

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: P1311321

Luminaire Tested: P3SQAS13R309050DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311321
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R309050DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

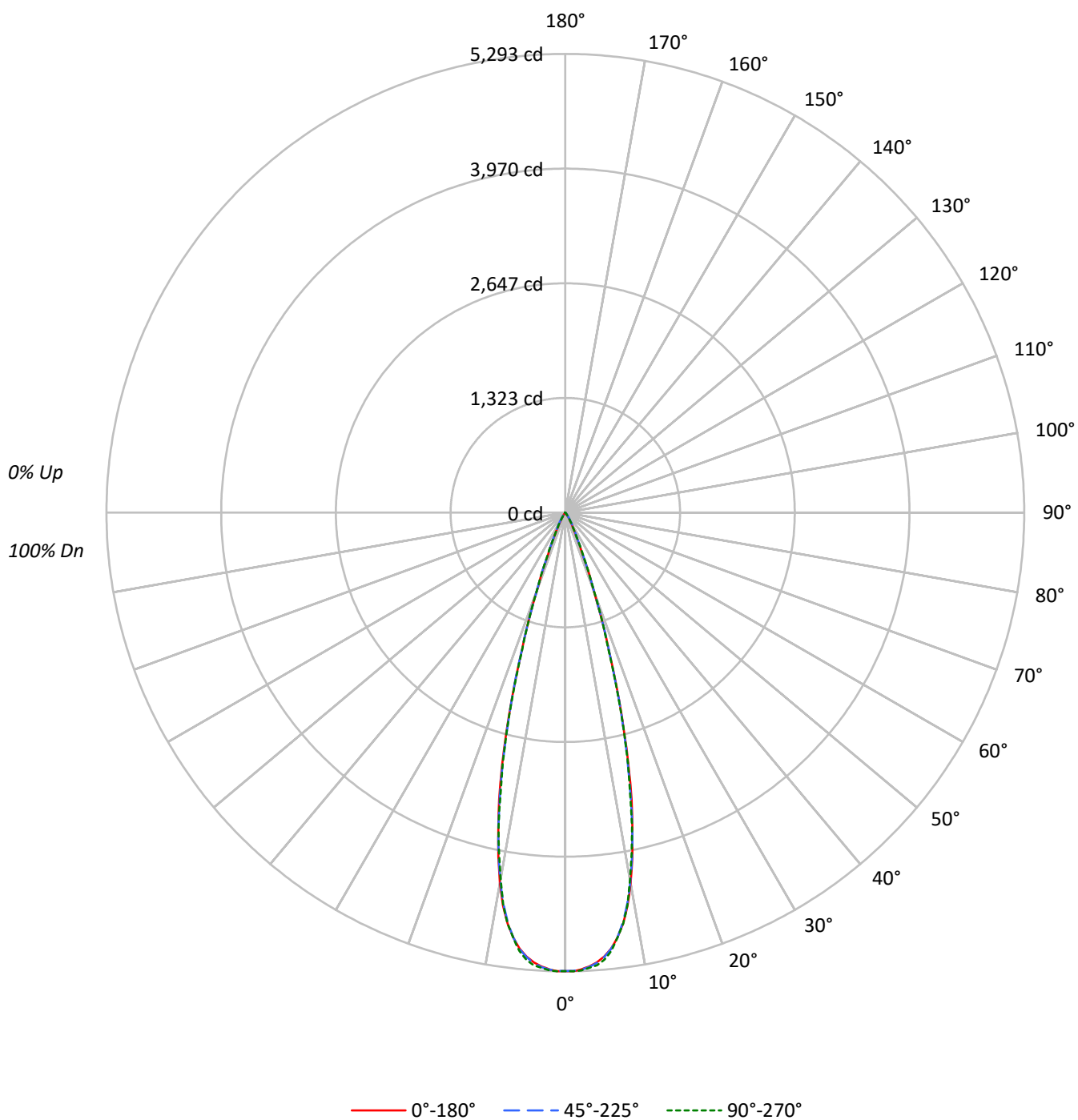
Lumens per Lamp: N/A
Luminaire Lumens: 1365.0 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	96	95
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	93	92
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	85	84
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	80	79
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	911058	911058	911058
5°	888848	889954	894899
10°	759134	755619	751160
15°	468478	462986	464698
20°	177062	178034	177832
25°	54462	59706	56894
30°	21955	27861	22810
35°	6476	11837	6686
40°	2630	4766	2630
45°	511	1559	511
50°	0	295	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1559 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	466.6	34.2
10°-20°	690.8	50.6
20°-30°	171.3	12.6
30°-40°	32.2	2.4
40°-50°	4.1	0.3
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1328.7	97.3
0°-40°	1360.9	99.7
0°-60°	1365.0	100.0
0°-90°	1365.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1365.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5290	5290	5290	5290	5290	
5°	5141	5139	5148	5156	5176	467
15°	2628	2602	2597	2617	2606	694
25°	287	306	314	313	299	165
35°	31	40	56	41	32	26
45°	2	3	6	4	2	2
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	5290.0	5290.0	5290.0	5290.0	5290.0
1°	5292.1	5287.9	5287.9	5281.5	5293.2
2°	5273.0	5268.8	5276.2	5270.9	5285.8
3°	5244.4	5239.1	5249.7	5252.9	5260.3
4°	5201.9	5197.7	5209.3	5215.7	5235.9
5°	5141.4	5139.3	5147.8	5156.3	5176.4
6°	5058.6	5055.4	5060.7	5071.3	5084.1
7°	4938.6	4932.3	4936.5	4938.6	4941.8
8°	4786.8	4777.3	4771.9	4783.6	4790.0
9°	4591.5	4580.9	4569.2	4564.9	4579.8
10°	4340.9	4325.0	4320.8	4310.1	4295.3
11°	4050.1	4037.3	4034.1	4015.0	4006.5
12°	3716.7	3710.3	3717.8	3706.1	3701.8
13°	3397.2	3356.8	3351.5	3329.2	3317.5
14°	3019.2	2982.1	2981.0	2969.3	2985.3
15°	2627.5	2602.0	2596.7	2616.9	2606.3
17.5°	1675.2	1692.2	1688.0	1677.3	1659.3
20°	966.1	954.4	971.4	975.6	970.3
22.5°	514.9	519.1	522.3	535.1	543.5
25°	286.6	305.7	314.2	313.2	299.4
27.5°	178.4	190.0	206.0	195.3	183.7
30°	110.4	120.0	140.1	121.0	114.7
32.5°	59.5	75.4	90.2	75.4	61.6
35°	30.8	40.3	56.3	41.4	31.8
37.5°	20.2	23.4	36.1	23.4	20.2
40°	11.7	14.9	21.2	14.9	11.7
42.5°	5.3	8.5	11.7	8.5	5.3
45°	2.1	3.2	6.4	4.2	2.1
47.5°	0.0	1.1	3.2	1.1	0.0
50°	0.0	0.0	1.1	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)