

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: P1309664

Luminaire Tested: P3SQAS24R709035D010 E3SQCLSWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309664
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: P3SQAS24R709035D010 E3SQCLSWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3SQCLSWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

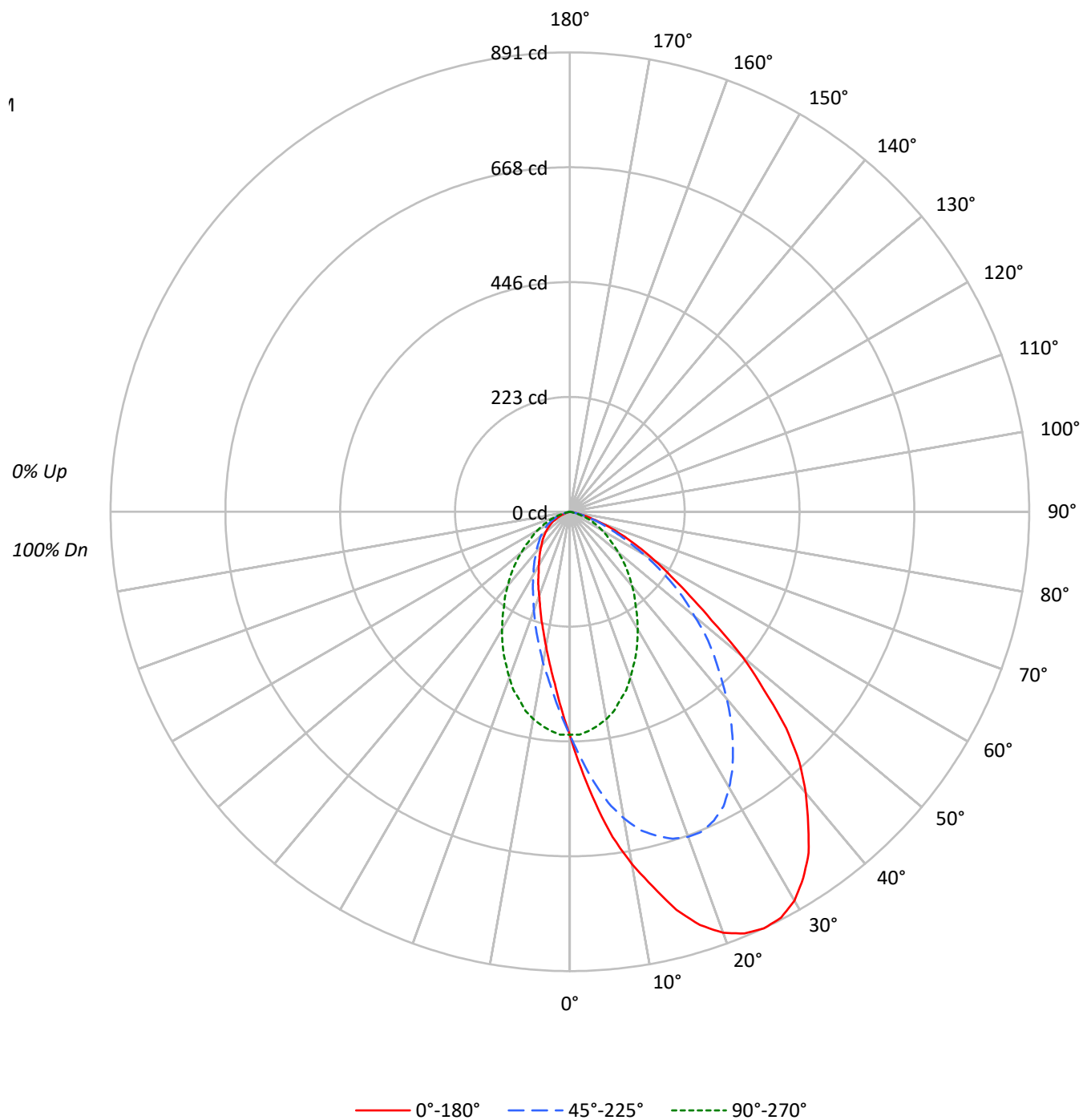
Lumens per Lamp: N/A
Luminaire Lumens: 970.0 lumens
Efficiency: N/A
Efficacy: 33.7 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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°	74486	74486	74486	74486	74486
5°	98041	90641	73699	61718	57829
10°	121296	105592	71351	52079	46378
15°	142567	116019	67290	44004	38191
20°	159266	122996	62809	37388	31780
25°	169390	125589	57749	32172	27516
30°	173212	122919	52322	28000	23943
35°	169836	115803	46737	25314	21445
40°	160050	106408	42199	22932	19267
45°	144577	96377	37752	20873	17877
50°	116952	84720	32795	19666	16397
55°	85124	72873	28164	18376	14713
60°	66065	57626	25282	16878	13364
65°	49880	41566	20783	14956	9984
70°	34946	29810	15408	11279	6143
75°	20362	17634	8118	5456	1331
80°	4066	6050	1984	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 144577 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.3	4.4
10°-20°	126.1	13.0
20°-30°	190.0	19.6
30°-40°	211.2	21.8
40°-50°	187.2	19.3
50°-60°	127.1	13.1
60°-70°	66.6	6.9
70°-80°	18.9	1.9
80°-90°	0.5	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°	358.4	36.9
0°-40°	569.6	58.7
0°-60°	883.9	91.1
0°-90°	970.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	970.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	432	432	432	432	432	
5°	567	524	426	357	334	58
15°	800	651	377	247	214	227
25°	891	661	304	169	145	409
35°	808	551	222	120	102	501
45°	594	396	155	86	73	449
55°	284	243	94	61	49	262
65°	122	102	51	37	24	124
75°	31	26	12	8	2	34
85°	0	0	0	0	0	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°	432.5	432.5	432.5	432.5	432.5	432.5	432.5	432.5	432.5	432.5	432.5
