

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: P1306365

Luminaire Tested: P3SQAS02R209027DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306365
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R209027DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

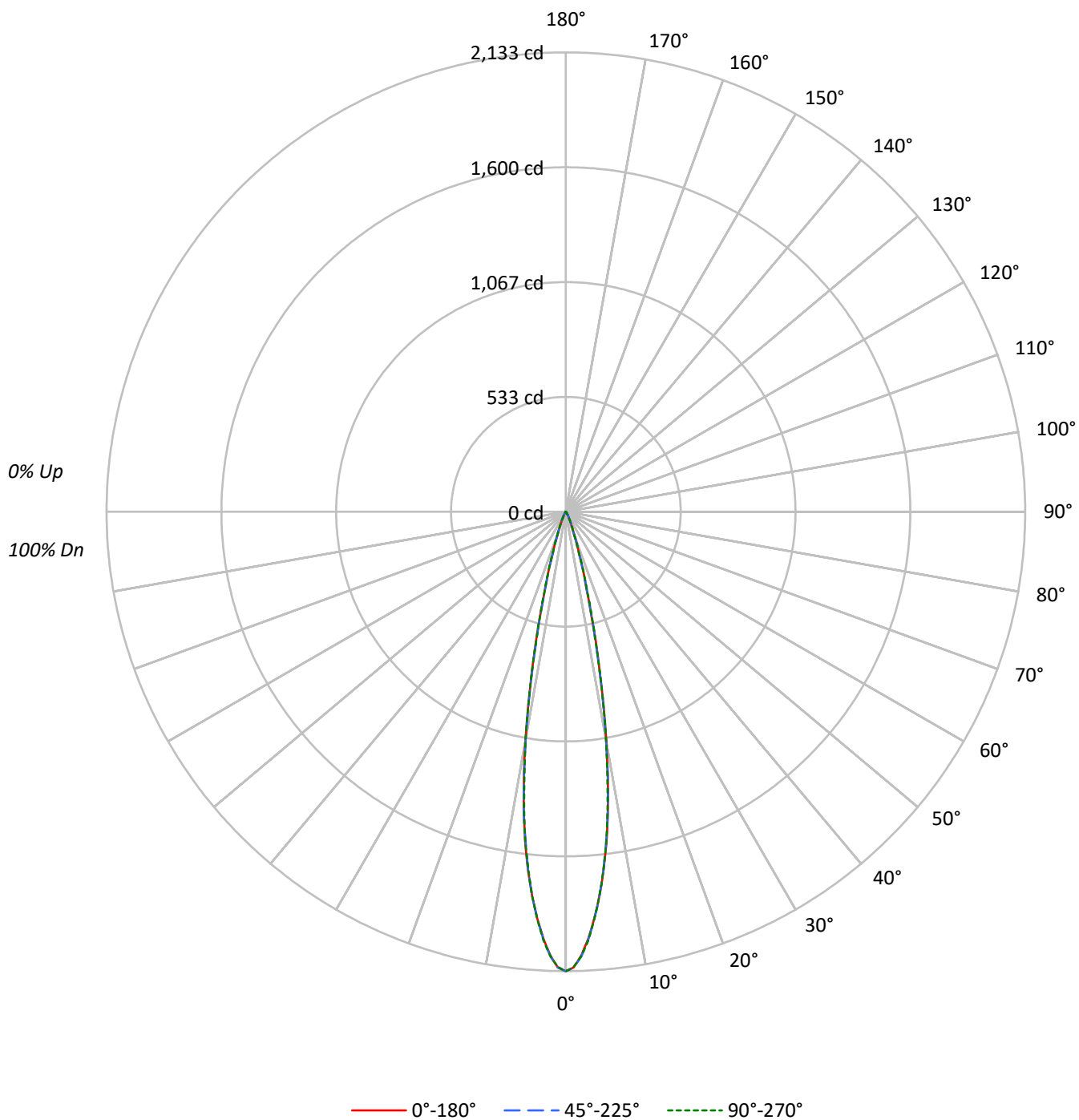
Lumens per Lamp: N/A
Luminaire Lumens: 294.0 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1306365

