

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: P1313003

Luminaire Tested: P3SQAS02R709730DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313003
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: P3SQAS02R709730DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

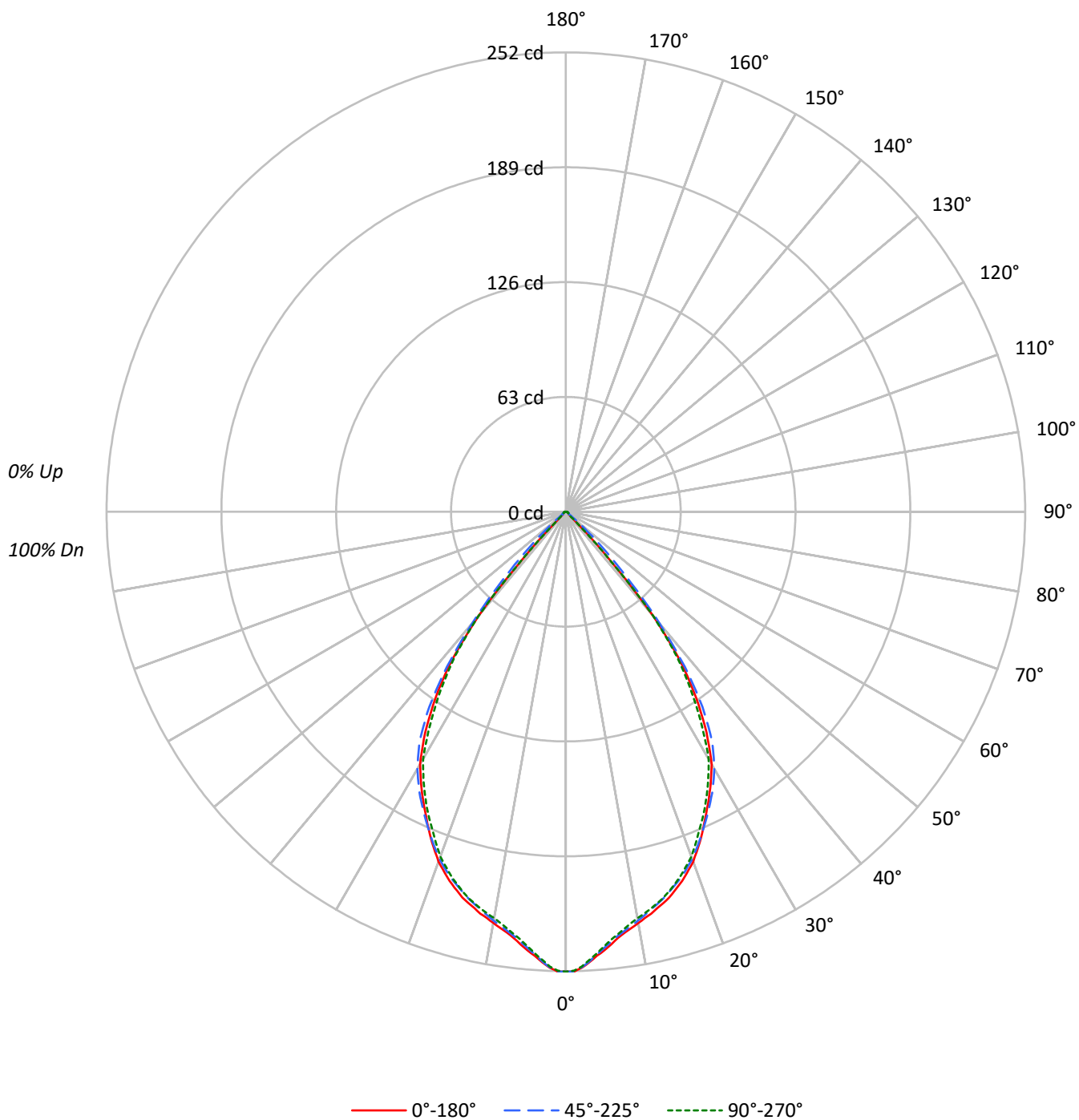
Lumens per Lamp: N/A
Luminaire Lumens: 269.0 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	43452	43452	43452
5°	41768	41543	41388
10°	40065	39838	39575
15°	39065	38619	38584
20°	37425	37150	36893
25°	34642	34889	34224
30°	31818	32395	31162
35°	26239	27479	25229
40°	16704	17986	16704
45°	1169	7770	1267
50°	536	1581	536
55°	601	601	601
60°	586	586	586
65°	530	611	530
70°	554	655	554
75°	599	599	599
80°	694	694	694
85°	395	790	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 7770 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.5	8.4
10°-20°	61.0	22.7
20°-30°	83.8	31.1
30°-40°	76.7	28.5
40°-50°	20.4	7.6
50°-60°	1.8	0.7
60°-70°	1.5	0.5
70°-80°	1.0	0.4
80°-90°	0.4	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°	167.2	62.2
0°-40°	244.0	90.7
0°-60°	266.2	99.0
0°-90°	269.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	269.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	252	252	252	252	252	
5°	242	240	240	240	239	23
15°	219	217	217	217	216	61
25°	182	183	184	182	180	84
35°	125	127	131	125	120	76
45°	5	16	32	17	5	14
55°	2	2	2	2	2	2
