

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: P1307603

Luminaire Tested: P3SQAS02R709030DE010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307603
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R709030DE010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

Summary

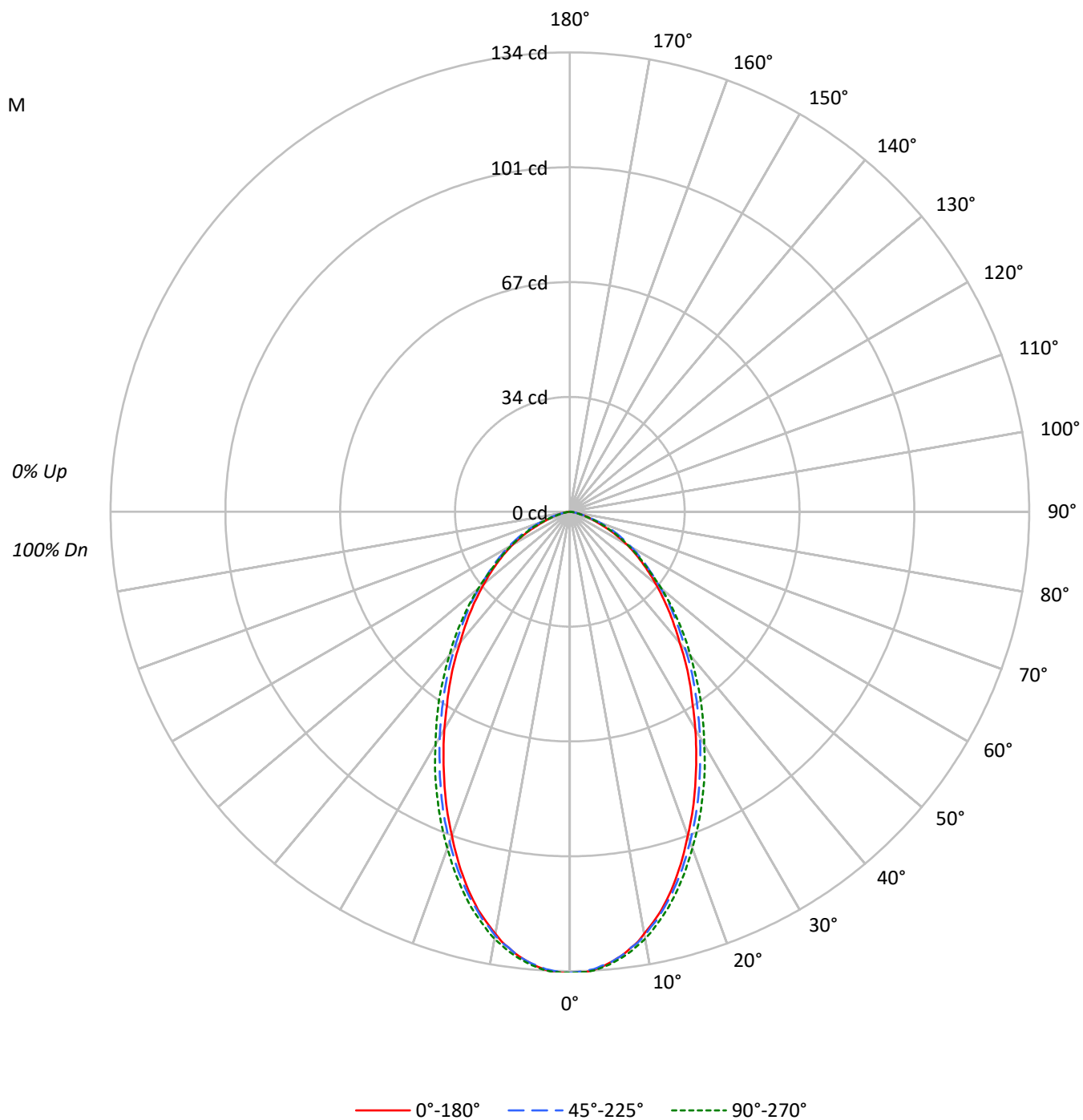
Lumens per Lamp: N/A
Luminaire Lumens: 202.0 lumens
Efficiency: N/A
Efficacy: 56.1 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1307603

CATALOG NUMBER: P3SQAS02R709030DE010 E3SQCLDWW1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1307603

