

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: P1307017

Luminaire Tested: P3SQAS17R209027DE010 E3SQPH1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307017  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R209027DE010 E3SQPH1MMS  
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3SQPH1MMS TRIM  
Light Source: -  
Ballast/Driver: -

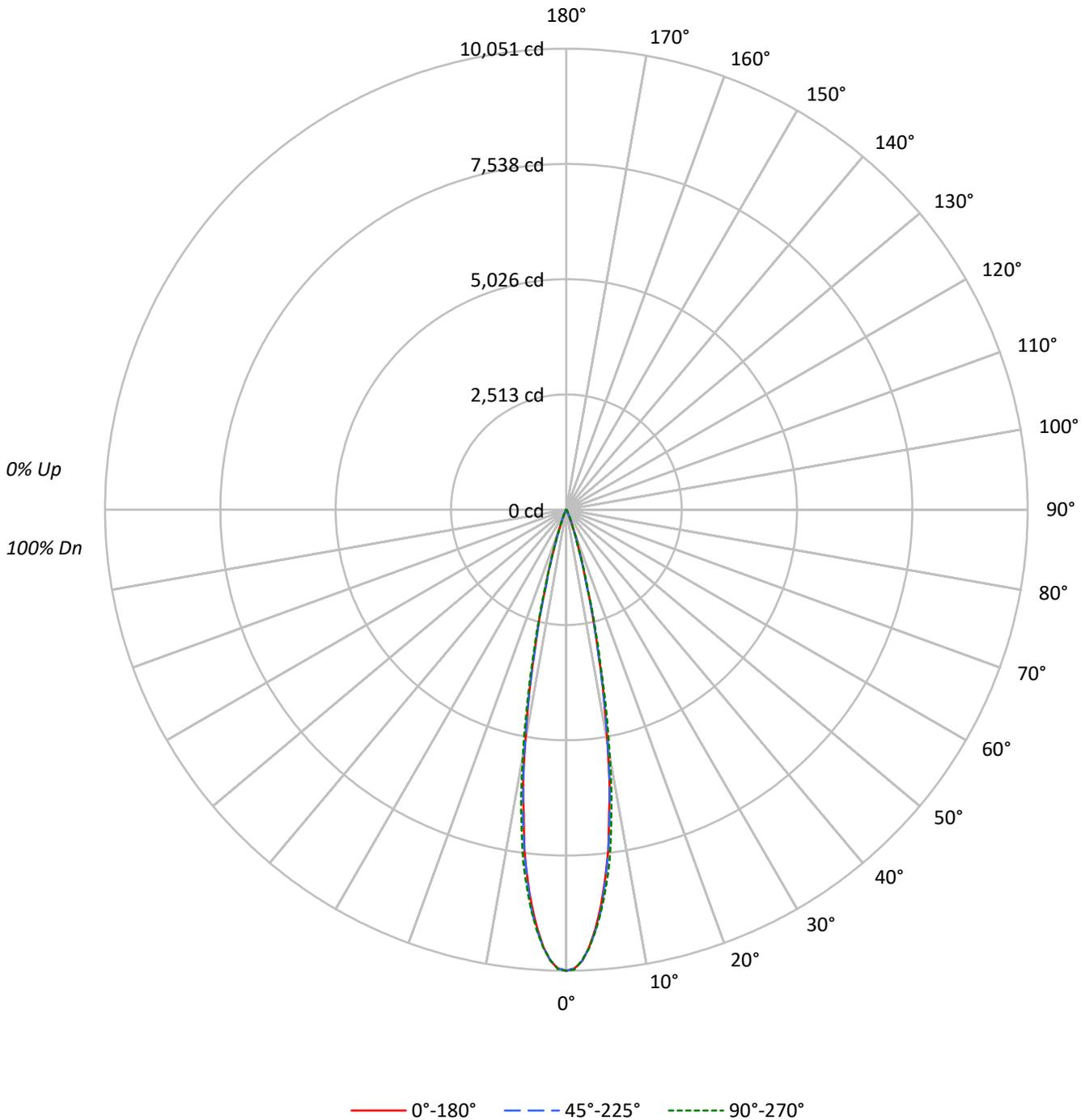
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1350.0 lumens  
Efficiency: N/A  
Efficacy: 63.7 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	98	96	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	96	95	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	95	93	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	93	91	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	92	90	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	91	88	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	89	87	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	88	86	83

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

	0°	45°	90°
0°	1731027	1731027	1731027
5°	1495416	1509351	1514952
10°	900209	908639	953845
15°	311380	304087	328318
20°	81778	76921	77159
25°	17825	21492	24456
30°	7656	7656	7895
35°	4289	3784	4037
40°	1888	2158	2428
45°	585	877	877
50°	322	322	322
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: 22.5°

Vertical Angle: 45°

Luminance: 877 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	718.9	53.3
10°-20°	547.3	40.5
20°-30°	67.7	5.0
30°-40°	12.8	0.9
40°-50°	3.1	0.2
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°	1333.9	98.8
0°-40°	1346.7	99.8
0°-60°	1350.0	100.0
0°-90°	1350.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1350.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10051	10051	10051	10051	10051	
5°	8650	8644	8731	8724	8763	713
15°	1746	1684	1706	1808	1841	547
25°	94	107	113	118	129	65
35°	20	20	18	19	19	13
45°	2	4	4	4	4	2
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	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10051.1	10051.1	10051.1	10051.1	10051.1
1°	10004.2	9992.2	10001.8	9981.4	10023.5
2°	9844.3	9832.3	9832.3	9820.2	9826.2
3°	9546.0	9565.2	9553.2	9528.0	9560.4
4°	9139.5	9161.1	9180.4	9181.6	9186.4
5°	8650.0	8644.0	8730.6	8724.5	8763.0
6°	8091.9	8084.7	8122.0	8184.5	8261.5
7°	7478.5	7390.7	7490.6	7616.8	7720.3
8°	6684.7	6707.6	6776.1	6925.3	7008.3
9°	6011.2	5877.7	6023.2	6201.2	6291.4
10°	5147.6	5039.4	5195.8	5383.4	5454.3
12.5°	3240.1	3146.3	3196.8	3394.1	3425.4
15°	1746.4	1683.8	1705.5	1807.7	1841.4
17.5°	891.2	834.7	822.7	887.6	894.8
20°	446.2	433.0	419.7	425.8	421.0
22.5°	206.9	224.9	222.5	210.5	224.9
25°	93.8	107.0	113.1	117.9	128.7
27.5°	57.7	55.3	63.7	68.6	69.8
30°	38.5	37.3	38.5	39.7	39.7
32.5°	27.7	26.5	25.3	25.3	26.5
35°	20.4	20.4	18.0	19.2	19.2
37.5°	14.4	14.4	13.2	14.4	14.4
40°	8.4	9.6	9.6	9.6	10.8
42.5°	4.8	6.0	6.0	6.0	6.0
45°	2.4	3.6	3.6	3.6	3.6
47.5°	1.2	1.2	1.2	2.4	2.4
50°	1.2	1.2	1.2	1.2	1.2
52.5°	1.2	0.0	0.0	0.0	1.2
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)