

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: P1311746

Luminaire Tested: P3SQAS24R209050D010 E3SQPHLP1MW

Issue Date: 1/29/2026

**Test Information**

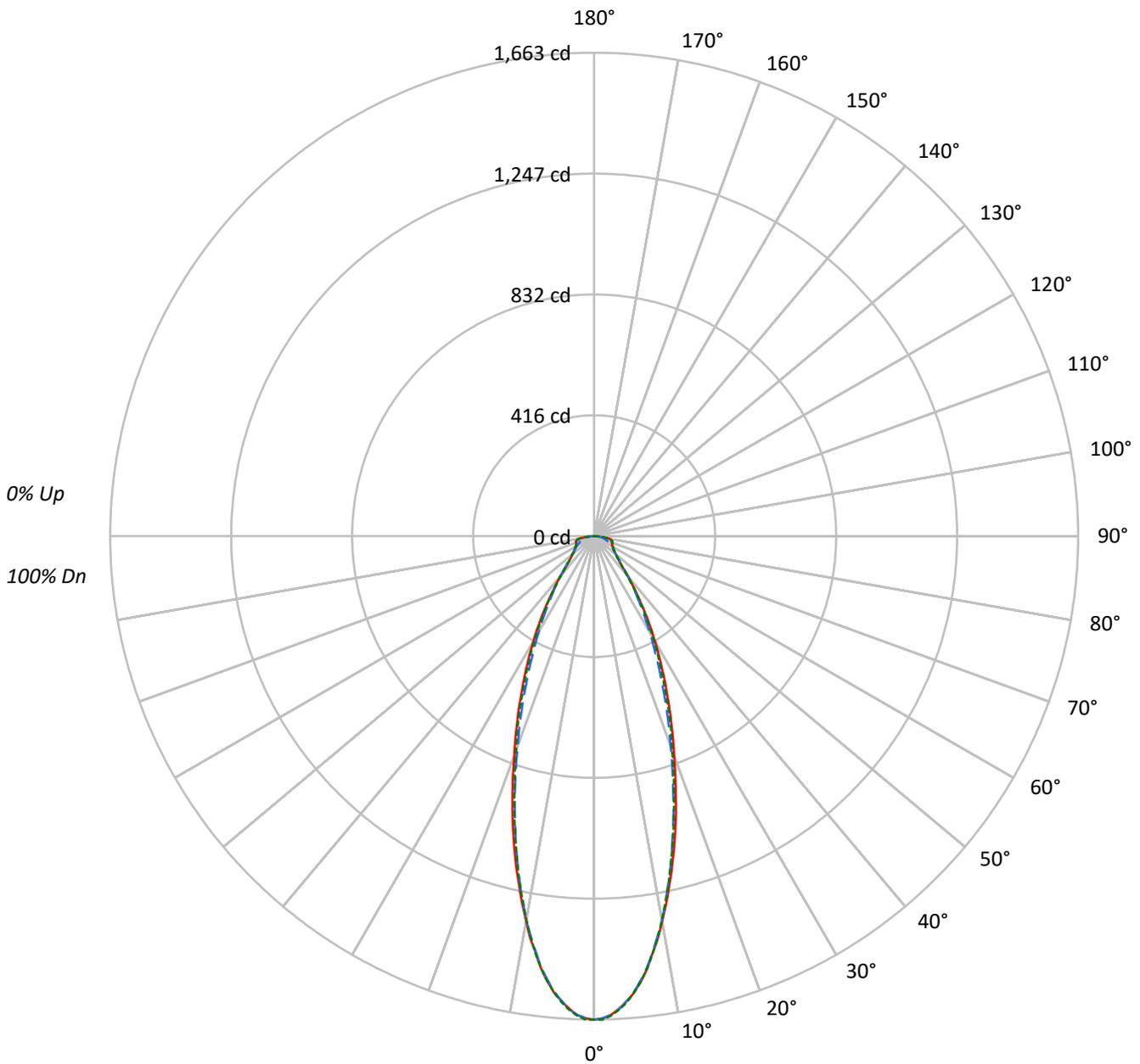
Test Method: LM-79-2019  
Report Number: P1311746  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS24R209050D010 E3SQPHLP1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , E3SQPHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1173.0 lumens  
Efficiency: N/A  
Efficacy: 40.7 lumens/watt  
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65  
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



