

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: P1306550

Luminaire Tested: P3SQAS05R259027DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306550
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R259027DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

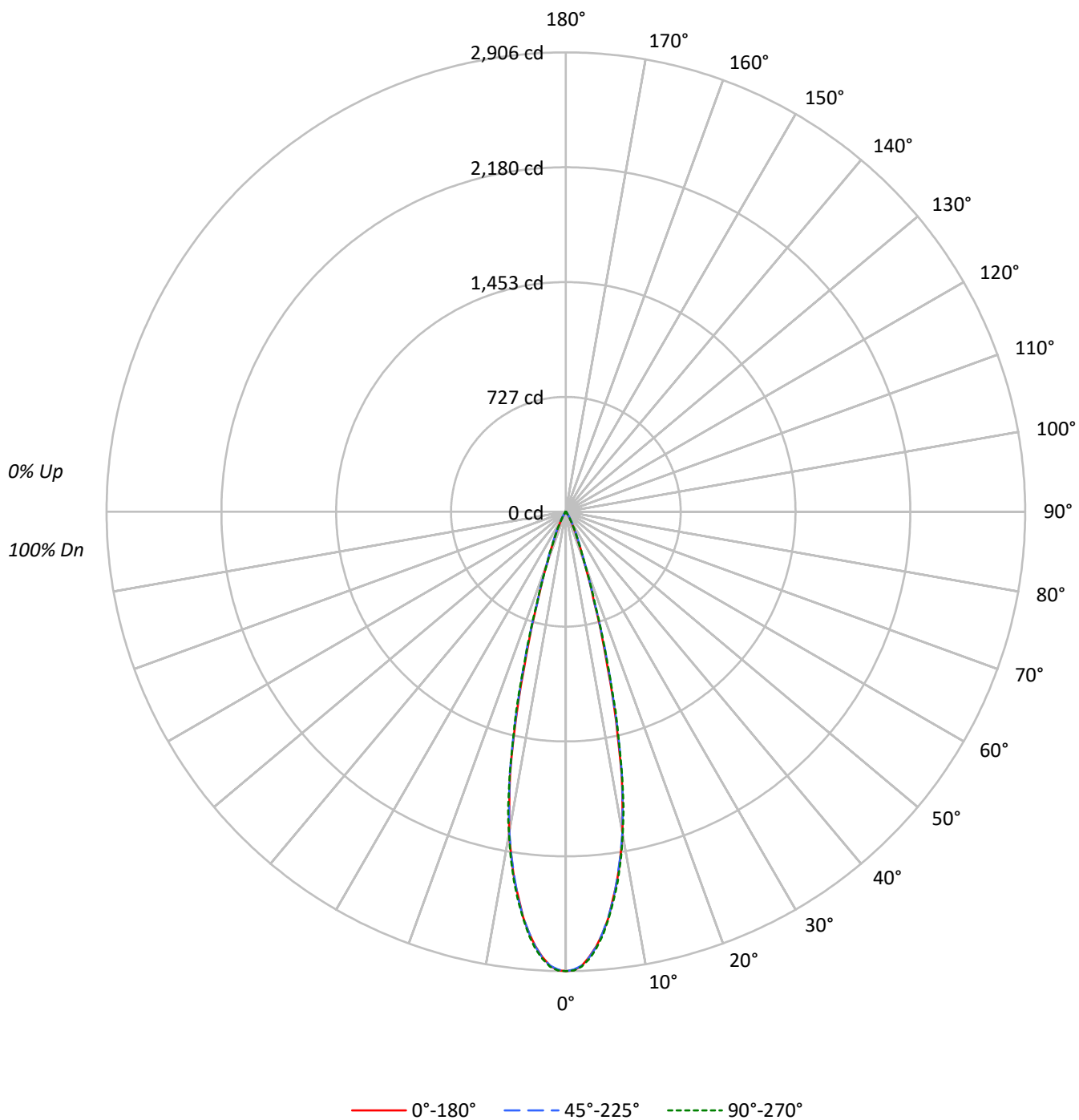
Lumens per Lamp: N/A
Luminaire Lumens: 614.0 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	115	113	111	110	113	111	109	108	107	106	105		103	102	102		100
2	112	108	105	103	110	107	104	102	103	101	100		101	99	97		98
3	108	104	100	98	107	103	99	97	100	98	95		98	96	94		96
4	105	100	96	93	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	92	90	94	91	89		93	90	88		91
6	100	94	90	87	98	93	89	87	92	88	86		90	88	86		89
7	97	91	87	84	96	90	87	84	89	86	84		88	85	83		87
8	95	88	84	82	94	88	84	82	87	84	81		86	83	81		85
9	92	86	82	80	91	86	82	79	85	82	79		84	81	79		83
10	90	84	80	78	89	84	80	77	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	500548	500548	500548
5°	462352	462179	464772
10°	361161	360182	362630
15°	181686	189281	189121
20°	62167	63890	62863
25°	24989	28086	26053
30°	10142	12091	9864
35°	2943	5319	2943
40°	1371	2316	1371
45°	463	901	463
50°	241	375	241
55°	270	270	270
60°	310	310	310
65°	204	204	204
70°	252	252	252
75°	333	333	333
80°	0	496	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 901 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.8	38.4
10°-20°	288.6	47.0
20°-30°	70.5	11.5
30°-40°	14.6	2.4
40°-50°	2.5	0.4
50°-60°	0.8	0.1
60°-70°	0.7	0.1
70°-80°	0.5	0.1
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°	594.9	96.9
0°-40°	609.5	99.3
0°-60°	612.8	99.8
