

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: P1305510

Luminaire Tested: P3SQAS02R709024DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305510
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: P3SQAS02R709024DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

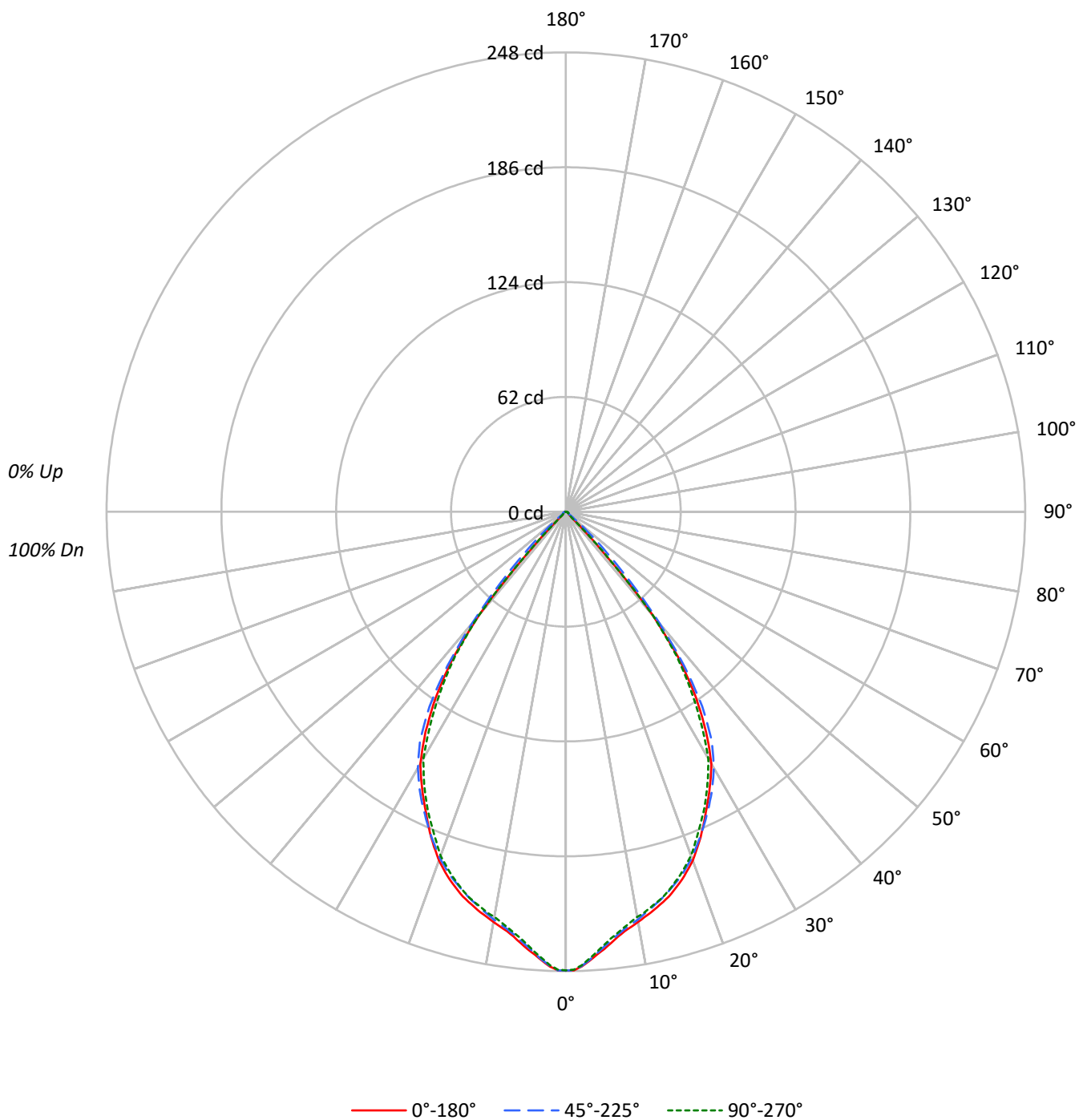
Lumens per Lamp: N/A
Luminaire Lumens: 264.0 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	42642	42642	42642
5°	40990	40765	40610
10°	39330	39103	38841
15°	38334	37906	37870
20°	36728	36453	36215
25°	33996	34243	33597
30°	31242	31779	30586
35°	25755	26974	24767
40°	16389	17648	16389
45°	1145	7623	1242
50°	509	1554	509
55°	570	570	570
60°	586	586	586
65°	530	611	530
70°	554	655	554
75°	599	599	599
80°	595	595	595
85°	395	790	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 7623 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.1	8.4
10°-20°	59.8	22.7
20°-30°	82.2	31.1
30°-40°	75.3	28.5
40°-50°	20.0	7.6
50°-60°	1.8	0.7
60°-70°	1.5	0.6
70°-80°	1.0	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°	164.1	62.2
0°-40°	239.4	90.7
0°-60°	261.2	98.9
0°-90°	264.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	264.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	248	248	248	248	248	
5°	237	236	236	235	235	22
15°	215	213	213	213	212	60
25°	179	180	180	178	177	82
35°	122	124	128	122	118	74
45°	5	16	31	16	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°	247.6	247.6	247.6	247.6	247.6
1°	247.6	247.2	247.6	247.6	247.2
2°	245.7	245.2	245.4	245.2	245.0
3°	242.9	242.2	242.4	242.0	241.6
4°	239.7	239.0	239.0	238.8	238.4
5°	237.1	236.0	235.8	235.4	234.9
6°	234.1	233.0	232.8	232.1	231.7
7°	231.1	230.2	230.0	229.1	229.1
8°	228.7	227.6	227.6	226.6	226.6
9°	226.8	225.5	225.5	224.6	224.2
10°	224.9	223.6	223.6	222.5	222.1
11°	222.9	221.8	221.4	220.8	220.6
12°	221.2	219.7	219.3	219.1	218.6
13°	219.1	217.6	217.1	216.9	216.7
14°	217.1	215.2	215.0	214.6	214.8
15°	215.0	213.1	212.6	212.6	212.4
17.5°	208.3	207.0	206.4	206.0	205.5
20°	200.4	199.3	198.9	198.0	197.6
22.5°	190.1	189.9	189.7	188.6	186.9
25°	178.9	179.6	180.2	178.1	176.8
27.5°	168.2	169.9	170.6	168.4	165.6
30°	157.1	158.6	159.8	156.8	153.8
32.5°	141.0	144.6	146.5	143.1	136.2
35°	122.5	124.4	128.3	122.5	117.8
37.5°	101.1	102.1	105.1	101.3	98.1
40°	72.9	76.2	78.5	76.2	72.9
42.5°	32.8	45.9	51.9	48.5	34.3
45°	4.7	16.1	31.3	16.3	5.1
47.5°	1.9	2.6	16.3	2.4	1.9
50°	1.9	1.9	5.8	1.9	1.9
52.5°	1.9	1.9	2.1	1.9	1.9
55°	1.9	1.9	1.9	1.9	1.9
57.5°	1.7	1.7	1.9	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°	0.6	0.9	0.9	0.9	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)