	398.0	288.2	222.7	186.7	168.7	162.1
17.5°	465.1	437.3	396.3	276.8	208.0	172.0	153.9	149.0
20°	465.1	434.0	391.4	263.7	193.2	157.2	140.8	135.9
22.5°	460.2	427.4	379.9	248.9	180.1	145.8	129.4	124.5
25°	450.4	414.3	366.8	235.8	167.0	134.3	119.6	116.3
27.5°	435.6	399.6	350.5	222.7	155.6	124.5	111.4	108.1
30°	417.6	381.6	332.5	206.4	144.1	116.3	104.8	99.9
32.5°	394.7	360.3	312.8	193.2	134.3	108.1	98.3	95.0
35°	370.1	339.0	291.5	180.1	124.5	101.5	91.7	88.4
37.5°	345.6	312.8	273.5	165.4	116.3	95.0	86.8	83.5
40°	319.4	294.8	253.8	152.3	109.7	90.1	81.9	80.2
42.5°	293.2	266.9	226.0	140.8	101.5	83.5	77.0	75.3
45°	262.0	237.5	204.7	127.7	95.0	80.2	73.7	72.1
47.5°	235.8	212.9	183.4	116.3	88.4	75.3	68.8	67.1
50°	211.3	188.3	160.5	103.2	81.9	70.4	65.5	62.2
52.5°	183.4	163.8	139.2	91.7	75.3	65.5	60.6	59.0
55°	158.9	139.2	116.3	81.9	68.8	62.2	55.7	54.0
57.5°	131.0	114.6	98.3	72.1	62.2	55.7	52.4	49.1
60°	106.5	95.0	83.5	63.9	55.7	52.4	47.5	45.9
62.5°	86.8	78.6	70.4	55.7	49.1	45.9	42.6	39.3
65°	68.8	63.9	57.3	47.5	42.6	40.9	37.7	34.4
67.5°	54.0	50.8	45.9	37.7	36.0	34.4	31.1	27.8
70°	40.9	39.3	36.0	29.5	27.8	29.5	26.2	22.9
72.5°	29.5	27.8	26.2	21.3	21.3	21.3	19.7	16.4
75°	19.7	18.0	16.4	14.7	14.7	14.7	14.7	13.1
77.5°	11.5	11.5	9.8	8.2	9.8	9.8	11.5	11.5
80°	4.9	4.9	4.9	4.9	6.6	6.6	8.2	8.2
82.5°	3.3	3.3	3.3	3.3	4.9	4.9	4.9	4.9
85°	1.6	1.6	1.6	1.6	1.6	3.3	3.3	3.3
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)