

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: P1308546

Luminaire Tested: P3SQAS24R709030D010 E3SQCLSWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308546
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: P3SQAS24R709030D010 E3SQCLSWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3SQCLSWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

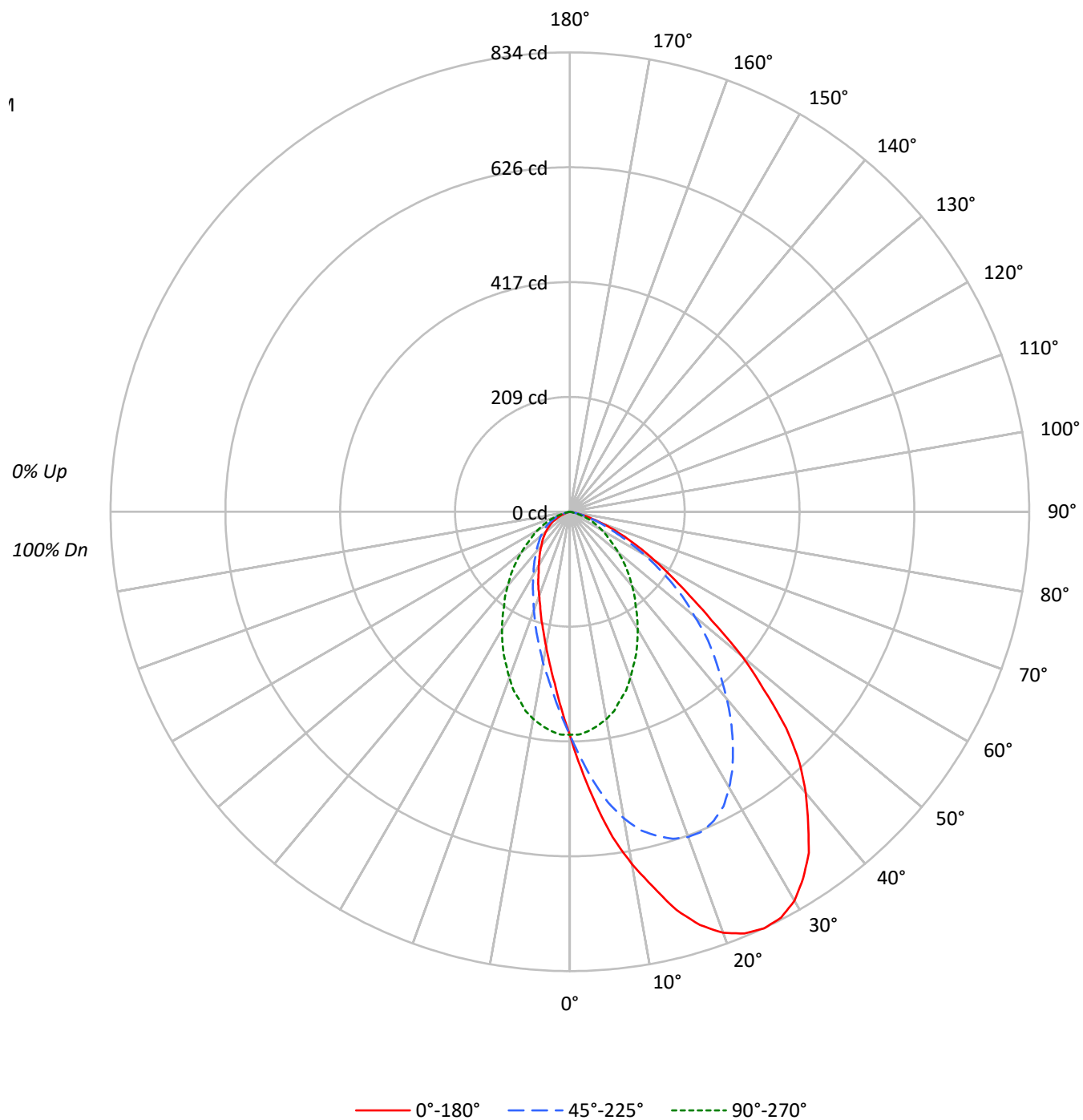
Lumens per Lamp: N/A
Luminaire Lumens: 908.0 lumens
Efficiency: N/A
Efficacy: 31.5 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	69716	69716	69716	69716	69716
5°	91765	84832	68997	57777	54146
10°	113532	98842	66786	48756	43405
15°	133456	108601	62993	41205	35749
20°	149095	115134	58795	35006	29746
25°	158577	117569	54063	30119	25768
30°	162155	115064	48981	26210	22412
35°	158987	108402	43752	23695	20078
40°	149821	99596	39501	21470	18031
45°	135346	90214	35340	19533	16733
50°	109477	79308	30705	18407	15352
55°	79689	68219	26363	17205	13752
60°	61828	53940	23663	15776	12503
65°	46701	38918	19438	14018	9332
70°	32680	27896	14401	10574	5791
75°	19031	16502	7652	5057	1264
80°	3769	5653	1884	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 135346 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.6	4.4
10°-20°	118.0	13.0
20°-30°	177.9	19.6
30°-40°	197.7	21.8
40°-50°	175.2	19.3
50°-60°	119.0	13.1
60°-70°	62.4	6.9
70°-80°	17.7	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°	335.5	36.9
0°-40°	533.2	58.7
0°-60°	827.4	91.1
0°-90°	908.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	908.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	405	405	405	405	405	
5°	531	491	399	334	313	54
15°	748	609	353	231	200	212
25°	834	619	284	158	136	383
35°	756	516	208	113	96	469
45°	556	370	145	80	69	421
55°	265	227	88	57	46	245
65°	115	96	48	34	23	116
75°	29	25	12	8	2	32
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°	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8
2.5°	465.9	464.0	462.1	462.1	460.2	458.3	454.5	454.5	450.6	446.8	443.0
