

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: P1315693

Luminaire Tested: P3SQAS20R409740D010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315693
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: P3SQAS20R409740D010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

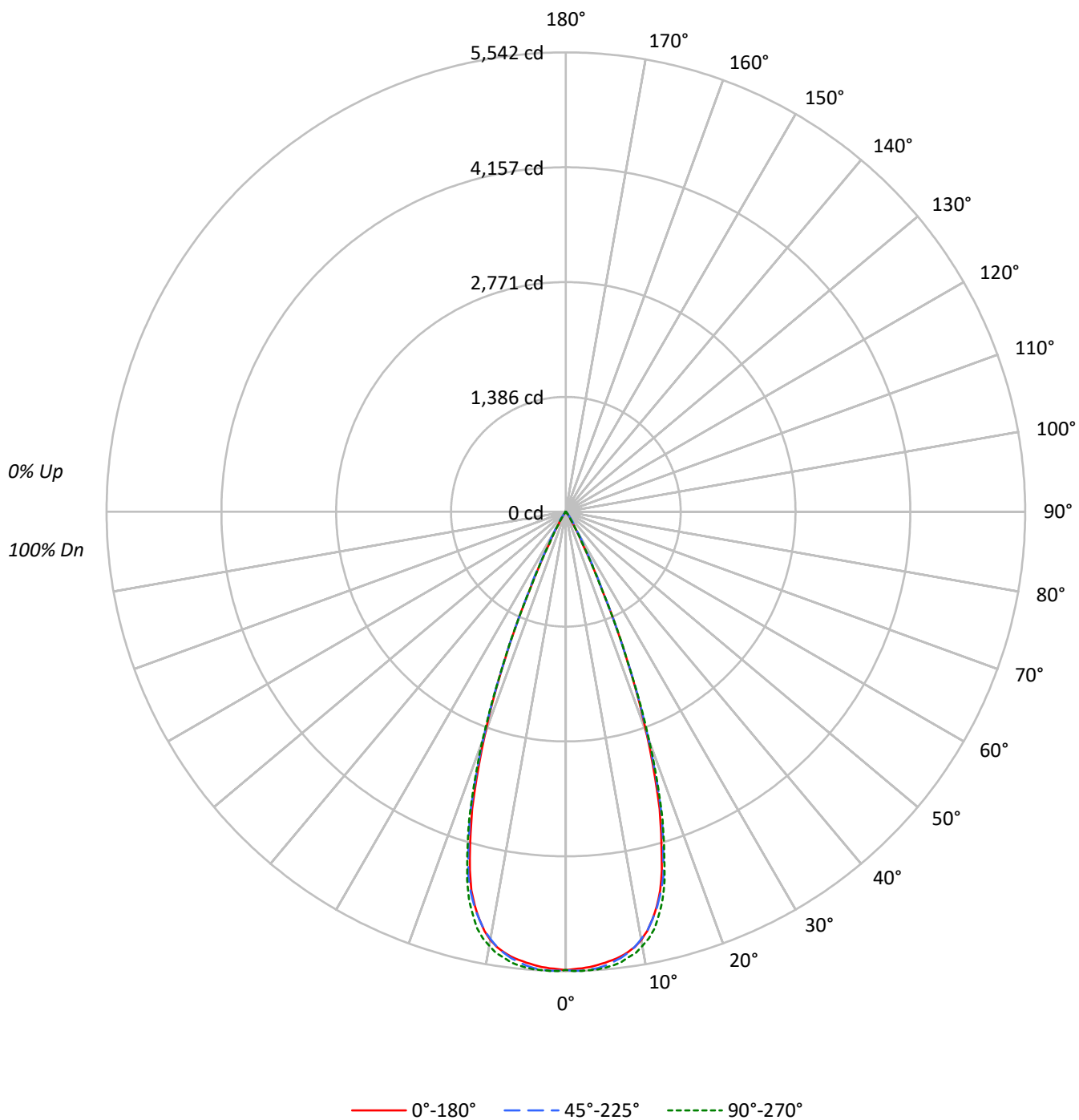
Lumens per Lamp: N/A
Luminaire Lumens: 2325.0 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1315693