2.5°	497.7	495.7	493.7	493.7	491.6	489.6	485.5	485.5	481.4	477.3	473.3
5°	567.1	567.1	567.1	561.0	561.0	552.8	548.7	540.6	532.4	524.3	514.1
7.5°	636.4	636.4	630.3	628.3	622.2	614.0	607.9	595.6	581.4	569.1	552.8
10°	693.6	693.6	687.4	683.4	671.1	663.0	650.7	636.4	622.2	603.8	583.4
12.5°	744.6	746.6	738.4	730.3	718.0	705.8	689.5	671.1	652.8	632.4	605.8
15°	799.6	797.6	787.4	777.2	762.9	744.6	724.2	699.7	675.2	650.7	622.2
17.5°	840.4	838.4	828.2	816.0	797.6	775.2	752.7	724.2	695.6	665.0	630.3
20°	869.0	867.0	856.8	840.4	822.1	797.6	771.1	738.4	707.8	671.1	632.4
22.5°	885.3	883.3	871.0	856.8	834.3	807.8	779.2	744.6	709.9	671.1	628.3
25°	891.4	887.4	875.1	858.8	836.4	807.8	775.2	738.4	701.7	660.9	616.0
27.5°	887.4	883.3	869.0	850.6	826.2	793.5	760.9	724.2	685.4	644.6	597.7
30°	871.0	864.9	852.7	834.3	807.8	775.2	740.5	701.7	660.9	618.1	571.2
32.5°	842.5	838.4	826.2	805.8	779.2	746.6	711.9	671.1	630.3	587.5	540.6
35°	807.8	799.6	787.4	769.0	742.5	709.9	675.2	632.4	593.6	550.8	505.9
37.5°	758.8	756.8	742.5	728.2	701.7	667.0	634.4	593.6	554.9	514.1	469.2
40°	711.9	707.8	695.6	679.3	652.8	622.2	587.5	550.8	512.0	473.3	432.5
42.5°	658.9	652.8	644.6	628.3	603.8	573.2	540.6	503.9	469.2	432.5	395.7
45°	593.6	591.6	581.4	573.2	550.8	524.3	491.6	459.0	424.3	395.7	367.2
47.5°	510.0	507.9	505.9	499.8	487.5	469.2	444.7	414.1	387.6	359.0	320.3
50°	436.5	434.5	430.4	428.4	418.2	408.0	389.6	371.3	348.8	316.2	285.6
52.5°	346.8	348.8	354.9	357.0	354.9	346.8	338.6	332.5	301.9	281.5	252.9
55°	283.5	283.5	281.5	283.5	285.6	289.7	289.7	281.5	261.1	242.7	218.3
57.5°	232.5	232.5	232.5	232.5	232.5	234.6	234.6	232.5	222.3	204.0	181.6
60°	191.8	189.7	189.7	191.8	189.7	189.7	191.8	191.8	181.6	167.3	146.9
62.5°	155.0	155.0	155.0	153.0	153.0	155.0	155.0	153.0	144.8	130.6	116.3
65°	122.4	122.4	122.4	122.4	122.4	124.4	122.4	120.4	112.2	102.0	91.8
67.5°	93.8	93.8	95.9	93.8	95.9	95.9	95.9	91.8	85.7	77.5	71.4
70°	69.4	69.4	69.4	71.4	73.4	73.4	71.4	67.3	63.2	59.2	53.0
72.5°	46.9	49.0	49.0	49.0	51.0	51.0	49.0	46.9	44.9	40.8	38.8
