

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: P1315889

Luminaire Tested: P3SQAS02R709827DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315889
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R709827DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

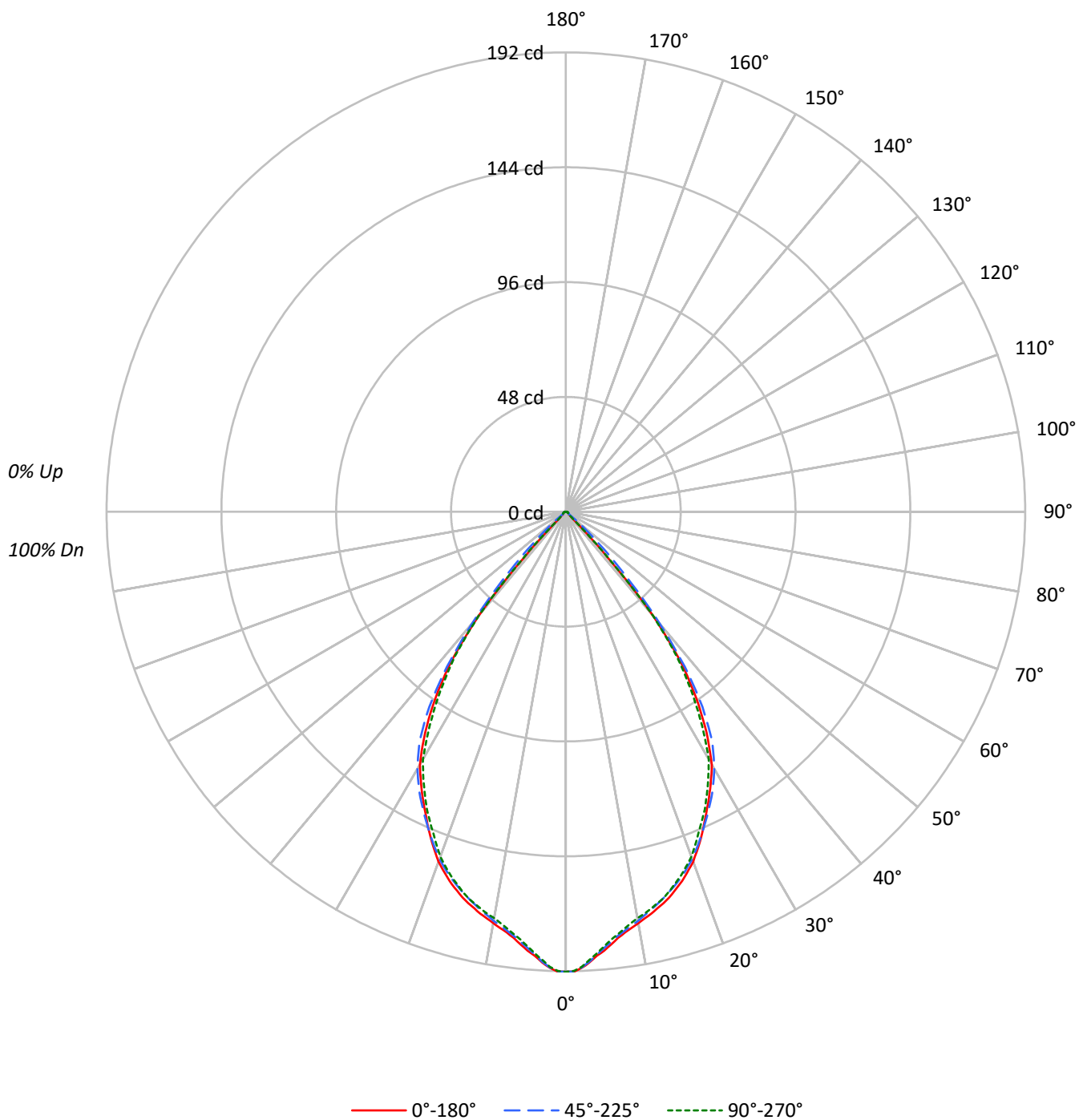
Lumens per Lamp: N/A
Luminaire Lumens: 205.0 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	95	89	85	99	93	88	84	90	86	83		88	85	82		86
4	96	88	82	77	94	87	81	77	84	80	76		82	78	75		81
5	91	82	76	71	89	81	75	71	79	74	70		77	73	69		76
6	86	76	70	65	84	75	69	65	74	69	65		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	62	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	48	68	58	52	48	57	52	48		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	33118	33118	33118
5°	31827	31654	31533
10°	30534	30359	30149
15°	29758	29437	29401
20°	28518	28298	28114
25°	26395	26585	26091
30°	24262	24679	23764
35°	19994	20940	19237
40°	12725	13714	12725
45°	901	5918	974
50°	402	1206	402
55°	450	450	450
60°	448	448	448
65°	408	489	408
70°	403	504	403
75°	466	466	466
80°	496	496	496
85°	395	593	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 5918 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.2	8.4
10°-20°	46.4	22.7
20°-30°	63.8	31.1
30°-40°	58.5	28.5
40°-50°	15.5	7.6
50°-60°	1.4	0.7
60°-70°	1.1	0.5
70°-80°	0.8	0.4
80°-90°	0.3	0.1
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°	127.4	62.2
0°-40°	185.9	90.7
0°-60°	202.8	98.9
0°-90°	205.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	205.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	192	192	192	192	192	
