

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: P1312031

Luminaire Tested: P3SQAS02R709727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312031
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: P3SQAS02R709727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

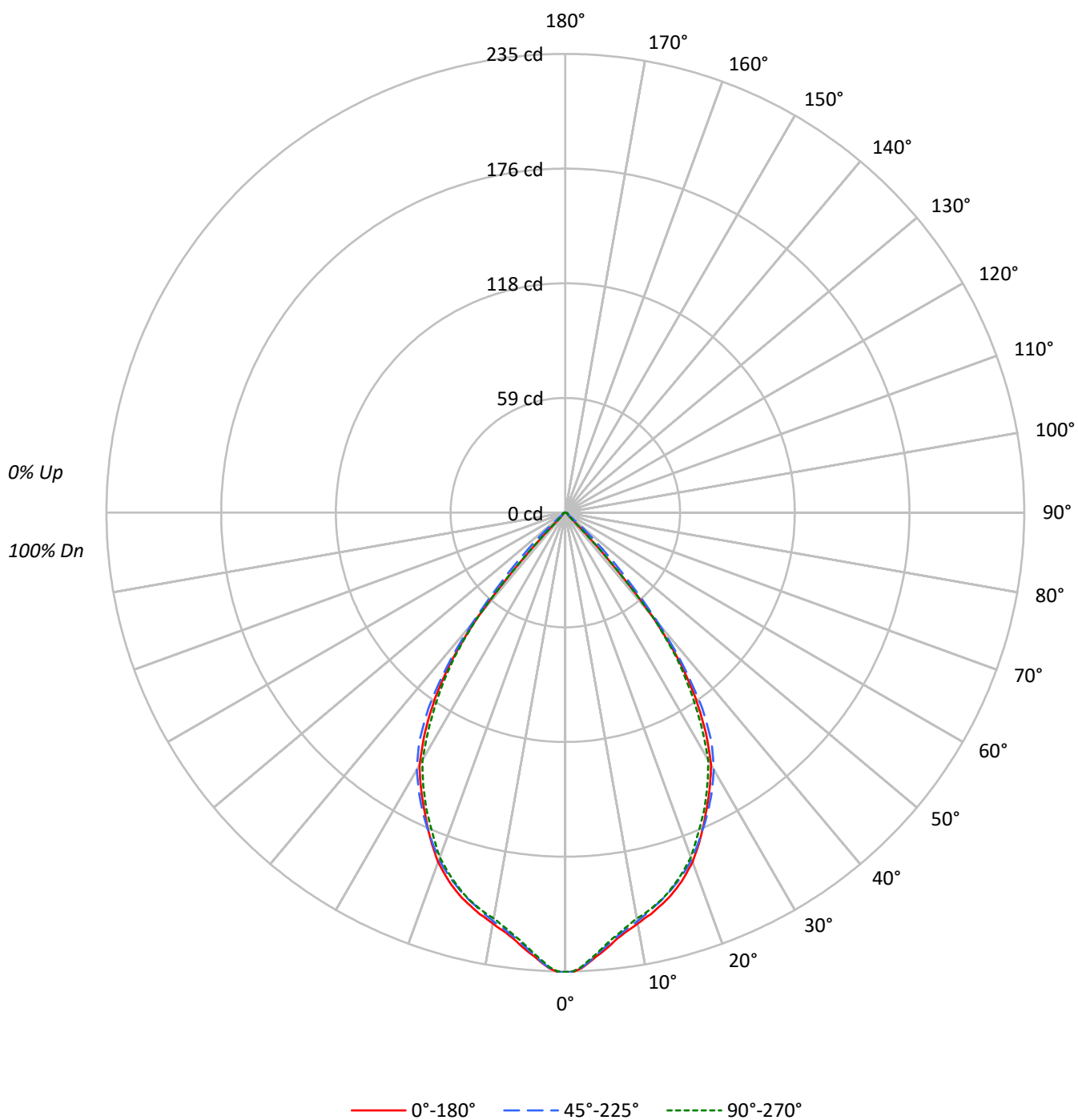
Lumens per Lamp: N/A
Luminaire Lumens: 250.9 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	40541	40541	40541
5°	38967	38760	38622
10°	37389	37179	36917
15°	36444	36052	35998
20°	34914	34657	34437
25°	32324	32571	31943
30°	29691	30228	29094
35°	24494	25650	23547
40°	15603	16794	15603
45°	1096	7258	1193
50°	482	1474	482
55°	540	540	540
60°	551	551	551
65°	489	571	489
70°	504	604	504
75°	532	532	532
80°	595	595	595
85°	395	790	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 7258 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.0	8.4
10°-20°	56.9	22.7
20°-30°	78.2	31.2
30°-40°	71.6	28.5
40°-50°	19.0	7.6
50°-60°	1.7	0.7
60°-70°	1.4	0.5
70°-80°	0.9	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°	156.0	62.2
0°-40°	227.7	90.7
0°-60°	248.3	99.0
0°-90°	250.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	250.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	235	235	235	235	235	
5°	225	224	224	224	223	21
15°	204	203	202	202	202	57
25°	170	171	171	169	168	78
35°	116	118	122	116	112	71
45°	4	15	30	16	5	13
55°	2	2	2	2	2	2
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°	235.4	235.4	235.4	235.4	235.4
1°	235.4	235.0	235.4	235.4	235.0
2°	233.6	233.2	233.4	233.2	233.0
3°	230.9	230.3	230.5	230.1	229.7
4°	227.9	227.2	227.2	227.0	226.6
5°	225.4	224.4	224.2	223.8	223.4
6°	222.6	221.5	221.3	220.7	220.3
7°	219.7	218.9	218.7	217.9	217.9
8°	217.5	216.4	216.4	215.4	215.4
9°	215.6	214.4	214.4	213.6	213.2
10°	213.8	212.6	212.6	211.5	211.1
11°	211.9	210.9	210.5	209.9	209.7
12°	210.3	208.9	208.5	208.3	207.9
13°	208.3	206.8	206.4	206.2	206.0
14°	206.4	204.6	204.4	204.0	204.2
15°	204.4	202.6	202.2	202.2	201.9
17.5°	198.1	196.8	196.2	195.8	195.4
20°	190.5	189.5	189.1	188.3	187.9
22.5°	180.7	180.5	180.3	179.3	177.7
25°	170.1	170.7	171.4	169.3	168.1
27.5°	159.9	161.6	162.2	160.1	157.5
30°	149.3	150.7	152.0	149.1	146.3
32.5°	134.0	137.5	139.3	136.1	129.5
35°	116.5	118.3	122.0	116.5	112.0
37.5°	96.1	97.1	100.0	96.3	93.2
40°	69.4	72.4	74.7	72.4	69.4
42.5°	31.2	43.7	49.4	46.1	32.6
45°	4.5	15.3	29.8	15.5	4.9
47.5°	1.8	2.4	15.5	2.2	1.8
50°	1.8	1.8	5.5	1.8	1.8
52.5°	1.8	1.8	2.0	1.8	1.8
55°	1.8	1.8	1.8	1.8	1.8
57.5°	1.6	1.6	1.8	1.6	1.6
60°	1.6	1.6	1.6	1.6	1.6
62.5°	1.4	1.6	1.6	1.6	1.4
65°	1.2	1.4	1.4	1.4	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	1.0	1.2	1.2	1.2	1.0
72.5°	1.0	1.0	1.0	1.0	1.0
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.6	0.8	0.8	0.8	0.6
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.4	0.4	0.4	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)