CATALOG NUMBER: P3SQAS20R409740D010 E3SQCD1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1315693

CATALOG NUMBER: P3SQAS20R409740D010 E3SQCD1MMS

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	113	111	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		97
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94
4	103	97	93	90	102	96	92	89	94	91	88		92	90	87		91
5	100	93	89	86	98	93	88	85	91	87	85		89	86	84		88
6	96	90	85	82	95	89	85	82	88	84	81		86	83	81		85
7	93	86	82	79	92	86	81	78	85	81	78		83	80	78		82
8	90	83	79	76	89	83	78	75	82	78	75		81	77	75		80
9	87	80	76	73	86	80	75	73	79	75	72		78	75	72		77
10	85	77	73	70	84	77	73	70	76	72	70		76	72	70		75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	952202	952202	952202
5°	943945	949892	954421
10°	917068	915354	929677
15°	797794	810650	820563
20°	523618	533808	540718
25°	186663	197552	185732
30°	40708	55026	41026
35°	13077	22727	12741
40°	4047	6992	3687
45°	390	2387	390
50°	0	429	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: 2387 cd/sqm

TEST NUMBER: P1315693

CATALOG NUMBER: P3SQAS20R409740D010 E3SQCD1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	517.0	22.2
10°-20°	1204.1	51.8
20°-30°	540.0	23.2
30°-40°	58.3	2.5
40°-50°	5.4	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°	2261.2	97.3
0°-40°	2319.5	99.8
0°-60°	2325.0	100.0
0°-90°	2325.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2325.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5529	5529	5529	5529	5529	
5°	5460	5475	5494	5503	5521	515
15°	4474	4507	4547	4573	4602	1189
25°	982	1012	1040	1058	977	524
35°	62	72	108	70	61	48
45°	2	3	10	3	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	

TEST NUMBER: P1315693

CATALOG NUMBER: P3SQAS20R409740D010 E3SQCD1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5528.9	5528.9	5528.9	5528.9	5528.9
1°	5517.5	5528.9	5538.7	5530.6	5542.0
2°	5512.5	5525.6	5540.4	5532.2	5542.0
3°	5499.4	5515.8	5532.2	5527.3	5537.1
4°	5481.4	5494.5	5519.1	5519.1	5533.8
5°	5460.1	5474.9	5494.5	5502.7	5520.7
6°	5437.2	5445.4	5460.1	5476.5	5501.1
7°	5407.8	5407.8	5425.8	5442.1	5474.9
8°	5366.8	5363.6	5376.7	5397.9	5427.4
9°	5316.1	5304.6	5314.4	5345.5	5389.7
10°	5244.0	5234.2	5234.2	5273.5	5316.1
11°	5150.7	5147.4	5149.1	5186.7	5244.0
12°	5024.6	5027.9	5027.9	5070.5	5140.9
13°	4882.2	4880.6	4895.3	4942.8	4990.3
14°	4708.7	4718.5	4733.2	4775.8	4824.9
15°	4474.5	4507.3	4546.6	4572.8	4602.2
17.5°	3762.3	3795.1	3849.1	3870.4	3877.0
20°	2857.0	2904.4	2912.6	2955.2	2950.3
22.5°	1915.6	1912.3	1918.8	1923.7	1925.4
25°	982.3	1011.8	1039.6	1057.6	977.4
27.5°	427.3	478.1	514.1	466.6	432.2
30°	204.7	232.5	276.7	234.1	206.3
32.5°	111.3	129.3	175.2	127.7	109.7
35°	62.2	72.0	108.1	70.4	60.6
37.5°	36.0	39.3	58.9	39.3	34.4
40°	18.0	22.9	31.1	22.9	16.4
42.5°	6.5	11.5	16.4	11.5	6.5
45°	1.6	3.3	9.8	3.3	1.6
47.5°	0.0	0.0	4.9	0.0	0.0
50°	0.0	0.0	1.6	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



TEST NUMBER: P1315693

CATALOG NUMBER: P3SQAS20R409740D010 E3SQCD1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)