5°	184	183	183	183	182	17
15°	167	165	165	165	165	47
25°	139	139	140	138	137	64
35°	95	97	100	95	92	58
45°	4	12	24	13	4	11
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	192.3	192.3	192.3	192.3	192.3
1°	192.3	191.9	192.3	192.3	191.9
2°	190.8	190.4	190.6	190.4	190.3
3°	188.6	188.1	188.3	187.9	187.6
4°	186.1	185.6	185.6	185.4	185.1
5°	184.1	183.3	183.1	182.8	182.4
6°	181.8	180.9	180.8	180.3	179.9
7°	179.4	178.8	178.6	177.9	177.9
8°	177.6	176.8	176.8	175.9	175.9
9°	176.1	175.1	175.1	174.4	174.1
10°	174.6	173.6	173.6	172.8	172.4
11°	173.1	172.3	171.9	171.4	171.3
12°	171.8	170.6	170.3	170.1	169.8
13°	170.1	168.9	168.6	168.4	168.3
14°	168.6	167.1	166.9	166.6	166.8
15°	166.9	165.4	165.1	165.1	164.9
17.5°	161.8	160.8	160.3	159.9	159.6
20°	155.6	154.8	154.4	153.8	153.4
22.5°	147.6	147.4	147.3	146.4	145.1
25°	138.9	139.4	139.9	138.3	137.3
27.5°	130.6	132.0	132.5	130.8	128.6
30°	122.0	123.1	124.1	121.8	119.5
32.5°	109.5	112.3	113.8	111.1	105.8
35°	95.1	96.6	99.6	95.1	91.5
37.5°	78.5	79.3	81.6	78.6	76.1
40°	56.6	59.1	61.0	59.1	56.6
42.5°	25.5	35.7	40.3	37.7	26.7
45°	3.7	12.5	24.3	12.7	4.0
47.5°	1.5	2.0	12.7	1.8	1.5
50°	1.5	1.5	4.5	1.5	1.5
52.5°	1.5	1.5	1.7	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.3	1.3	1.5	1.3	1.3
60°	1.3	1.3	1.3	1.3	1.3
62.5°	1.2	1.3	1.3	1.3	1.2
65°	1.0	1.2	1.2	1.2	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	0.8	1.0	1.0	1.0	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.5	0.7	0.7	0.7	0.5
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.3	0.3	0.3	0.3	0.3
85°	0.2	0.3	0.3	0.3	0.2
87.5°	0.2	0.2	0.2	0.2	0.2



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)