

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: P1311612

Luminaire Tested: P3SQAS20R259050D010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311612
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: P3SQAS20R259050D010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

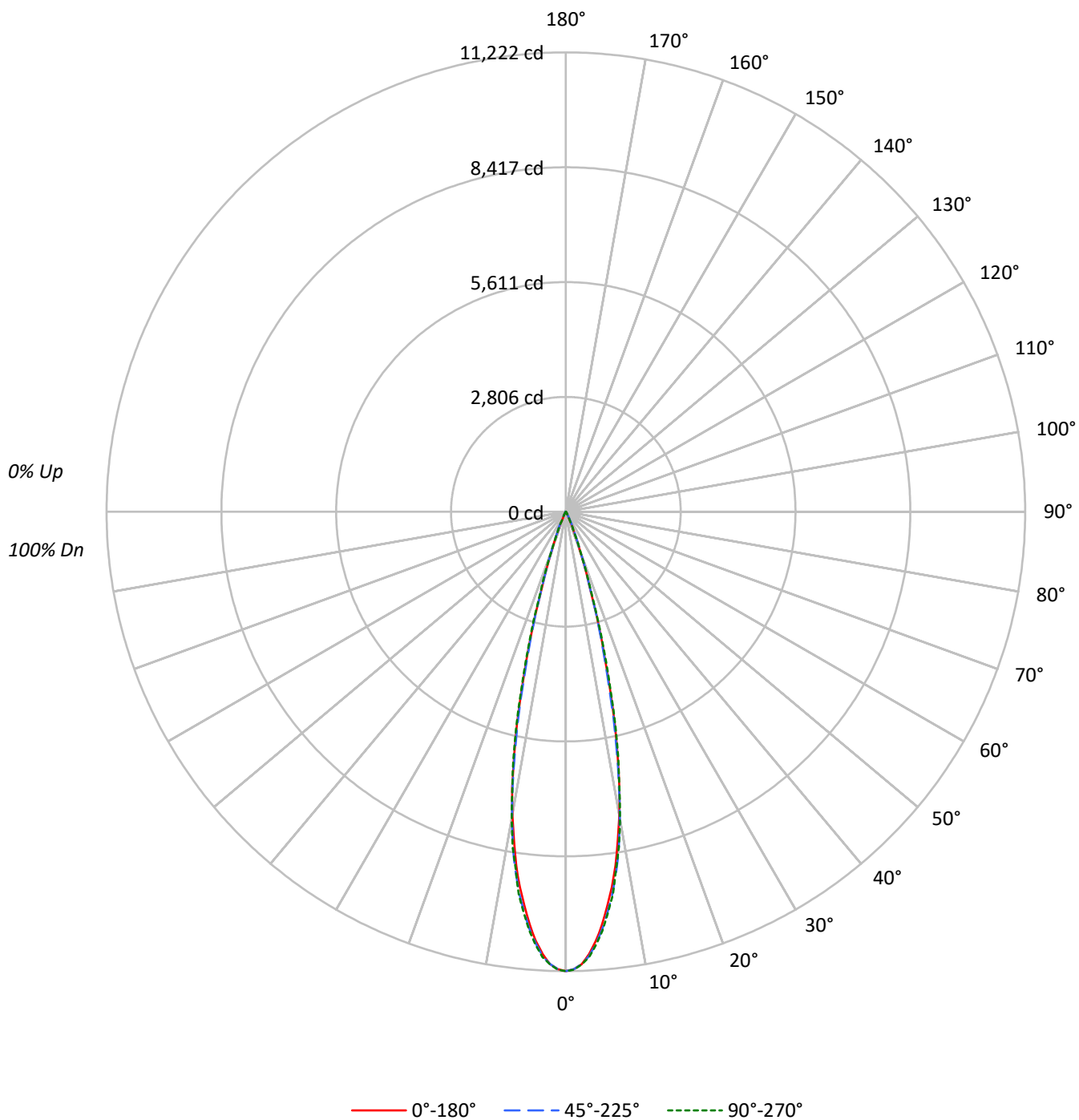
Lumens per Lamp: N/A
Luminaire Lumens: 2071.0 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	115	113	112	110	113	111	110	108	107	106	105		104	103	102		100	100	99	97
2	112	109	106	104	110	107	105	103	104	102	101		101	100	98		99	97	96	95
3	109	105	102	99	107	104	101	98	101	99	97		99	97	95		97	95	94	93
4	106	101	98	95	105	100	97	95	99	96	94		97	94	93		95	93	92	91
5	104	98	95	92	102	98	94	92	96	93	91		95	92	90		93	91	89	88
6	101	96	92	89	100	95	92	89	94	91	89		93	90	88		91	89	87	86
7	99	93	89	87	98	93	89	87	92	89	86		91	88	86		90	87	86	85
8	97	91	87	85	96	90	87	85	90	86	84		89	86	84		88	86	84	83
9	95	89	85	83	94	88	85	83	88	85	82		87	84	82		86	84	82	81
10	93	87	83	81	92	86	83	81	86	83	81		85	82	80		85	82	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1932648	1932648	1932648
5°	1751349	1767306	1775932
10°	1316597	1325953	1332092
15°	651911	632476	674626
20°	184100	187161	189177
25°	31924	60352	37891
30°	12489	12847	13225
35°	3890	4268	4268
40°	1237	1664	1237
45°	901	438	901
50°	482	0	482
55°	540	0	540
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: 901 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	891.5	43.0
10°-20°	1005.3	48.5
20°-30°	155.9	7.5
30°-40°	15.8	0.8
40°-50°	2.1	0.1
50°-60°	0.3	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°	2052.7	99.1
