

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: P1308493

Luminaire Tested: P3SQAS24R409030D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308493
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R409030D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

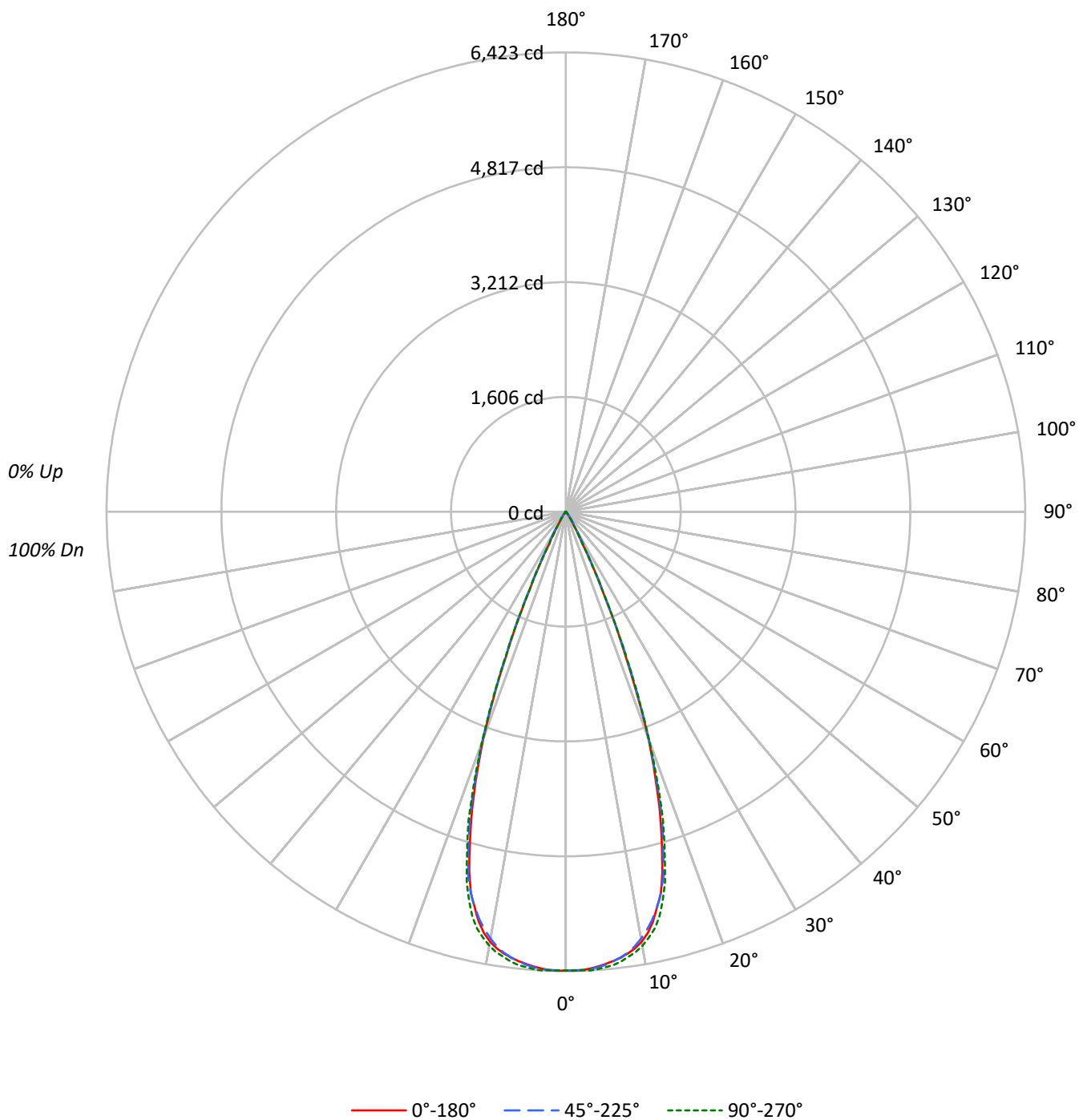
Lumens per Lamp: N/A
Luminaire Lumens: 2714.9 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	112	110	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		93
4	103	97	93	90	101	96	92	89	94	91	88		92	89	87		91
5	99	93	89	85	98	92	88	85	91	87	84		89	86	84		88
6	96	89	85	82	95	89	84	81	87	84	81		86	83	80		85
7	93	86	81	78	92	85	81	78	84	80	78		83	80	77		82
8	90	83	78	75	89	82	78	75	81	77	75		80	77	74		80
9	87	80	75	72	86	79	75	72	79	75	72		78	74	72		77
10	84	77	73	70	84	77	73	70	76	72	70		75	72	69		75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1104808	1104808	1104808
5°	1097480	1099122	1105069
10°	1067761	1059752	1077450
15°	930341	939880	954518
20°	619691	622843	628800
25°	225296	232194	226398
30°	47847	64174	47847
35°	16862	28509	16063
40°	6003	9015	6003
45°	1388	3726	1388
50°	1018	1527	1018
55°	1141	1141	1141
60°	1309	1309	1309
65°	774	1549	774
70°	957	957	957
75°	1264	1264	1264
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3726 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	599.4	22.1
10°-20°	1396.9	51.5
20°-30°	628.7	23.2
30°-40°	71.5	2.6
40°-50°	10.2	0.4
50°-60°	3.5	0.1
60°-70°	2.9	0.1
70°-80°	1.8	0.1
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°	2625.0	96.7
0°-40°	2696.6	99.3
0°-60°	2710.3	99.8
0°-90°	2714.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2714.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6415	6415	6415	6415	6415	
