

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: P1311824

Luminaire Tested: P3SQAS24R509050D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311824
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R509050D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

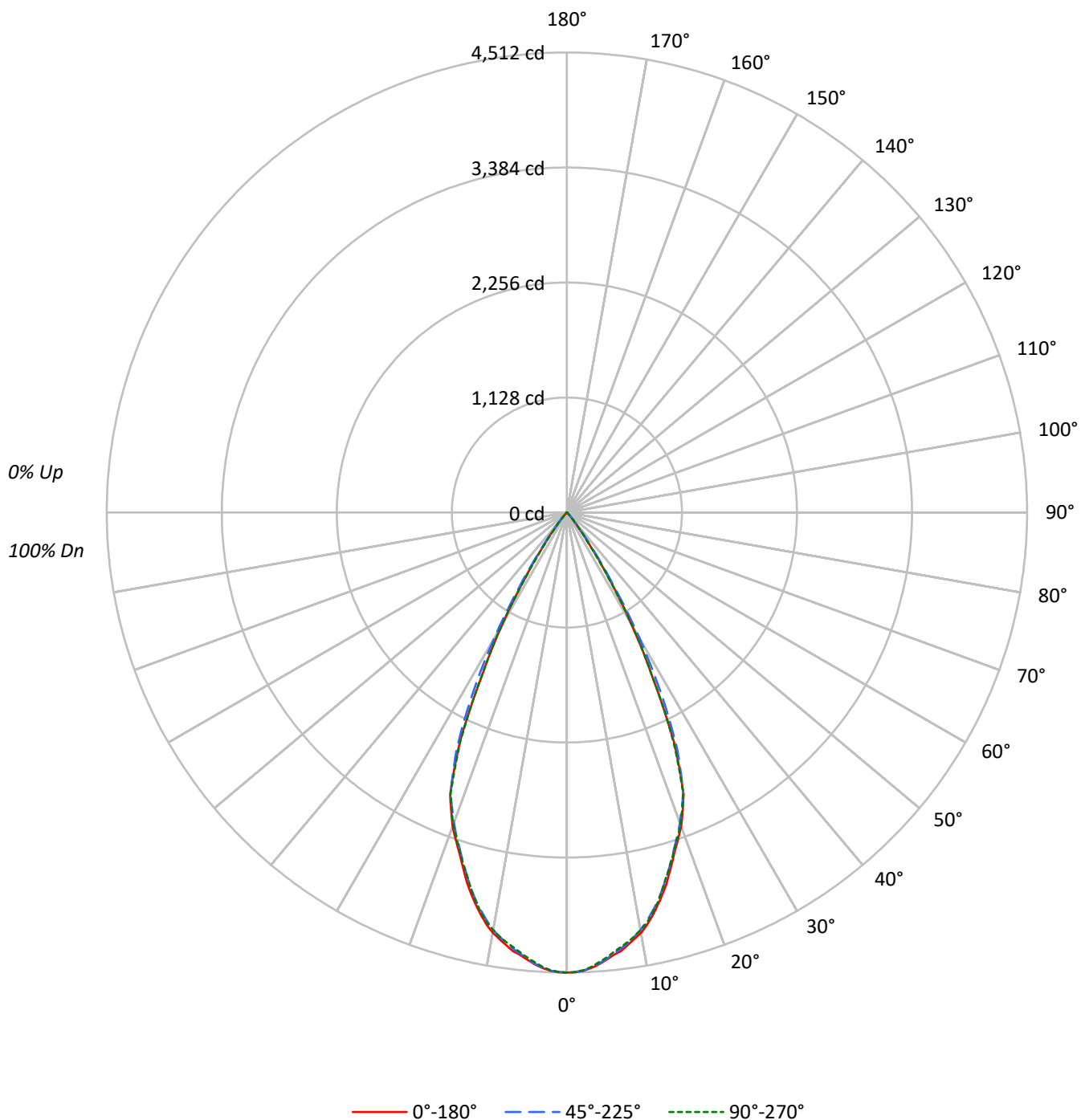
Lumens per Lamp: N/A
Luminaire Lumens: 2908.0 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	777137	777137	777137
5°	761902	760484	758340
10°	732098	727044	727394
15°	672059	665800	665069
20°	600392	593959	597002
25°	471893	485613	467960
30°	252460	282847	253275
35°	82458	96355	77686
40°	20414	25517	19492
45°	2509	9060	2509
50°	1661	2760	1661
55°	1862	1862	1862
60°	1412	1412	1412
65°	1671	1671	1671
70°	1057	1057	1057
75°	1397	1397	1397
80°	2083	2083	2083
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 9060 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.6	14.2
10°-20°	1043.6	35.9
20°-30°	1097.6	37.7
30°-40°	316.3	10.9
40°-50°	25.7	0.9
50°-60°	5.5	0.2
60°-70°	3.9	0.1
70°-80°	2.2	0.1
80°-90°	0.6	0.0
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°	2553.7	87.8
0°-40°	2870.1	98.7
0°-60°	2901.3	99.8
0°-90°	2908.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2908.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4512	4512	4512	4512	4512	
5°	4407	4405	4399	4403	4386	414
15°	3769	3744	3734	3734	3730	1050
25°	2483	2545	2556	2527	2463	1076
35°	392	407	458	392	370	303
45°	10	21	37	21	10	19
55°	6	6	6	6	6	5