0°-40°	2068.5	99.9
0°-60°	2071.0	100.0
0°-90°	2071.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2071.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11222	11222	11222	11222	11222	
5°	10130	10149	10223	10263	10273	883
15°	3656	3630	3547	3706	3784	1001
25°	168	249	318	242	199	141
35°	18	20	20	22	20	15
45°	4	2	2	2	4	2
55°	2	0	0	0	2	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°	11221.8	11221.8	11221.8	11221.8	11221.8
1°	11175.6	11190.4	11173.7	11192.2	11190.4
2°	11059.3	11074.0	11053.7	11064.8	11064.8
3°	10821.0	10852.4	10870.9	10883.8	10894.9
4°	10507.1	10542.2	10569.9	10603.1	10603.1
5°	10130.4	10148.9	10222.7	10263.4	10272.6
6°	9681.7	9755.6	9811.0	9892.2	9842.4
7°	9233.0	9293.9	9371.5	9384.4	9419.5
8°	8723.3	8787.9	8860.0	8847.0	8817.5
9°	8102.9	8197.0	8282.0	8254.3	8291.2
10°	7528.6	7585.8	7582.1	7554.4	7617.2
11°	6861.9	6874.9	6802.9	6915.5	6847.2
12°	6071.6	6082.7	5990.4	6101.1	6171.3
13°	5314.5	5288.6	5161.2	5307.1	5395.7
14°	4442.9	4452.1	4289.6	4572.2	4550.0
15°	3656.3	3630.4	3547.3	3706.1	3783.7
17.5°	1948.2	1964.8	1944.5	2023.9	2073.7
20°	1004.5	1032.2	1021.2	1054.4	1032.2
22.5°	520.7	559.5	570.6	544.7	474.6
25°	168.0	249.3	317.6	241.9	199.4
27.5°	101.6	99.7	155.1	107.1	108.9
30°	62.8	60.9	64.6	64.6	66.5
32.5°	35.1	36.9	35.1	38.8	36.9
35°	18.5	20.3	20.3	22.2	20.3
37.5°	11.1	12.9	12.9	12.9	11.1
40°	5.5	7.4	7.4	5.5	5.5
42.5°	3.7	3.7	3.7	3.7	3.7
45°	3.7	1.8	1.8	1.8	3.7
47.5°	1.8	1.8	0.0	1.8	1.8
50°	1.8	1.8	0.0	1.8	1.8
52.5°	1.8	0.0	0.0	0.0	1.8
55°	1.8	0.0	0.0	0.0	1.8
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)