

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: P1307349

Luminaire Tested: P3SQAS24R309027D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307349
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R309027D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

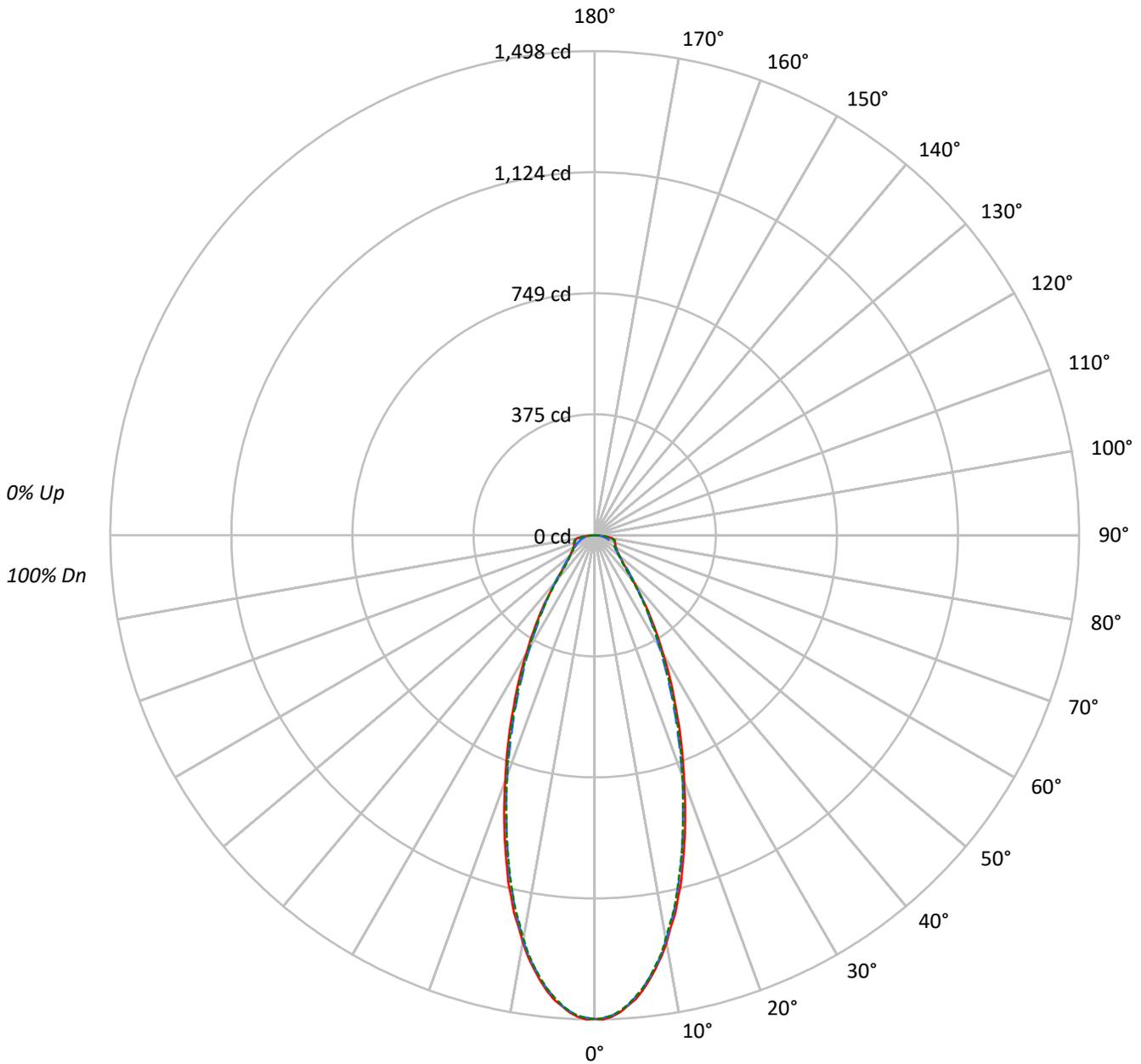
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1180.0 lumens
Efficiency: N/A
Efficacy: 41.0 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
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°-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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89	89	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79	79	79
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72	72	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66	66	66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61	61	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56	56	56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	52	52	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49	49	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46	46	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	43	43	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	257714	257714	257714
5°	249311	248066	248066
10°	223758	222499	221537
15°	187534	184628	184307
20°	148050	145081	145081
25°	113332	108866	110919
30°	84100	79785	81575
35°	60803	58133	58511
40°	41839	42671	40625
45°	31249	32564	29933
50°	27115	26632	26632
55°	25492	24411	24952
60°	26143	24283	25523
65°	28730	24288	27996
70°	33687	24573	32781
75°	43319	26484	42121
80°	53755	28663	50185
85°	42880	28652	39323