65°	1	2	2	2	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°	252.3	252.3	252.3	252.3	252.3
1°	252.3	251.8	252.3	252.3	251.8
2°	250.3	249.9	250.1	249.9	249.7
3°	247.5	246.8	247.0	246.6	246.2
4°	244.2	243.5	243.5	243.3	242.9
5°	241.6	240.5	240.3	239.8	239.4
6°	238.5	237.4	237.2	236.5	236.1
7°	235.5	234.6	234.4	233.5	233.5
8°	233.0	232.0	232.0	230.9	230.9
9°	231.1	229.8	229.8	228.9	228.5
10°	229.1	227.8	227.8	226.7	226.3
11°	227.1	226.0	225.6	225.0	224.7
12°	225.4	223.9	223.4	223.2	222.8
13°	223.2	221.7	221.2	221.0	220.8
14°	221.2	219.3	219.1	218.6	218.8
15°	219.1	217.1	216.6	216.6	216.4
17.5°	212.3	211.0	210.3	209.9	209.4
20°	204.2	203.1	202.7	201.8	201.3
22.5°	193.7	193.5	193.3	192.2	190.4
25°	182.3	183.0	183.6	181.5	180.1
27.5°	171.4	173.1	173.8	171.6	168.8
30°	160.0	161.6	162.9	159.8	156.7
32.5°	143.6	147.3	149.3	145.8	138.8
35°	124.8	126.8	130.7	124.8	120.0
37.5°	103.0	104.1	107.1	103.2	99.9
40°	74.3	77.6	80.0	77.6	74.3
42.5°	33.4	46.8	52.9	49.4	35.0
45°	4.8	16.4	31.9	16.6	5.2
47.5°	2.0	2.6	16.6	2.4	2.0
50°	2.0	2.0	5.9	2.0	2.0
52.5°	2.0	2.0	2.2	2.0	2.0
55°	2.0	2.0	2.0	2.0	2.0
57.5°	1.7	1.7	2.0	1.7	1.7
60°	1.7	1.7	1.7	1.7	1.7
62.5°	1.5	1.7	1.7	1.7	1.5
65°	1.3	1.5	1.5	1.5	1.3
67.5°	1.3	1.3	1.3	1.3	1.3
70°	1.1	1.3	1.3	1.3	1.1
72.5°	1.1	1.1	1.1	1.1	1.1
75°	0.9	0.9	0.9	0.9	0.9
77.5°	0.7	0.9	0.9	0.9	0.7
80°	0.7	0.7	0.7	0.7	0.7
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)