

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: P1308915

Luminaire Tested: P3SQAS09R159035DE010 E3SQPH1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308915  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R159035DE010 E3SQPH1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , E3SQPH1MW TRIM  
Light Source: -  
Ballast/Driver: -

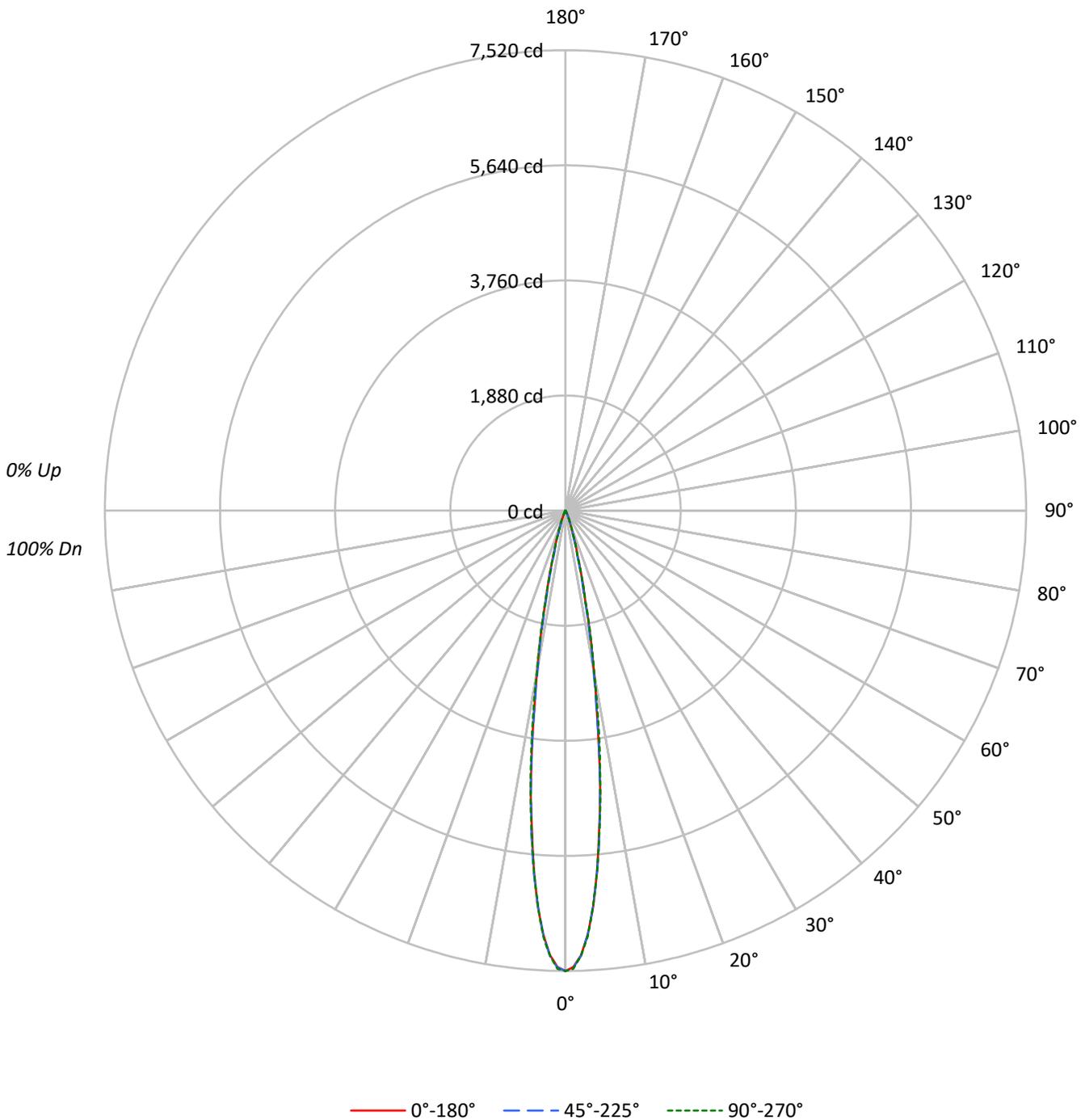
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 753.0 lumens  
Efficiency: N/A  
Efficacy: 67.8 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	99	98	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86	86

