

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: P1309580

Luminaire Tested: P3SQAS24R309035D010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R309035D010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

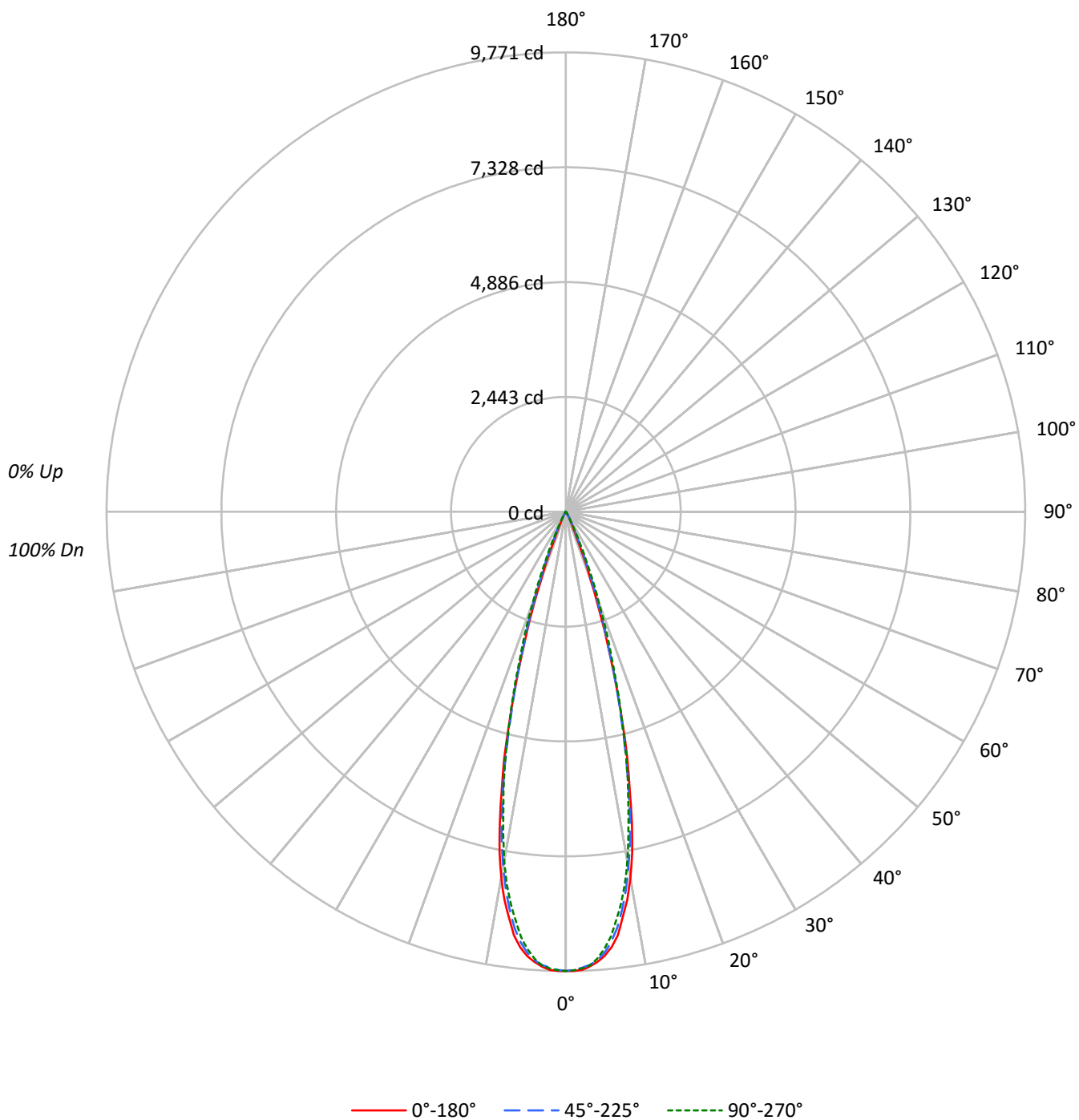
Lumens per Lamp: N/A
Luminaire Lumens: 2367.0 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	103	102	100	99	99	97	96	96
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	94	93	93
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	91	91
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89	88	88
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	87	86	86
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	84	83	83
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	82	81	81
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80	79	79
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	77	77
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	75	75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1682391	1682391	1682391
5°	1639080	1627791	1614375
10°	1383244	1340766	1318993
15°	833579	810293	825199
20°	282739	326505	376631
25°	51972	81426	96172
30°	17858	19887	22313
35°	5151	6433	6875
40°	1371	2293	1844
45°	487	487	487
50°	536	0	536
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: 0°

Vertical Angle: 52.5°

Luminance: 566 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	844.7	35.7
10°-20°	1234.5	52.2
20°-30°	261.2	11.0
30°-40°	24.1	1.0
40°-50°	2.3	0.1
50°-60°	0.2	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°	2340.5	98.9
0°-40°	2364.5	99.9
0°-60°	2367.0	100.0
0°-90°	2367.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2367.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9769	9769	9769	9769	9769	
5°	9481	9463	9416	9387	9338	856
15°	4675	4659	4545	4651	4628	1233
25°	274	306	428	504	506	199
35°	24	31	31	37	33	20
45°	2	2	2	2	2	2
55°	0	0	0	0	0	1
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°	9768.7	9768.7	9768.7	9768.7	9768.7
1°	9770.7	9760.5	9746.3	9766.7	9752.4
2°	9750.3	9725.8	9705.4	9725.8	9719.7
3°	9689.1	9668.7	9654.4	9664.6	9664.6
4°	9597.3	9574.8	9562.6	9564.6	9534.0
5°	9481.0	9462.6	9415.7	9387.1	9338.1
6°	9309.6	9264.7	9207.5	9160.6	9097.3
7°	9076.9	9007.5	8925.9	8844.3	8764.7
8°	8703.5	8670.8	8560.6	8505.5	8425.9
9°	8352.5	8272.9	8154.5	8064.7	8021.9
10°	7909.7	7791.3	7666.8	7595.4	7542.3
11°	7385.2	7264.8	7164.8	7060.7	6979.1
12°	6768.9	6666.9	6552.6	6483.2	6387.3
13°	6038.4	6024.1	5895.5	5873.1	5860.8
14°	5411.9	5354.7	5228.2	5262.9	5271.1
15°	4675.2	4658.9	4544.6	4650.7	4628.2
17.5°	2928.4	2934.5	3005.9	3173.2	3226.3
20°	1542.7	1589.7	1781.5	1983.5	2055.0
22.5°	624.4	728.5	924.4	1061.2	1153.0
25°	273.5	306.1	428.5	504.0	506.1
27.5°	155.1	157.1	206.1	214.3	218.4
30°	89.8	91.8	100.0	106.1	112.2
32.5°	49.0	53.1	55.1	63.3	63.3
35°	24.5	30.6	30.6	36.7	32.7
37.5°	14.3	16.3	18.4	18.4	16.3
40°	6.1	8.2	10.2	10.2	8.2
42.5°	2.0	4.1	4.1	4.1	6.1
45°	2.0	2.0	2.0	2.0	2.0
47.5°	2.0	2.0	0.0	2.0	2.0
50°	2.0	0.0	0.0	0.0	2.0
52.5°	2.0	0.0	0.0	0.0	2.0
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)