

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: P1306399

Luminaire Tested: P3SQAS02R309027DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306399
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R309027DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

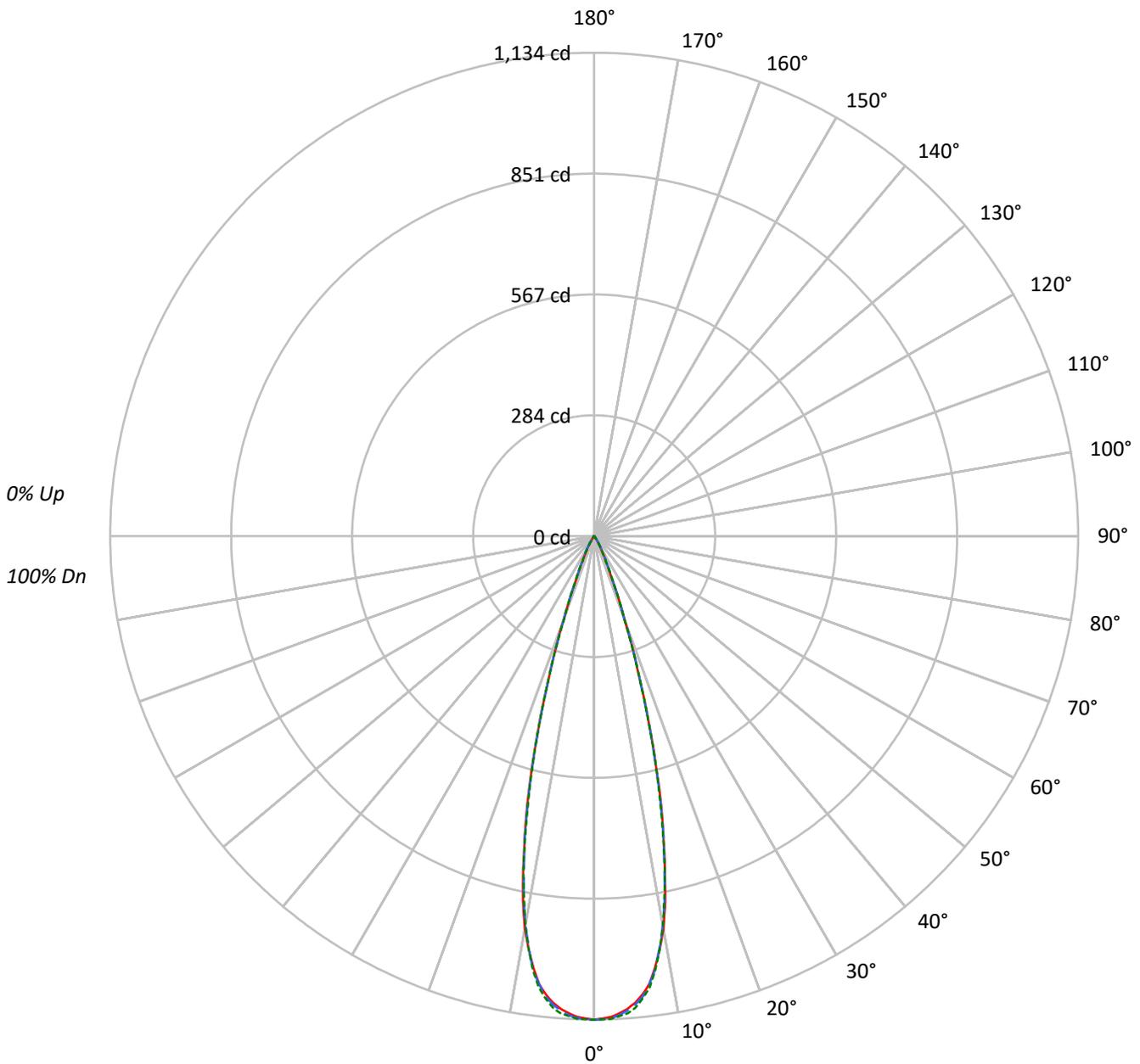
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 295.0 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
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 (A_{in}): 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: P1306399
CATALOG NUMBER: P3SQAS02R309027DE010 E3SQCD1MW

