

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: P1312954

Luminaire Tested: P3SQAS02R409730DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312954
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: P3SQAS02R409730DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

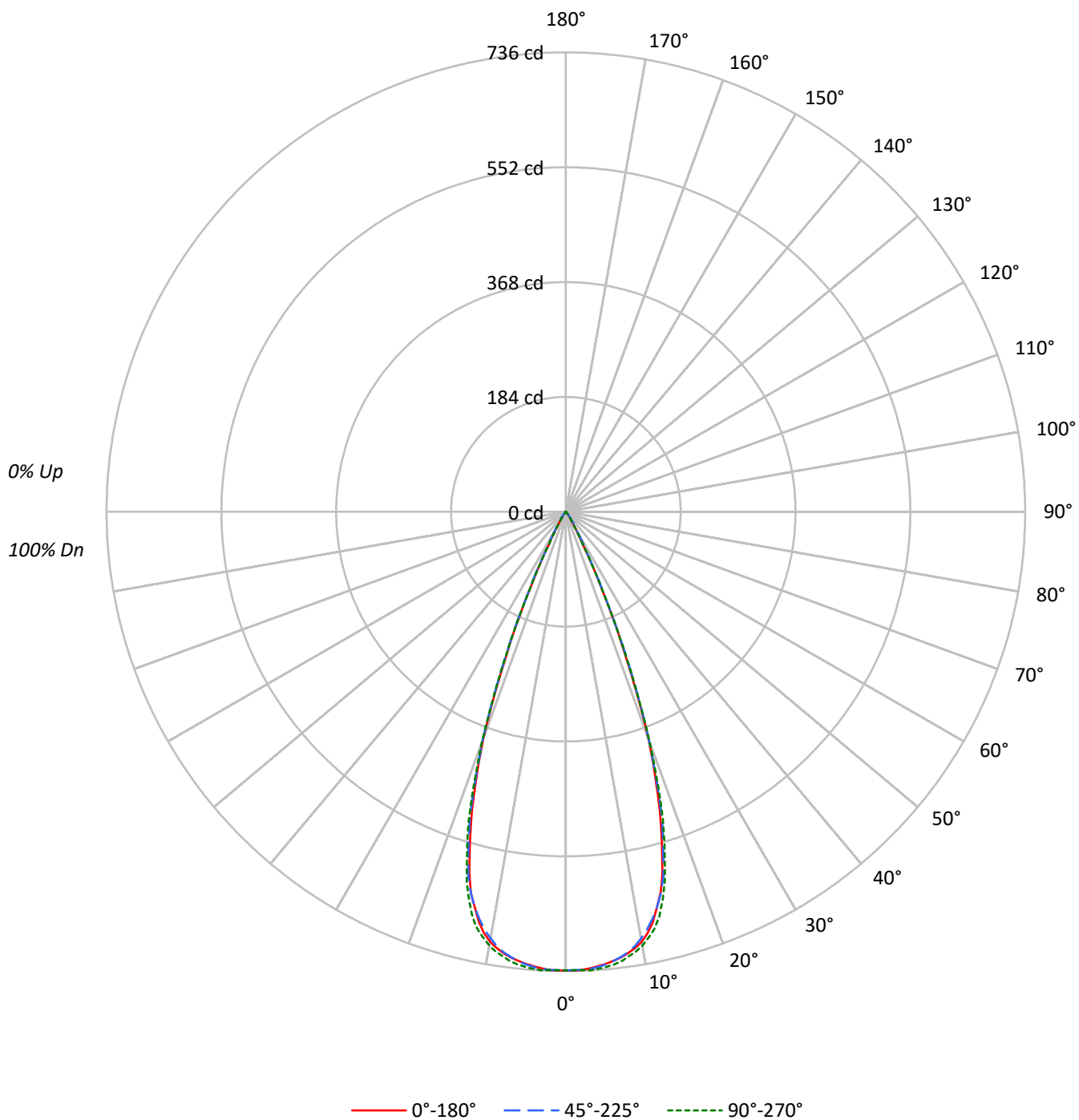
Lumens per Lamp: N/A
Luminaire Lumens: 310.9 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1312954

CATALOG NUMBER: P3SQAS02R409730DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1312954

CATALOG NUMBER: P3SQAS02R409730DE010 E3SQCD1MW

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	100	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°	126549	126549	126549
5°	125719	125909	126583
10°	122311	121401	123412
15°	106569	107656	109332
20°	70983	71349	72027
25°	25806	26604	25939
30°	5489	7358	5489
35°	1934	3259	1829
40°	697	1034	697
45°	170	414	170
50°	107	188	107
55°	120	120	120
60°	138	138	138
65°	82	163	82
70°	101	101	101
75°	133	133	133
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 414 cd/sqm

TEST NUMBER: P1312954

CATALOG NUMBER: P3SQAS02R409730DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.7	22.1
10°-20°	160.0	51.5
20°-30°	72.0	23.2
30°-40°	8.2	2.6
40°-50°	1.2	0.4
50°-60°	0.4	0.1
60°-70°	0.3	0.1
70°-80°	0.2	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°	300.7	96.7
0°-40°	308.9	99.3
0°-60°	310.4	99.8
0°-90°	310.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	310.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	735	735	735	735	735	
5°	727	726	728	732	732	69
15°	598	599	604	609	613	159
25°	136	137	140	140	136	70
35°	9	10	16	10	9	7
45°	1	1	2	1	1	1
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: P1312954

CATALOG NUMBER: P3SQAS02R409730DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	734.8	734.8	734.8	734.8	734.8
1°	735.3	734.6	734.4	735.7	734.6
2°	734.6	734.2	734.4	735.7	734.8
3°	732.6	732.9	733.5	735.9	735.7
4°	730.2	730.0	731.3	734.4	734.4
5°	727.2	726.3	728.3	731.5	732.2
6°	723.7	722.6	724.1	728.3	729.8
7°	719.7	717.6	718.9	723.9	725.9
8°	714.5	711.6	713.2	718.2	719.7
9°	707.9	703.6	704.9	711.0	714.1
10°	699.4	693.9	694.2	700.9	705.7
11°	687.4	681.2	681.5	690.0	695.0
12°	671.4	665.9	667.0	674.9	683.0
13°	649.8	648.2	649.5	658.1	665.5
14°	628.8	627.2	629.6	637.5	641.0
15°	597.7	599.2	603.8	608.6	613.2
17.5°	499.3	505.2	510.7	513.9	517.9
20°	387.3	380.5	389.3	385.3	393.0
22.5°	250.0	255.0	257.2	255.0	255.9
25°	135.8	136.7	140.0	140.0	136.5
27.5°	57.7	62.3	66.5	65.0	57.7
30°	27.6	31.7	37.0	31.9	27.6
32.5°	15.5	18.4	23.8	17.9	15.1
35°	9.2	10.3	15.5	9.8	8.7
37.5°	5.5	5.7	8.5	5.9	5.2
40°	3.1	3.7	4.6	3.7	3.1
42.5°	1.5	2.2	2.8	2.2	1.5
45°	0.7	1.1	1.7	1.1	0.7
47.5°	0.7	0.7	1.1	0.7	0.7
50°	0.4	0.4	0.7	0.4	0.4
52.5°	0.4	0.4	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.4
60°	0.4	0.4	0.4	0.4	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.2	0.4	0.4	0.4	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
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: P1312954

CATALOG NUMBER: P3SQAS02R409730DE010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)