

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: P1305581

Luminaire Tested: P3SQAS05R259024DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305581
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R259024DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

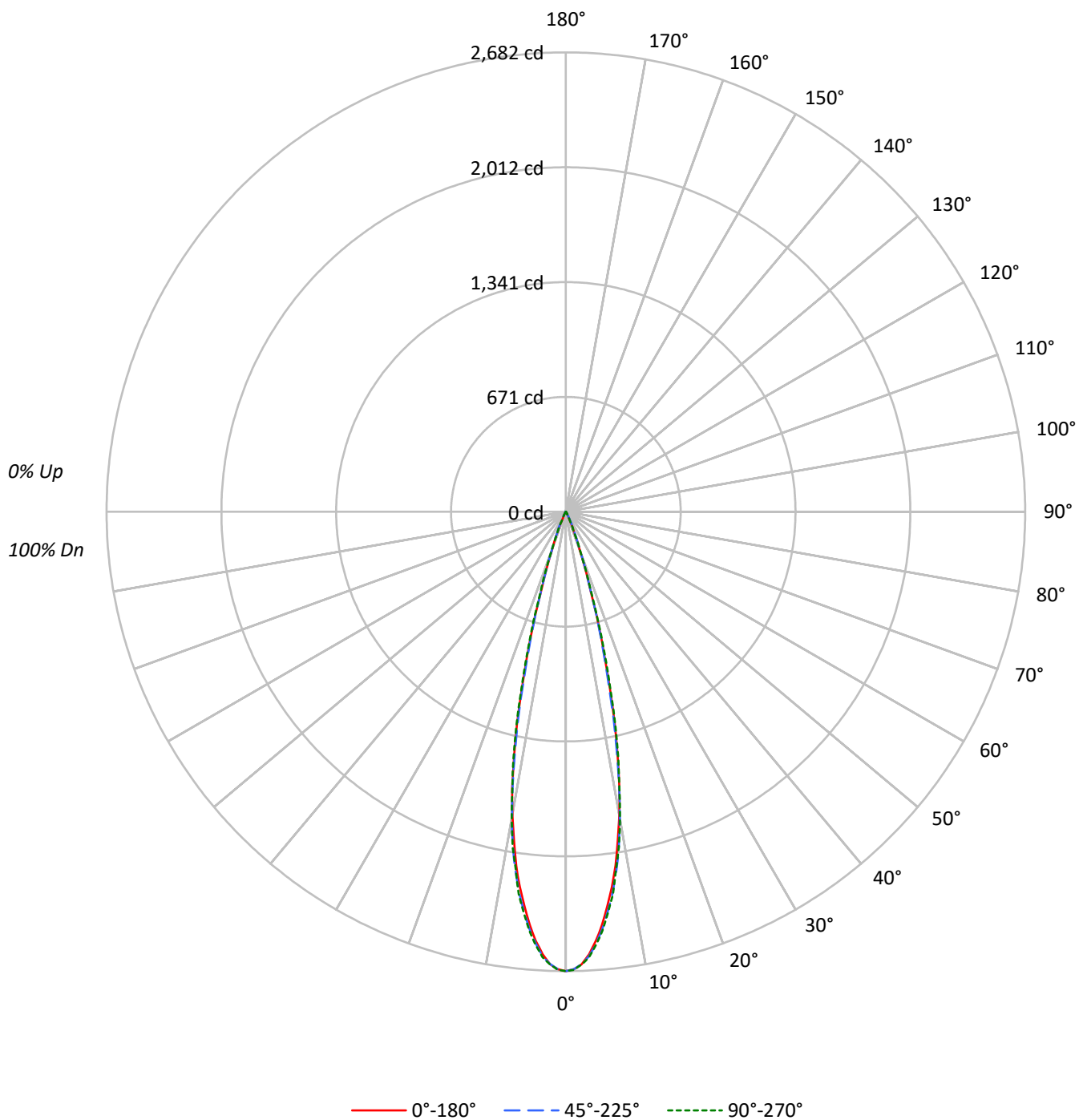
Lumens per Lamp: N/A
Luminaire Lumens: 495.0 lumens
Efficiency: N/A
Efficacy: 68.7 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	112	110	113	111	110	108	107	106	105		104	103	102		100
2	112	109	106	104	110	107	105	103	104	102	101		101	100	98		99
3	109	105	102	99	107	104	101	98	101	99	97		99	97	95		97
4	106	101	98	95	105	100	97	95	99	96	94		97	94	93		95
5	104	98	95	92	102	98	94	92	96	93	91		95	92	90		93
6	101	96	92	89	100	95	92	89	94	91	89		93	90	88		91
7	99	93	89	87	98	93	89	87	92	89	86		91	88	86		90
8	97	91	87	85	96	90	87	85	90	86	84		89	86	84		88
9	95	89	85	83	94	88	85	83	88	85	82		87	84	82		86
10	93	87	83	81	92	86	83	81	86	83	81		85	82	80		85