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1295149	1295149	1295149
5°	1021620	1024352	1020704
10°	467400	455141	477264
15°	138965	124060	136148
20°	41274	40027	43345
25°	11744	15164	13587
30°	4196	4494	4037
35°	1577	1430	1430
40°	674	337	517
45°	365	195	365
50°	214	0	214
55°	240	0	240
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: 47.5°

Luminance: 382 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	454.4	60.3
10°-20°	252.3	33.5
20°-30°	40.1	5.3
30°-40°	5.3	0.7
40°-50°	0.8	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°	746.8	99.2
0°-40°	752.0	99.9
0°-60°	753.0	100.0
0°-90°	753.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	753.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7520	7520	7520	7520	7520	
5°	5909	5959	5925	5900	5904	453
15°	779	769	696	739	764	257
25°	62	69	80	79	72	38
35°	8	8	7	8	7	6
45°	2	1	1	1	2	1
55°	1	0	0	0	1	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	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7520.2	7520.2	7520.2	7520.2	7520.2	7520.2	7520.2	7520.2	7520.2	7520.2	7520.2
1°	7455.4	7463.7	7474.2	7464.5	7455.4	7463.7	7452.4	7453.9	7444.9	7464.5	7486.3
2°	7265.6	7276.2	7270.2	7256.6	7277.7	7279.2	7255.9	7244.6	7243.1	7262.6	7270.2
3°	6929.8	6953.9	6954.6	6950.1	6943.3	6929.8	6905.7	6921.5	6899.6	6886.1	6962.9
4°	6483.2	6504.3	6529.1	6512.6	6462.9	6467.4	6483.2	6429.7	6432.7	6463.6	6465.9
5°	5909.4	5973.4	5976.4	5953.0	5913.9	5925.2	5913.9	5898.8	5904.1	5923.7	5904.1
6°	5233.9	5306.1	5252.7	5303.9	5292.6	5306.9	5310.7	5294.9	5306.1	5294.1	5290.3
7°	4650.2	4595.2	4602.8	4581.7	4604.3	4619.3	4628.4	4601.3	4623.1	4657.8	4667.5
8°	3926.5	3910.7	3894.9	3932.5	3922.0	3940.1	3951.4	3981.5	3980.0	3990.5	4025.2
9°	3237.5	3260.8	3275.1	3242.0	3270.6	3214.9	3234.4	3315.0	3293.9	3315.0	3376.8
10°	2672.7	2691.5	2670.4	2669.6	2639.5	2602.6	2600.4	2630.5	2693.7	2743.4	2729.1
12.5°	1474.5	1491.1	1493.3	1491.8	1437.6	1376.6	1387.9	1412.0	1451.2	1467.7	1494.8
15°	779.4	778.7	787.0	763.6	735.0	695.8	698.9	732.0	761.4	768.9	763.6
17.5°	399.9	401.4	407.4	401.4	371.3	375.0	383.3	387.1	404.4	411.2	407.4
20°	225.2	225.9	225.2	227.4	215.4	218.4	228.9	229.7	233.5	237.2	236.5
22.5°	128.8	129.5	134.0	132.5	129.5	133.3	135.6	139.3	140.8	139.3	143.8
25°	61.8	62.5	62.5	71.5	76.1	79.8	81.3	79.8	78.3	72.3	71.5
27.5°	35.4	35.4	36.9	37.7	39.2	45.9	45.2	37.7	31.6	31.6	32.4
30°	21.1	20.3	20.3	21.1	21.8	22.6	21.1	20.3	20.3	21.1	20.3
32.5°	12.8	12.8	12.8	12.0	12.0	11.3	11.3	12.8	12.8	12.8	12.8
35°	7.5	7.5	7.5	7.5	6.8	6.8	6.8	7.5	7.5	6.8	6.8
37.5°	4.5	4.5	4.5	3.8	3.8	3.0	3.8	3.8	3.8	3.8	3.8
40°	3.0	3.0	2.3	2.3	1.5	1.5	1.5	2.3	2.3	2.3	2.3
42.5°	2.3	2.3	1.5	1.5	0.8	0.8	0.8	1.5	1.5	1.5	1.5
45°	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
47.5°	1.5	1.5	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.8	0.8
50°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
52.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)