

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: P1307373

Luminaire Tested: P3SQAS24R409027D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307373
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R409027D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

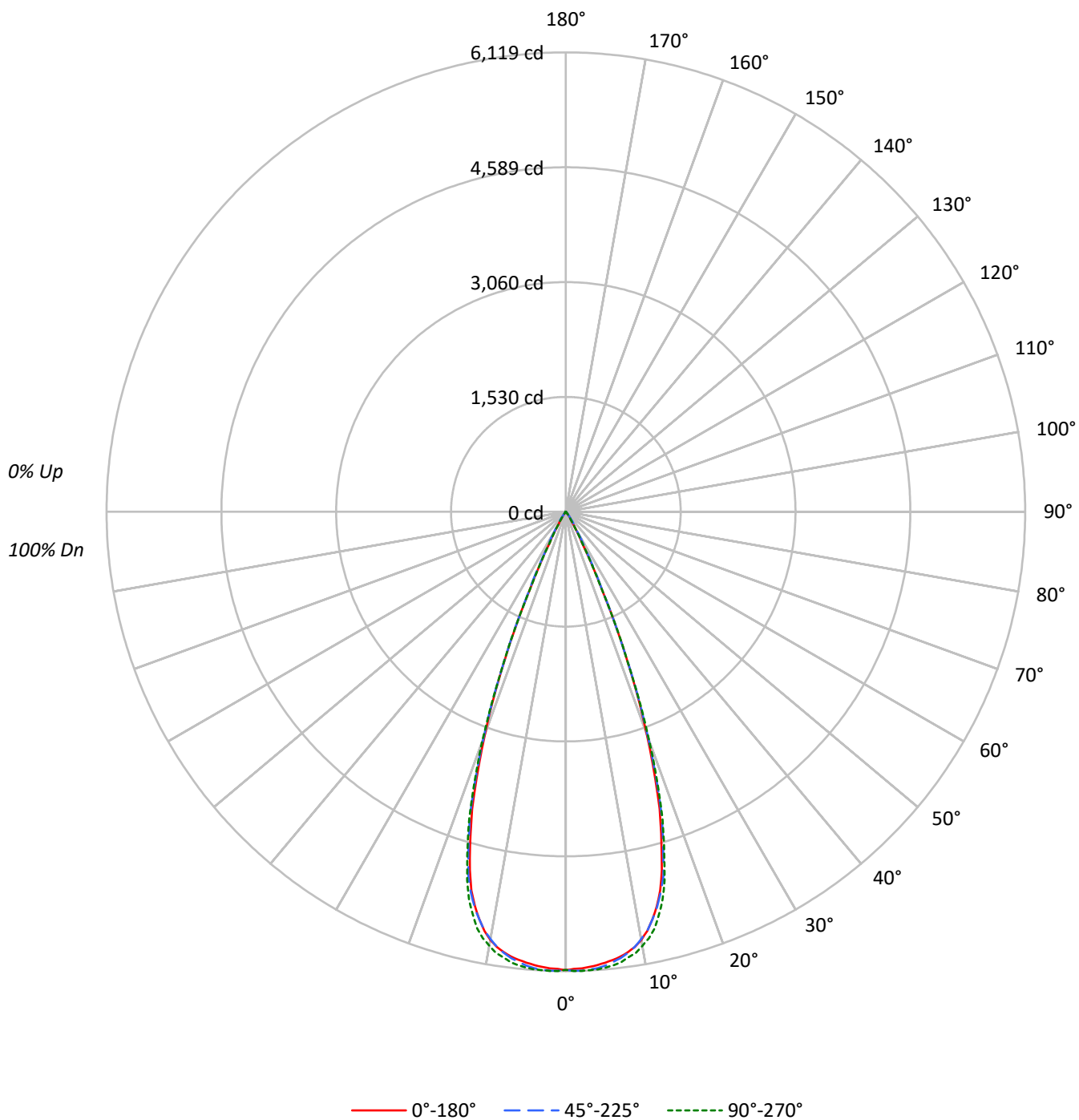
Lumens per Lamp: N/A
Luminaire Lumens: 2567.0 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	90	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1051316	1051316	1051316
5°	1042210	1048762	1053776
10°	1012535	1010628	1026437
15°	880846	895020	905986
20°	578106	589377	597002
25°	206103	218132	205077
30°	44944	60753	45302
35°	14444	25082	14065
40°	4474	7711	4069
45°	438	2630	438
50°	0	482	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2630 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	570.9	22.2
10°-20°	1329.5	51.8
20°-30°	596.3	23.2
30°-40°	64.4	2.5
40°-50°	6.0	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	2496.6	97.3
0°-40°	2561.0	99.8
0°-60°	2567.0	100.0
0°-90°	2567.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2567.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6104	6104	6104	6104	6104	
5°	6028	6045	6066	6076	6095	569
15°	4940	4976	5020	5049	5081	1313
25°	1085	1117	1148	1168	1079	579
35°	69	80	119	78	67	53
45°	2	4	11	4	2	3
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	6104.4	6104.4	6104.4	6104.4	6104.4
1°	6091.7	6104.4	6115.2	6106.2	6118.9
2°	6086.3	6100.8	6117.0	6108.0	6118.9
3°	6071.9	6089.9	6108.0	6102.6	6113.4
4°	6052.0	6066.4	6093.5	6093.5	6109.8
5°	6028.5	6044.7	6066.4	6075.5	6095.4
6°	6003.2	6012.2	6028.5	6046.6	6073.7
7°	5970.6	5970.6	5990.5	6008.6	6044.7
8°	5925.4	5921.8	5936.3	5959.8	5992.3
9°	5869.4	5856.7	5867.6	5901.9	5950.7
10°	5789.9	5779.0	5779.0	5822.4	5869.4
11°	5686.8	5683.2	5685.0	5726.6	5789.9
12°	5547.6	5551.3	5551.3	5598.3	5676.0
13°	5390.4	5388.6	5404.8	5457.3	5509.7
14°	5198.8	5209.6	5225.9	5272.9	5327.1
15°	4940.3	4976.4	5019.8	5048.7	5081.3
17.5°	4154.0	4190.1	4249.8	4273.3	4280.5
20°	3154.3	3206.8	3215.8	3262.8	3257.4
22.5°	2114.9	2111.3	2118.6	2124.0	2125.8
25°	1084.6	1117.1	1147.9	1167.7	1079.2
27.5°	471.8	527.8	567.6	515.2	477.2
30°	226.0	256.7	305.5	258.5	227.8
32.5°	122.9	142.8	193.4	141.0	121.1
35°	68.7	79.5	119.3	77.7	66.9
37.5°	39.8	43.4	65.1	43.4	38.0
40°	19.9	25.3	34.3	25.3	18.1
42.5°	7.2	12.7	18.1	12.7	7.2
45°	1.8	3.6	10.8	3.6	1.8
47.5°	0.0	0.0	5.4	0.0	0.0
50°	0.0	0.0	1.8	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	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)