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	461936	461936	461936
5°	418596	422416	424473
10°	314678	316917	318386
15°	155815	151179	161253
20°	44004	44738	45214
25°	7639	14423	9064
30°	2983	3063	3162
35°	925	1030	1030
40°	292	405	292
45°	219	97	219
50°	107	0	107
55°	120	0	120
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: 0°

Vertical Angle: 45°

Luminance: 219 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.1	43.0
10°-20°	240.3	48.5
20°-30°	37.3	7.5
30°-40°	3.8	0.8
40°-50°	0.5	0.1
50°-60°	0.1	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°	490.6	99.1
0°-40°	494.4	99.9
0°-60°	495.0	100.0
0°-90°	495.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	495.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2682	2682	2682	2682	2682	
5°	2421	2426	2443	2453	2455	211
15°	874	868	848	886	904	239
25°	40	60	76	58	48	34
35°	4	5	5	5	5	4
45°	1	0	0	0	1	1
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°	2682.2	2682.2	2682.2	2682.2	2682.2
1°	2671.1	2674.7	2670.7	2675.1	2674.7
2°	2643.3	2646.9	2642.0	2644.7	2644.7
3°	2586.4	2593.9	2598.3	2601.4	2604.0
4°	2511.4	2519.7	2526.4	2534.3	2534.3
5°	2421.3	2425.7	2443.4	2453.1	2455.3
6°	2314.1	2331.7	2345.0	2364.4	2352.5
7°	2206.8	2221.4	2239.9	2243.0	2251.4
8°	2085.0	2100.5	2117.7	2114.6	2107.5
9°	1936.7	1959.2	1979.5	1972.9	1981.7
10°	1799.4	1813.1	1812.2	1805.6	1820.6
11°	1640.1	1643.2	1626.0	1652.9	1636.6
12°	1451.2	1453.9	1431.8	1458.3	1475.0
13°	1270.2	1264.1	1233.6	1268.5	1289.7
14°	1061.9	1064.1	1025.3	1092.8	1087.5
15°	873.9	867.7	847.9	885.8	904.4
17.5°	465.6	469.6	464.8	483.7	495.7
20°	240.1	246.7	244.1	252.0	246.7
22.5°	124.5	133.7	136.4	130.2	113.4
25°	40.2	59.6	75.9	57.8	47.7
27.5°	24.3	23.8	37.1	25.6	26.0
30°	15.0	14.6	15.4	15.4	15.9
32.5°	8.4	8.8	8.4	9.3	8.8
35°	4.4	4.9	4.9	5.3	4.9
37.5°	2.6	3.1	3.1	3.1	2.6
40°	1.3	1.8	1.8	1.3	1.3
42.5°	0.9	0.9	0.9	0.9	0.9
45°	0.9	0.4	0.4	0.4	0.9
47.5°	0.4	0.4	0.0	0.4	0.4
50°	0.4	0.4	0.0	0.4	0.4
52.5°	0.4	0.0	0.0	0.0	0.4
55°	0.4	0.0	0.0	0.0	0.4
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)