CATALOG NUMBER: P3SQAS02R709030DE010 E3SQCLDWW1MW

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	111	107	104	101	109	105	102	99	101	98	96		97	95	93		94
2	103	96	91	86	101	95	89	85	91	87	83		88	84	81		85
3	95	87	80	75	93	85	79	74	82	77	73		80	75	71		77
4	89	78	71	65	87	77	70	65	75	69	64		73	67	63		71
5	83	71	64	58	81	70	63	58	68	62	57		67	61	57		65
6	77	65	58	52	75	64	57	52	63	56	51		61	55	51		60
7	72	60	52	47	70	59	52	47	58	51	47		57	51	46		55
8	68	56	48	43	66	55	48	43	54	47	42		53	47	42		51
9	64	52	44	39	62	51	44	39	50	44	39		49	43	39		48
10	60	48	41	36	59	48	41	36	47	40	36		46	40	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23164	23164	23164
5°	22838	22838	22924
10°	21860	21947	22122
15°	20379	20540	20807
20°	18438	18786	19152
25°	16475	16931	17406
30°	14557	15094	15591
35°	12825	13393	13960
40°	11196	11803	12298
45°	9937	10473	10814
50°	8761	9217	9351
55°	7687	8137	7927
60°	6648	7164	6820
65°	5257	6153	5583
70°	3827	4784	4179
75°	2928	3061	2595
80°	1984	1984	1488
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 10814 cd/sqm

TEST NUMBER: P1307603

CATALOG NUMBER: P3SQAS02R709030DE010 E3SQCLDWW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.4	6.1
10°-20°	32.2	15.9
20°-30°	40.9	20.3
30°-40°	39.8	19.7
40°-50°	33.1	16.4
50°-60°	23.9	11.8
60°-70°	14.0	7.0
70°-80°	5.0	2.5
80°-90°	0.7	0.4
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°	85.5	42.3
0°-40°	125.3	62.0
0°-60°	182.3	90.2
0°-90°	202.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	202.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	134	134	134	134	134	
5°	132	132	132	132	133	12
15°	114	114	115	116	117	32
25°	87	88	89	91	92	40
35°	61	62	64	65	66	38
45°	41	42	43	44	44	32
55°	26	26	27	27	26	23
65°	13	14	15	14	14	13
75°	4	5	5	4	4	5
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

TEST NUMBER: P1307603

CATALOG NUMBER: P3SQAS02R709030DE010 E3SQCLDWW1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	134.5	134.5	134.5	134.5	134.5
1°	134.5	134.3	134.3	134.3	134.5
2°	134.3	134.0	134.0	134.0	134.3
3°	133.8	133.6	133.6	133.6	134.0
4°	133.1	132.6	132.8	132.8	133.3
5°	132.1	131.8	132.1	132.1	132.6
6°	131.1	130.9	131.1	131.1	131.6
7°	129.9	129.6	129.9	130.1	130.6
8°	128.4	128.2	128.4	128.7	129.4
9°	127.0	126.7	127.2	127.4	127.9
10°	125.0	125.0	125.5	125.7	126.5
11°	123.1	123.1	123.5	124.0	124.8
12°	121.1	121.1	121.8	122.3	122.8
13°	119.1	118.9	119.6	120.1	120.9
14°	116.7	116.5	117.4	118.2	118.9
15°	114.3	114.3	115.2	116.0	116.7
17.5°	107.7	107.9	109.1	110.1	110.8
20°	100.6	101.3	102.5	103.8	104.5
22.5°	93.8	94.2	96.0	97.4	98.2
25°	86.7	87.7	89.1	90.8	91.6
27.5°	79.8	80.8	82.3	84.0	85.2
30°	73.2	74.0	75.9	77.6	78.4
32.5°	66.7	67.6	69.6	71.3	72.3
35°	61.0	61.8	63.7	65.4	66.4
37.5°	55.4	56.2	58.1	59.6	60.3
40°	49.8	51.0	52.5	54.0	54.7
42.5°	45.2	46.1	47.6	48.8	49.6
45°	40.8	41.5	43.0	43.9	44.4
47.5°	36.6	37.4	38.8	39.3	39.6
50°	32.7	33.4	34.4	34.7	34.9
52.5°	29.1	29.5	30.5	30.5	30.3
55°	25.6	26.4	27.1	26.9	26.4
57.5°	22.5	22.7	23.9	23.4	23.0
60°	19.3	19.8	20.8	20.3	19.8
62.5°	16.1	16.6	17.8	17.3	16.6
65°	12.9	13.9	15.1	14.4	13.7
67.5°	9.8	11.0	12.2	11.5	11.0
70°	7.6	8.5	9.5	8.8	8.3
72.5°	5.9	6.3	6.8	6.3	5.9
75°	4.4	4.6	4.6	4.2	3.9
77.5°	3.2	3.4	2.9	2.4	2.4
80°	2.0	2.2	2.0	1.5	1.5
82.5°	1.0	1.2	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	0.5
87.5°	0.2	0.2	0.2	0.2	0.2



TEST NUMBER: P1307603
CATALOG NUMBER: P3SQAS02R709030DE010 E3SQCLDWW1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)