0°-90°	614.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	614.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2906	2906	2906	2906	2906	
5°	2674	2677	2673	2679	2688	236
15°	1019	1036	1062	1066	1061	285
25°	132	138	148	139	137	67
35°	14	20	25	19	14	12
45°	2	3	4	3	2	2
55°	1	1	1	1	1	1
65°	0	1	0	0	0	1
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°	2906.4	2906.4	2906.4	2906.4	2906.4
1°	2900.8	2897.1	2896.1	2896.6	2901.3
2°	2874.6	2872.3	2871.8	2873.2	2879.8
3°	2821.3	2824.1	2825.0	2829.7	2833.0
4°	2755.8	2761.4	2759.1	2764.7	2768.4
5°	2674.4	2676.7	2673.4	2679.0	2688.4
6°	2579.4	2571.0	2578.9	2581.3	2587.8
7°	2461.0	2462.9	2465.7	2468.5	2478.3
8°	2344.5	2338.9	2337.5	2350.6	2358.6
9°	2208.4	2209.3	2204.2	2219.1	2221.5
10°	2065.2	2053.5	2059.6	2071.3	2073.6
11°	1876.2	1872.9	1881.8	1900.0	1914.5
12°	1698.9	1700.7	1710.1	1716.2	1712.9
13°	1464.4	1478.5	1490.2	1496.3	1488.3
14°	1252.5	1252.5	1267.5	1269.8	1298.4
15°	1019.0	1036.3	1061.6	1066.3	1060.7
17.5°	588.6	590.9	603.1	602.6	611.5
20°	339.2	342.5	348.6	347.2	343.0
22.5°	204.0	211.0	225.5	213.8	210.5
25°	131.5	137.6	147.8	139.4	137.1
27.5°	82.3	86.6	94.5	87.0	83.3
30°	51.0	53.3	60.8	53.8	49.6
32.5°	27.6	33.7	39.8	33.7	27.6
35°	14.0	19.7	25.3	19.2	14.0
37.5°	9.4	11.2	16.4	10.8	9.4
40°	6.1	7.5	10.3	7.5	6.1
42.5°	3.3	4.7	5.6	5.1	3.3
45°	1.9	2.8	3.7	2.8	1.9
47.5°	1.4	1.4	2.3	1.4	0.9
50°	0.9	0.9	1.4	0.9	0.9
52.5°	0.9	0.9	0.9	0.9	0.9
55°	0.9	0.9	0.9	0.9	0.9
57.5°	0.9	0.9	0.9	0.9	0.9
60°	0.9	0.9	0.9	0.9	0.9
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.5	0.9	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.5	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)