75°	30.6	28.6	30.6	30.6	32.6	32.6	30.6	30.6	28.6	26.5	24.5
77.5°	14.3	14.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	14.3	14.3
80°	4.1	4.1	4.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
82.5°	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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°	432.5	432.5	432.5	432.5	432.5	432.5	432.5	432.5
2.5°	469.2	463.1	454.9	432.5	412.1	393.7	383.5	381.5
5°	501.8	493.7	473.3	426.3	387.6	357.0	338.6	334.5
7.5°	536.5	520.2	491.6	418.2	363.1	324.3	303.9	297.8
10°	563.0	542.6	503.9	408.0	338.6	297.8	273.3	265.2
12.5°	581.4	556.9	514.1	395.7	318.2	269.3	244.8	236.6
15°	591.6	565.1	516.1	377.4	293.7	246.8	220.3	214.2
17.5°	595.6	565.1	512.0	363.1	271.3	224.4	199.9	191.8
20°	593.6	556.9	501.8	342.7	250.9	204.0	179.5	173.4
22.5°	585.5	544.7	485.5	322.3	230.5	183.6	163.2	159.1
25°	573.2	528.3	467.1	303.9	212.1	169.3	148.9	144.8
27.5°	552.8	507.9	442.7	283.5	195.8	155.0	136.7	130.6
30°	526.3	483.5	418.2	263.1	179.5	140.8	124.4	120.4
32.5°	497.7	454.9	393.7	242.7	165.2	130.6	114.2	110.2
35°	465.1	424.3	363.1	222.3	151.0	120.4	104.0	102.0
37.5°	432.5	391.7	336.6	206.0	138.7	110.2	95.9	93.8
40°	395.7	363.1	322.3	187.7	128.5	102.0	89.8	85.7
42.5°	373.3	328.4	277.4	171.4	118.3	93.8	81.6	79.6
45°	324.3	291.7	250.9	155.0	108.1	85.7	75.5	73.4
47.5°	291.7	263.1	224.4	138.7	100.0	79.6	69.4	67.3
50°	259.1	232.5	195.8	122.4	91.8	73.4	63.2	61.2
52.5°	226.4	199.9	167.3	108.1	81.6	67.3	57.1	55.1
55°	193.8	169.3	138.7	93.8	73.4	61.2	53.0	49.0
57.5°	159.1	138.7	118.3	83.6	65.3	55.1	46.9	42.8
60°	128.5	116.3	100.0	73.4	57.1	49.0	40.8	38.8
62.5°	104.0	93.8	83.6	63.2	51.0	42.8	36.7	30.6
65°	83.6	77.5	69.4	51.0	42.8	36.7	30.6	24.5
67.5°	65.3	61.2	55.1	42.8	34.7	30.6	22.4	18.4
70°	51.0	46.9	42.8	30.6	26.5	22.4	16.3	12.2
72.5°	36.7	32.6	30.6	22.4	18.4	16.3	10.2	6.1
75°	22.4	22.4	18.4	12.2	10.2	8.2	4.1	2.0
77.5°	12.2	12.2	10.2	6.1	6.1	2.0	0.0	0.0
80°	6.1	4.1	4.1	2.0	2.0	0.0	0.0	0.0
82.5°	2.0	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)