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 53755 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.9	11.2
10°-20°	286.9	24.3
20°-30°	267.3	22.7
30°-40°	177.4	15.0
40°-50°	103.3	8.8
50°-60°	75.2	6.4
60°-70°	63.5	5.4
70°-80°	52.6	4.5
80°-90°	21.9	1.9
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°	686.2	58.2
0°-40°	863.5	73.2
0°-60°	1042.0	88.3
0°-90°	1180.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1180.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1496	1496	1496	1496	1496	
5°	1442	1440	1435	1435	1435	132
15°	1052	1041	1036	1034	1034	291
25°	596	586	573	575	584	275
35°	289	284	276	278	278	182
45°	128	130	134	126	123	103
55°	85	83	81	83	83	77
65°	70	63	60	63	69	70
75°	65	49	40	49	63	67
85°	22	25	14	24	20	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1496.4	1496.4	1496.4	1496.4	1496.4
1°	1498.2	1496.4	1492.7	1494.6	1494.6
2°	1490.9	1489.1	1487.3	1487.3	1487.3
3°	1478.3	1476.5	1474.7	1474.7	1474.7
4°	1460.2	1458.4	1458.4	1456.6	1456.6
5°	1442.1	1440.3	1434.9	1434.9	1434.9
6°	1416.8	1415.0	1411.4	1409.6	1409.6
7°	1386.1	1386.1	1380.7	1378.9	1380.7
8°	1353.6	1351.8	1348.2	1346.4	1346.4
9°	1319.3	1313.8	1313.8	1308.4	1312.0
10°	1279.5	1275.9	1272.3	1268.7	1266.8
11°	1234.3	1232.5	1227.1	1223.5	1221.7
12°	1196.4	1187.3	1183.7	1178.3	1181.9
13°	1147.6	1142.2	1133.1	1131.3	1133.1
14°	1106.0	1095.2	1087.9	1084.3	1082.5
15°	1051.8	1040.9	1035.5	1033.7	1033.7
17.5°	930.7	923.5	909.0	909.0	909.0
20°	807.8	800.6	791.6	789.7	791.6
22.5°	701.2	688.5	674.1	675.9	686.7
25°	596.4	585.5	572.9	574.7	583.7
27.5°	507.8	493.4	480.7	484.3	489.8
30°	422.9	413.8	401.2	404.8	410.2
32.5°	350.6	345.2	330.7	334.3	339.8
35°	289.2	283.7	276.5	278.3	278.3
37.5°	231.3	231.3	229.5	227.7	225.9
40°	186.1	189.8	189.8	184.3	180.7
42.5°	151.8	155.4	159.0	151.8	146.4
45°	128.3	130.1	133.7	126.5	122.9
47.5°	112.0	112.0	115.7	110.2	108.4
50°	101.2	101.2	99.4	97.6	99.4
52.5°	92.2	90.4	88.6	90.4	90.4
55°	84.9	83.1	81.3	83.1	83.1
57.5°	79.5	77.7	75.9	75.9	77.7
60°	75.9	72.3	70.5	72.3	74.1
62.5°	72.3	66.9	65.1	66.9	70.5
65°	70.5	63.3	59.6	63.3	68.7
67.5°	68.7	59.6	54.2	59.6	66.9
70°	66.9	56.0	48.8	56.0	65.1
72.5°	65.1	52.4	45.2	52.4	65.1
75°	65.1	48.8	39.8	48.8	63.3
77.5°	61.4	45.2	34.3	45.2	59.6
80°	54.2	41.6	28.9	39.8	50.6
82.5°	39.8	36.1	21.7	34.3	38.0
85°	21.7	25.3	14.5	23.5	19.9
87.5°	3.6	5.4	3.6	10.8	7.2



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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)