

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: P1310669

Luminaire Tested: P3SQAS24R209040D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310669
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: P3SQAS24R209040D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

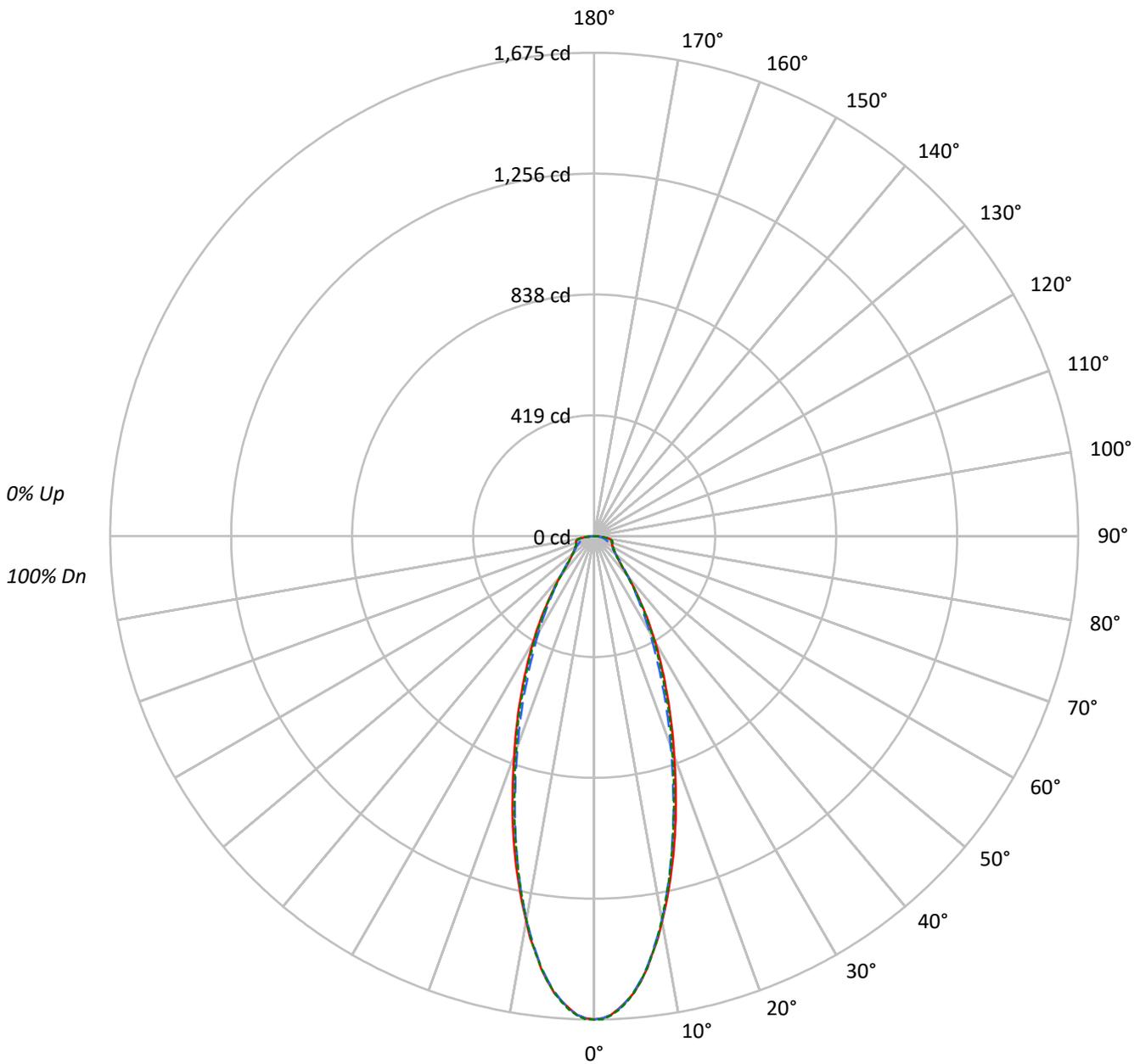
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1181.0 lumens
Efficiency: N/A
Efficacy: 41.0 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°	288421	288421	288421
5°	274431	273704	274431
10°	236909	236175	235807
15°	192259	187819	188568
20°	148123	141654	144329
25°	112534	104230	109360
30°	83464	76026	80978
35°	58974	55042	58091
40°	40648	40648	39703
45°	29860	31370	29860
50°	26177	26177	26177
55°	24952	24321	24952
60°	25765	23629	25765
65°	27955	23717	27955
70°	33486	24069	33486
75°	42853	26284	42853
80°	53557	26778	51474
85°	41101	24700	45251

