

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: P1314046

Luminaire Tested: P3SQAS05R259735DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314046
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: P3SQAS05R259735DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

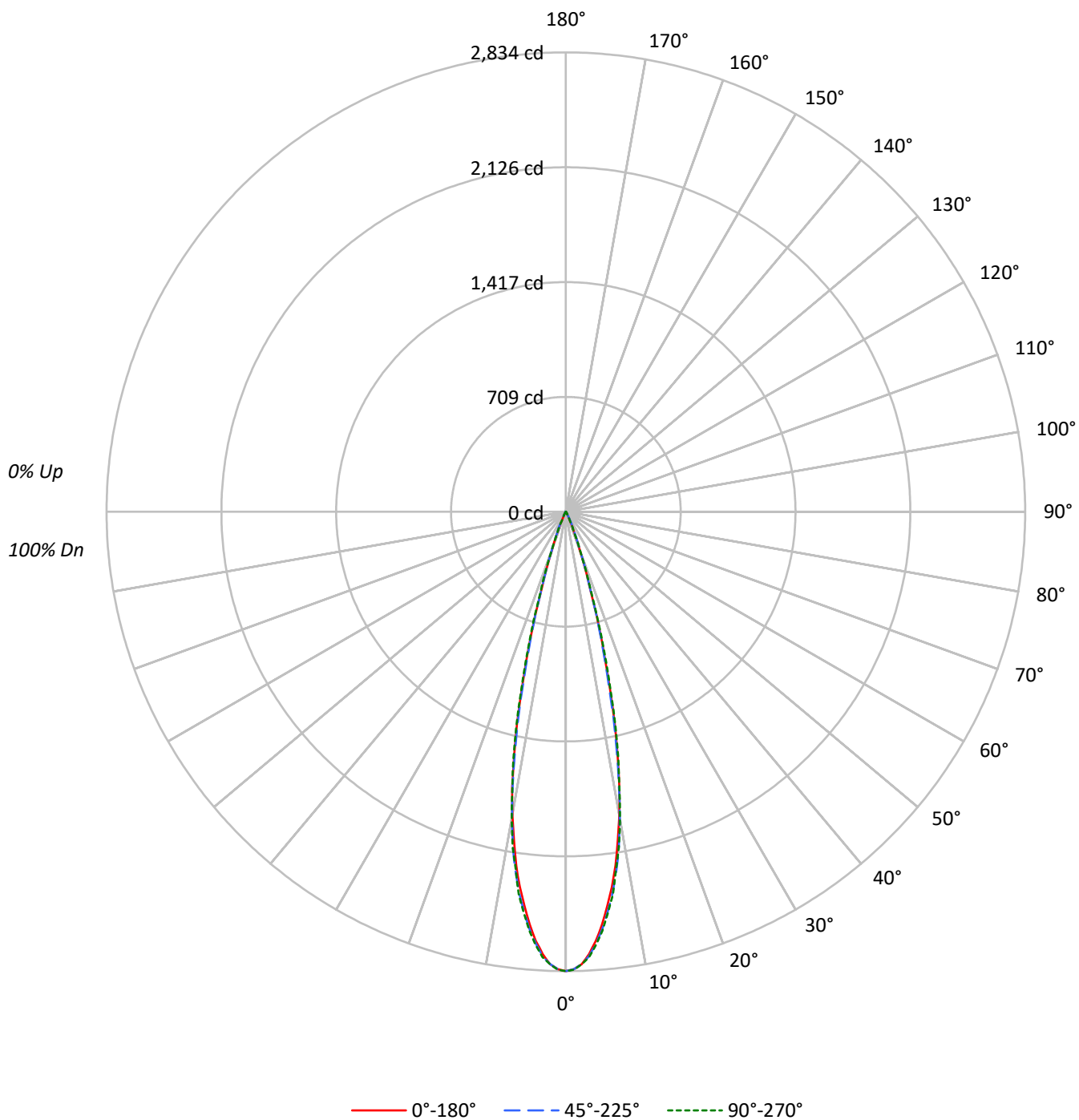
Lumens per Lamp: N/A
Luminaire Lumens: 523.0 lumens
Efficiency: N/A
Efficacy: 72.6 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	488062	488062	488062
5°	442280	446308	448487
10°	332481	334859	336398
15°	164623	159719	170364
20°	46497	47267	47780
25°	8057	15240	9577
30°	3162	3242	3341
35°	988	1072	1072
40°	315	427	315
45°	219	122	219
50°	134	0	134
55°	150	0	150
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°	225.1	43.0
10°-20°	253.9	48.5
20°-30°	39.4	7.5
30°-40°	4.0	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°	518.4	99.1
0°-40°	522.4	99.9
0°-60°	523.0	100.0
0°-90°	523.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	523.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2834	2834	2834	2834	2834	
5°	2558	2563	2582	2592	2594	223
15°	923	917	896	936	956	253
25°	42	63	80	61	50	36
35°	5	5	5	6	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°	2833.9	2833.9	2833.9	2833.9	2833.9
1°	2822.2	2826.0	2821.8	2826.4	2826.0
2°	2792.8	2796.6	2791.5	2794.2	2794.2
3°	2732.7	2740.6	2745.3	2748.5	2751.3
4°	2653.4	2662.3	2669.3	2677.7	2677.7
5°	2558.3	2562.9	2581.6	2591.9	2594.2
6°	2445.0	2463.6	2477.6	2498.1	2485.5
7°	2331.6	2347.0	2366.6	2369.9	2378.7
8°	2202.9	2219.3	2237.5	2234.2	2226.7
9°	2046.3	2070.0	2091.5	2084.5	2093.8
10°	1901.2	1915.7	1914.8	1907.8	1923.6
11°	1732.9	1736.1	1718.0	1746.4	1729.2
12°	1533.3	1536.1	1512.8	1540.8	1558.5
13°	1342.1	1335.6	1303.4	1340.2	1362.6
14°	1122.0	1124.3	1083.3	1154.6	1149.0
15°	923.3	916.8	895.8	935.9	955.5
17.5°	492.0	496.2	491.0	511.1	523.7
20°	253.7	260.7	257.9	266.3	260.7
22.5°	131.5	141.3	144.1	137.6	119.8
25°	42.4	63.0	80.2	61.1	50.4
27.5°	25.6	25.2	39.2	27.0	27.5
30°	15.9	15.4	16.3	16.3	16.8
32.5°	8.9	9.3	8.9	9.8	9.3
35°	4.7	5.1	5.1	5.6	5.1
37.5°	2.8	3.3	3.3	3.3	2.8
40°	1.4	1.9	1.9	1.4	1.4
42.5°	0.9	0.9	0.9	0.9	0.9
45°	0.9	0.5	0.5	0.5	0.9
47.5°	0.5	0.5	0.0	0.5	0.5
50°	0.5	0.5	0.0	0.5	0.5
52.5°	0.5	0.0	0.0	0.0	0.5
55°	0.5	0.0	0.0	0.0	0.5
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)