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4512.4	4512.4	4512.4	4512.4	4512.4
1°	4510.4	4514.5	4506.2	4520.7	4508.3
2°	4500.0	4502.1	4498.0	4508.3	4491.8
3°	4475.3	4479.4	4471.1	4479.4	4464.9
4°	4446.4	4446.4	4438.1	4444.3	4425.7
5°	4407.1	4405.1	4398.9	4403.0	4386.5
6°	4365.9	4363.8	4353.5	4353.5	4341.1
7°	4334.9	4320.4	4312.2	4310.1	4297.7
8°	4285.4	4281.2	4264.7	4264.7	4256.5
9°	4235.8	4231.7	4213.1	4217.2	4211.0
10°	4186.3	4171.8	4157.4	4159.4	4159.4
11°	4120.2	4107.8	4087.2	4095.4	4099.6
12°	4041.8	4027.3	4008.7	4025.3	4023.2
13°	3955.1	3942.7	3928.2	3940.6	3936.5
14°	3864.2	3845.7	3833.3	3841.5	3837.4
15°	3769.3	3744.5	3734.2	3734.2	3730.1
17.5°	3503.0	3488.6	3478.2	3472.0	3486.5
20°	3275.9	3263.6	3240.8	3247.0	3257.4
22.5°	2991.1	2989.0	2976.6	2966.3	2978.7
25°	2483.3	2545.2	2555.5	2526.6	2462.6
27.5°	1804.1	1948.6	2000.2	1932.1	1814.5
30°	1269.5	1337.6	1422.3	1288.1	1273.6
32.5°	765.8	784.4	862.9	770.0	749.3
35°	392.2	406.7	458.3	392.2	369.5
37.5°	183.7	192.0	212.6	183.7	171.3
40°	90.8	101.1	113.5	95.0	86.7
42.5°	39.2	51.6	66.1	49.5	35.1
45°	10.3	20.6	37.2	20.6	10.3
47.5°	6.2	8.3	20.6	8.3	6.2
50°	6.2	6.2	10.3	6.2	6.2
52.5°	6.2	6.2	6.2	6.2	6.2
55°	6.2	6.2	6.2	6.2	6.2
57.5°	6.2	6.2	6.2	6.2	6.2
60°	4.1	6.2	4.1	6.2	4.1
62.5°	4.1	4.1	4.1	4.1	4.1
65°	4.1	4.1	4.1	4.1	4.1
67.5°	4.1	4.1	4.1	4.1	4.1
70°	2.1	2.1	2.1	2.1	2.1
72.5°	2.1	2.1	2.1	2.1	2.1
75°	2.1	2.1	2.1	2.1	2.1
77.5°	2.1	2.1	2.1	2.1	2.1
80°	2.1	2.1	2.1	2.1	2.1
82.5°	0.0	2.1	0.0	2.1	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)