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 53557 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.7	12.2
10°-20°	293.3	24.8
20°-30°	261.9	22.2
30°-40°	171.9	14.6
40°-50°	100.0	8.5
50°-60°	74.2	6.3
60°-70°	62.7	5.3
70°-80°	51.8	4.4
80°-90°	21.6	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°	699.0	59.2
0°-40°	870.8	73.7
0°-60°	1045.0	88.5
0°-90°	1181.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1181.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1675	1675	1675	1675	1675	
5°	1587	1585	1583	1585	1587	144
15°	1078	1068	1053	1056	1058	298
25°	592	576	548	563	576	273
35°	280	272	262	270	276	178
45°	123	125	129	125	123	99
55°	83	81	81	81	83	76
65°	69	62	58	62	69	69
75°	64	48	40	48	64	66
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°	1674.7	1674.7	1674.7	1674.7	1674.7
1°	1670.5	1672.6	1670.5	1672.6	1674.7
2°	1660.1	1662.2	1660.1	1660.1	1662.2
3°	1639.3	1641.4	1641.4	1641.4	1643.5
4°	1614.4	1616.5	1614.4	1616.5	1618.6
5°	1587.4	1585.3	1583.2	1585.3	1587.4
6°	1550.0	1547.9	1545.8	1547.9	1550.0
7°	1508.4	1506.4	1504.3	1504.3	1506.4
8°	1456.5	1458.6	1452.3	1456.5	1458.6
9°	1410.8	1406.6	1402.5	1402.5	1406.6
10°	1354.7	1350.5	1350.5	1348.4	1348.4
12.5°	1217.5	1209.2	1203.0	1203.0	1205.1
15°	1078.3	1068.0	1053.4	1055.5	1057.6
17.5°	939.1	926.7	908.0	912.1	916.3
20°	808.2	795.8	772.9	781.2	787.5
22.5°	696.0	677.3	656.6	662.8	683.6
25°	592.2	575.5	548.5	563.1	575.5
27.5°	500.7	482.0	459.2	473.7	486.2
30°	419.7	403.1	382.3	394.8	407.2
32.5°	347.0	332.4	317.9	326.2	336.6
35°	280.5	272.2	261.8	270.1	276.3
37.5°	226.5	222.3	218.2	222.3	220.2
40°	180.8	182.8	180.8	180.8	176.6
42.5°	143.4	149.6	151.7	147.5	143.4
45°	122.6	124.7	128.8	124.7	122.6
47.5°	108.0	108.0	110.1	108.0	106.0
50°	97.7	97.7	97.7	97.7	97.7
52.5°	89.3	89.3	87.3	89.3	89.3
55°	83.1	81.0	81.0	81.0	83.1
57.5°	79.0	76.9	74.8	76.9	79.0
60°	74.8	70.6	68.6	70.6	74.8
62.5°	70.6	66.5	64.4	66.5	70.6
65°	68.6	62.3	58.2	62.3	68.6
67.5°	66.5	58.2	54.0	58.2	68.6
70°	66.5	54.0	47.8	56.1	66.5
72.5°	64.4	51.9	43.6	51.9	64.4
75°	64.4	47.8	39.5	47.8	64.4
77.5°	60.3	43.6	33.2	43.6	60.3
80°	54.0	39.5	27.0	39.5	51.9
82.5°	39.5	33.2	20.8	33.2	39.5
85°	20.8	22.9	12.5	22.9	22.9
87.5°	2.1	8.3	4.2	12.5	10.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)