5°	530.8	530.8	530.8	525.1	525.1	517.5	513.7	506.0	498.4	490.7	481.2
7.5°	595.8	595.8	590.0	588.1	582.4	574.8	569.0	557.6	544.2	532.8	517.5
10°	649.2	649.2	643.5	639.7	628.2	620.6	609.1	595.8	582.4	565.2	546.1
12.5°	697.0	698.9	691.2	683.6	672.1	660.7	645.4	628.2	611.0	591.9	567.1
15°	748.5	746.6	737.1	727.5	714.2	697.0	677.9	655.0	632.0	609.1	582.4
17.5°	786.7	784.8	775.3	763.8	746.6	725.6	704.6	677.9	651.1	622.5	590.0
20°	813.5	811.5	802.0	786.7	769.5	746.6	721.8	691.2	662.6	628.2	591.9
22.5°	828.7	826.8	815.4	802.0	781.0	756.2	729.4	697.0	664.5	628.2	588.1
25°	834.5	830.6	819.2	803.9	782.9	756.2	725.6	691.2	656.9	618.7	576.7
27.5°	830.6	826.8	813.5	796.3	773.4	742.8	712.2	677.9	641.6	603.4	559.5
30°	815.4	809.6	798.2	781.0	756.2	725.6	693.2	656.9	618.7	578.6	534.7
32.5°	788.6	784.8	773.4	754.3	729.4	698.9	666.4	628.2	590.0	549.9	506.0
35°	756.2	748.5	737.1	719.9	695.1	664.5	632.0	591.9	555.7	515.6	473.6
37.5°	710.3	708.4	695.1	681.7	656.9	624.4	593.9	555.7	519.4	481.2	439.2
40°	666.4	662.6	651.1	635.9	611.0	582.4	549.9	515.6	479.3	443.0	404.8
42.5°	616.8	611.0	603.4	588.1	565.2	536.6	506.0	471.6	439.2	404.8	370.4
45°	555.7	553.8	544.2	536.6	515.6	490.7	460.2	429.6	397.2	370.4	343.7
47.5°	477.4	475.5	473.6	467.8	456.4	439.2	416.3	387.6	362.8	336.1	299.8
50°	408.6	406.7	402.9	401.0	391.4	381.9	364.7	347.5	326.5	296.0	267.3
52.5°	324.6	326.5	332.3	334.2	332.3	324.6	317.0	311.3	282.6	263.5	236.8
55°	265.4	265.4	263.5	265.4	267.3	271.2	271.2	263.5	244.4	227.2	204.3
57.5°	217.7	217.7	217.7	217.7	217.7	219.6	219.6	217.7	208.1	191.0	169.9
60°	179.5	177.6	177.6	179.5	177.6	177.6	179.5	179.5	169.9	156.6	137.5
62.5°	145.1	145.1	145.1	143.2	143.2	145.1	145.1	143.2	135.6	122.2	108.8
65°	114.6	114.6	114.6	114.6	114.6	116.5	114.6	112.7	105.0	95.5	85.9
67.5°	87.8	87.8	89.7	87.8	89.7	89.7	89.7	85.9	80.2	72.6	66.8
70°	64.9	64.9	64.9	66.8	68.7	68.7	66.8	63.0	59.2	55.4	49.6
72.5°	43.9	45.8	45.8	45.8	47.7	47.7	45.8	43.9	42.0	38.2	36.3