CATALOG NUMBER: P3SQAS02R209027DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1306365

CATALOG NUMBER: P3SQAS02R209027DE010 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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	98	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	95	95	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	93	93	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91	91	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	89	89	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	87	87	87
7	100	94	90	88	99	94	90	88	92	90	87	92	89	87	91	88	87	86	86	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	84	84	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	83	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	81	81	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	367420	367420	367420
5°	309681	309802	309646
10°	188712	187838	188275
15°	66469	66755	68823
20°	20893	21462	21003
25°	7829	8551	8038
30°	3023	4295	3162
35°	1156	1913	1240
40°	607	809	607
45°	219	390	268
50°	134	188	134
55°	150	150	150
60°	69	69	69
65°	82	82	82
70°	101	101	101
75°	0	0	133
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 390 cd/sqm

TEST NUMBER: P1306365

CATALOG NUMBER: P3SQAS02R209027DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.1	50.4
10°-20°	116.1	39.5
20°-30°	22.8	7.8
30°-40°	5.1	1.7
40°-50°	1.2	0.4
50°-60°	0.4	0.1
60°-70°	0.2	0.1
70°-80°	0.1	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°	287.0	97.6
0°-40°	292.1	99.4
0°-60°	293.7	99.9
0°-90°	294.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	294.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2133	2133	2133	2133	2133	
5°	1791	1793	1792	1798	1791	148
15°	373	374	374	383	386	116
25°	41	44	45	44	42	22
35°	6	7	9	7	6	4
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: P1306365

CATALOG NUMBER: P3SQAS02R209027DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2133.4	2133.4	2133.4	2133.4	2133.4
1°	2116.1	2111.6	2116.8	2112.7	2113.6
2°	2061.3	2058.8	2065.6	2061.3	2063.6
3°	1985.1	1981.9	1986.9	1987.2	1993.5
4°	1894.1	1888.0	1895.5	1895.7	1896.9
5°	1791.3	1792.9	1792.0	1798.1	1791.1
6°	1675.8	1681.0	1674.2	1677.6	1667.8
7°	1546.6	1540.0	1536.6	1537.7	1544.5
8°	1403.9	1399.4	1404.4	1397.3	1392.6
9°	1245.4	1237.4	1242.9	1236.1	1229.2
10°	1079.1	1075.5	1074.1	1066.4	1076.6
11°	912.4	901.5	906.9	903.1	914.2
12°	756.3	757.2	746.6	750.0	751.3
13°	615.5	601.0	602.8	612.1	613.7
14°	477.5	479.5	480.2	486.8	490.7
15°	372.8	374.4	374.4	382.6	386.0
17.5°	199.9	199.9	204.3	205.2	205.6
20°	114.0	114.6	117.1	116.9	114.6
22.5°	68.2	69.6	71.0	69.6	68.2
25°	41.2	43.9	45.0	44.4	42.3
27.5°	24.6	27.5	30.7	28.2	24.3
30°	15.2	16.8	21.6	17.3	15.9
32.5°	8.4	10.9	14.8	11.4	8.6
35°	5.5	6.6	9.1	6.6	5.9
37.5°	3.9	4.5	5.7	4.8	4.1
40°	2.7	3.2	3.6	3.4	2.7
42.5°	1.8	2.3	2.5	2.3	1.8
45°	0.9	1.4	1.6	1.4	1.1
47.5°	0.5	0.7	1.1	0.7	0.5
50°	0.5	0.5	0.7	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	0.2	0.5	0.2
60°	0.2	0.2	0.2	0.2	0.2
62.5°	0.2	0.2	0.2	0.2	0.2
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°	0.0	0.0	0.0	0.0	0.2
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: P1306365

CATALOG NUMBER: P3SQAS02R209027DE010 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)