5°	6348	6340	6358	6386	6392	599
15°	5218	5231	5271	5313	5354	1386
25°	1186	1193	1222	1222	1191	614
35°	80	90	136	86	76	60
45°	6	10	15	10	6	8
55°	4	4	4	4	4	3
65°	2	4	4	4	2	3
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°	6415.0	6415.0	6415.0	6415.0	6415.0
1°	6418.8	6413.1	6411.2	6422.6	6413.1
2°	6413.1	6409.3	6411.2	6422.6	6415.0
3°	6395.9	6397.8	6403.5	6424.5	6422.6
4°	6374.9	6373.0	6384.4	6411.2	6411.2
5°	6348.2	6340.5	6357.7	6386.3	6392.1
6°	6317.6	6308.1	6321.4	6357.7	6371.1
7°	6283.2	6264.2	6275.6	6319.5	6336.7
8°	6237.4	6212.6	6226.0	6269.9	6283.2
9°	6180.2	6142.0	6153.4	6206.9	6233.6
10°	6105.7	6058.0	6059.9	6119.1	6161.1
11°	6000.7	5947.2	5949.1	6023.6	6067.5
12°	5861.3	5813.6	5823.1	5891.9	5962.5
13°	5672.3	5658.9	5670.4	5744.8	5809.8
14°	5489.0	5475.6	5496.6	5565.4	5595.9
15°	5217.9	5231.3	5271.4	5313.4	5353.5
17.5°	4358.8	4410.3	4458.0	4486.7	4521.0
20°	3381.2	3322.0	3398.4	3364.0	3430.9
22.5°	2182.2	2226.2	2245.2	2226.2	2233.8
25°	1185.6	1193.3	1221.9	1221.9	1191.4
27.5°	504.0	544.1	580.4	567.0	504.0
30°	240.6	276.8	322.7	278.7	240.6
32.5°	135.6	160.4	208.1	156.6	131.7
35°	80.2	89.7	135.6	85.9	76.4
37.5°	47.7	49.6	74.5	51.5	45.8
40°	26.7	32.5	40.1	32.5	26.7
42.5°	13.4	19.1	24.8	19.1	13.4
45°	5.7	9.5	15.3	9.5	5.7
47.5°	5.7	5.7	9.5	5.7	5.7
50°	3.8	3.8	5.7	3.8	3.8
52.5°	3.8	3.8	3.8	3.8	3.8
55°	3.8	3.8	3.8	3.8	3.8
57.5°	3.8	3.8	3.8	3.8	3.8
60°	3.8	3.8	3.8	3.8	3.8
62.5°	3.8	3.8	3.8	3.8	3.8
65°	1.9	3.8	3.8	3.8	1.9
67.5°	1.9	1.9	1.9	1.9	1.9
70°	1.9	1.9	1.9	1.9	1.9
72.5°	1.9	1.9	1.9	1.9	1.9
75°	1.9	1.9	1.9	1.9	1.9
77.5°	1.9	1.9	1.9	1.9	1.9
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)