0% Up  
100% Dn

— 0°-180°    - - 45°-225°    - - - 90°-270°



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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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	74	74	74	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	63	63	63	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	59	59	59	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	55	55	55	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	51	51	51	50
9	71	60	53	49	69	59	53	49	58	53	49	57	52	49	57	52	48	48	48	48	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	46	46	46	44

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

	0°	45°	90°
0°	286458	286458	286458
5°	272563	271855	272563
10°	235300	234583	234216
15°	190957	186553	187284
20°	147134	140701	143340
25°	111755	103527	108619
30°	82907	75509	80441
35°	58574	54664	57712
40°	40355	40355	39434
45°	29666	31151	29666
50°	25989	25989	25989
55°	24772	24171	24772
60°	25592	23457	25592
65°	27752	23554	27752
70°	33234	23918	33234
75°	42587	26084	42587
80°	53259	26580	51176
85°	40706	24503	44856

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 53259 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.7	12.2
10°-20°	291.4	24.8
20°-30°	260.2	22.2
30°-40°	170.7	14.6
40°-50°	99.3	8.5
50°-60°	73.7	6.3
60°-70°	62.3	5.3
70°-80°	51.4	4.4
80°-90°	21.4	1.8
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°	694.2	59.2
0°-40°	864.9	73.7
0°-60°	1037.9	88.5
0°-90°	1173.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1173.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1663	1663	1663	1663	1663	
5°	1577	1575	1572	1575	1577	143
15°	1071	1061	1046	1048	1050	296
25°	588	572	545	559	572	271
35°	279	270	260	268	274	177
45°	122	124	128	124	122	98
55°	82	80	80	80	82	75
65°	68	62	58	62	68	68
75°	64	48	39	48	64	65
85°	21	23	12	23	23	24
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1663.3	1663.3	1663.3	1663.3	1663.3
1°	1659.2	1661.2	1659.2	1661.2	1663.3
2°	1648.9	1650.9	1648.9	1648.9	1650.9
3°	1628.2	1630.3	1630.3	1630.3	1632.4
4°	1603.5	1605.5	1603.5	1605.5	1607.6
5°	1576.6	1574.6	1572.5	1574.6	1576.6
6°	1539.5	1537.4	1535.4	1537.4	1539.5
7°	1498.2	1496.2	1494.1	1494.1	1496.2
8°	1446.6	1448.7	1442.5	1446.6	1448.7
9°	1401.2	1397.1	1393.0	1393.0	1397.1
10°	1345.5	1341.4	1341.4	1339.3	1339.3
12.5°	1209.3	1201.0	1194.9	1194.9	1196.9
15°	1071.0	1060.7	1046.3	1048.3	1050.4
17.5°	932.8	920.4	901.8	905.9	910.1
20°	802.8	790.4	767.7	775.9	782.1
22.5°	691.3	672.8	652.1	658.3	678.9
25°	588.1	571.6	544.8	559.3	571.6
27.5°	497.3	478.8	456.1	470.5	482.9
30°	416.9	400.3	379.7	392.1	404.5
32.5°	344.6	330.2	315.7	324.0	334.3
35°	278.6	270.3	260.0	268.3	274.5
37.5°	224.9	220.8	216.7	220.8	218.7
40°	179.5	181.6	179.5	179.5	175.4
42.5°	142.4	148.6	150.6	146.5	142.4
45°	121.8	123.8	127.9	123.8	121.8
47.5°	107.3	107.3	109.4	107.3	105.2
50°	97.0	97.0	97.0	97.0	97.0
52.5°	88.7	88.7	86.7	88.7	88.7
55°	82.5	80.5	80.5	80.5	82.5
57.5°	78.4	76.4	74.3	76.4	78.4
60°	74.3	70.2	68.1	70.2	74.3
62.5°	70.2	66.0	64.0	66.0	70.2
65°	68.1	61.9	57.8	61.9	68.1
67.5°	66.0	57.8	53.7	57.8	68.1
70°	66.0	53.7	47.5	55.7	66.0
72.5°	64.0	51.6	43.3	51.6	64.0
75°	64.0	47.5	39.2	47.5	64.0
77.5°	59.8	43.3	33.0	43.3	59.8
80°	53.7	39.2	26.8	39.2	51.6
82.5°	39.2	33.0	20.6	33.0	39.2
85°	20.6	22.7	12.4	22.7	22.7
87.5°	2.1	8.3	4.1	12.4	10.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)