75°	28.6	26.7	28.6	28.6	30.6	30.6	28.6	28.6	26.7	24.8	22.9
77.5°	13.4	13.4	15.3	15.3	15.3	15.3	15.3	15.3	15.3	13.4	13.4
80°	3.8	3.8	3.8	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
82.5°	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
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°	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8
2.5°	439.2	433.5	425.8	404.8	385.7	368.5	359.0	357.1
5°	469.7	462.1	443.0	399.1	362.8	334.2	317.0	313.2
7.5°	502.2	486.9	460.2	391.4	339.9	303.6	284.5	278.8
10°	527.0	507.9	471.6	381.9	317.0	278.8	255.9	248.2
12.5°	544.2	521.3	481.2	370.4	297.9	252.1	229.1	221.5
15°	553.8	528.9	483.1	353.3	275.0	231.1	206.2	200.5
17.5°	557.6	528.9	479.3	339.9	254.0	210.0	187.1	179.5
20°	555.7	521.3	469.7	320.8	234.9	191.0	168.0	162.3
22.5°	548.0	509.8	454.5	301.7	215.8	171.9	152.8	148.9
25°	536.6	494.6	437.3	284.5	198.6	158.5	139.4	135.6
27.5°	517.5	475.5	414.4	265.4	183.3	145.1	127.9	122.2
30°	492.7	452.6	391.4	246.3	168.0	131.8	116.5	112.7
32.5°	465.9	425.8	368.5	227.2	154.7	122.2	106.9	103.1
35°	435.4	397.2	339.9	208.1	141.3	112.7	97.4	95.5
37.5°	404.8	366.6	315.1	192.9	129.8	103.1	89.7	87.8
40°	370.4	339.9	301.7	175.7	120.3	95.5	84.0	80.2
42.5°	349.4	307.4	259.7	160.4	110.8	87.8	76.4	74.5
45°	303.6	273.1	234.9	145.1	101.2	80.2	70.7	68.7
47.5°	273.1	246.3	210.0	129.8	93.6	74.5	64.9	63.0
50°	242.5	217.7	183.3	114.6	85.9	68.7	59.2	57.3
52.5°	212.0	187.1	156.6	101.2	76.4	63.0	53.5	51.6
55°	181.4	158.5	129.8	87.8	68.7	57.3	49.6	45.8
57.5°	148.9	129.8	110.8	78.3	61.1	51.6	43.9	40.1
60°	120.3	108.8	93.6	68.7	53.5	45.8	38.2	36.3
62.5°	97.4	87.8	78.3	59.2	47.7	40.1	34.4	28.6
65°	78.3	72.6	64.9	47.7	40.1	34.4	28.6	22.9
67.5°	61.1	57.3	51.6	40.1	32.5	28.6	21.0	17.2
70°	47.7	43.9	40.1	28.6	24.8	21.0	15.3	11.5
72.5°	34.4	30.6	28.6	21.0	17.2	15.3	9.5	5.7
75°	21.0	21.0	17.2	11.5	9.5	7.6	3.8	1.9
77.5°	11.5	11.5	9.5	5.7	5.7	1.9	0.0	0.0
80°	5.7	3.8	3.8	1.9	1.9	0.0	0.0	0.0
82.5°	1.9	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)