Luminous Intensity Polar Plot



— 0°-180° - - - 45°-225° - · - · - 90°-270°



TEST NUMBER: P1306399

CATALOG NUMBER: P3SQAS02R309027DE010 E3SQCD1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	97	97	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	95	94	94	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	93	91	91	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	88	88	88
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	91	85	85	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	83	83	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	81	81	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	78	78	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	76	76	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	74	74	74

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	195352	195352	195352
5°	189996	190825	192001
10°	163372	161991	162148
15°	100382	99579	99651
20°	38213	38286	37590
25°	12162	12808	12200
30°	4892	6065	5031
35°	1577	2670	1577
40°	719	1169	719
45°	268	487	268
50°	134	241	134
55°	150	150	150
60°	172	172	172
65°	82	82	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: 487 cd/sqm



TEST NUMBER: P1306399

CATALOG NUMBER: P3SQAS02R309027DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.1	33.9
10°-20°	148.4	50.3
20°-30°	36.9	12.5
30°-40°	7.4	2.5
40°-50°	1.3	0.5
50°-60°	0.5	0.2
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°	285.4	96.7
0°-40°	292.7	99.2
0°-60°	294.5	99.8
0°-90°	295.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	295.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1134	1134	1134	1134	1134	
5°	1099	1103	1104	1105	1111	100
15°	563	564	558	560	559	149
25°	64	65	67	66	64	36
35°	8	10	13	10	8	6
45°	1	1	2	2	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	0



TEST NUMBER: P1306399

CATALOG NUMBER: P3SQAS02R309027DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1134.3	1134.3	1134.3	1134.3	1134.3
1°	1131.8	1133.1	1134.0	1134.0	1134.0
2°	1128.6	1129.5	1130.9	1131.1	1132.9
3°	1121.1	1123.1	1125.4	1126.8	1127.7
4°	1112.0	1114.7	1116.1	1119.5	1122.4
5°	1099.0	1102.6	1103.8	1105.4	1110.6
6°	1081.5	1084.2	1086.5	1087.2	1090.3
7°	1058.3	1059.6	1059.2	1060.3	1066.0
8°	1023.0	1023.4	1027.3	1024.8	1028.7
9°	981.1	979.3	978.4	980.2	980.4
10°	934.2	928.1	926.3	924.7	927.2
11°	873.5	865.5	866.2	865.7	862.1
12°	797.9	797.0	791.1	792.2	797.7
13°	720.8	722.3	721.2	722.6	716.4
14°	648.4	640.6	642.7	635.0	637.9
15°	563.0	564.2	558.5	560.3	558.9
17.5°	360.5	363.0	361.2	359.6	362.1
20°	208.5	208.2	208.9	206.9	205.1
22.5°	109.7	111.3	113.3	113.6	114.9
25°	64.0	65.3	67.4	66.5	64.2
27.5°	39.1	41.6	44.8	42.6	39.8
30°	24.6	26.6	30.5	26.9	25.3
32.5°	13.9	16.8	20.0	16.8	13.9
35°	7.5	9.8	12.7	9.6	7.5
37.5°	5.0	5.7	8.4	5.7	5.0
40°	3.2	3.9	5.2	3.9	3.2
42.5°	1.8	2.5	3.0	2.5	1.8
45°	1.1	1.4	2.0	1.6	1.1
47.5°	0.5	0.7	1.4	0.7	0.7
50°	0.5	0.5	0.9	0.5	0.5
52.5°	0.5	0.5	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.5
60°	0.5	0.5	0.5	0.5	0.5
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.2	0.2	0.2	0.2	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: P1306399

CATALOG NUMBER: P3SQAS02R309027DE010 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)