

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: P1311617

Luminaire Tested: P3SQAS20R259050D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311617
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259050D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

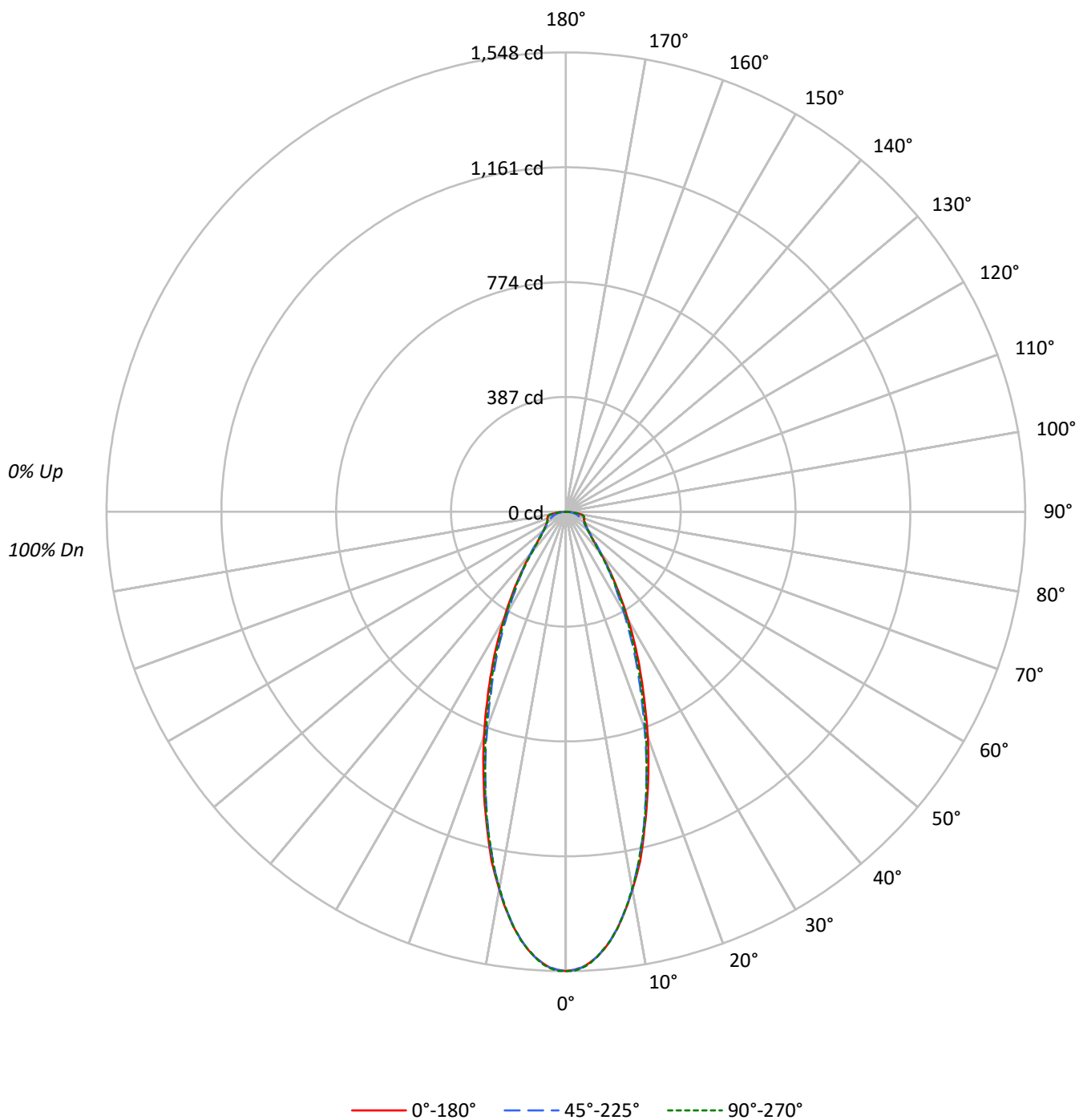
Lumens per Lamp: N/A
Luminaire Lumens: 1169.0 lumens
Efficiency: N/A
Efficacy: 40.6 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	266566	266566	266566
5°	255777	255466	255466
10°	226102	225787	225140
15°	186731	184093	185091
20°	147940	141837	144219
25°	112667	106700	109512
30°	83006	77140	80441
35°	59415	56703	57481
40°	40693	41524	39456
45°	30153	31931	29690
50°	26230	26230	25721
55°	24952	23841	24952
60°	25455	23526	25455
65°	27833	24084	27833
70°	33486	24170	32529
75°	41788	25818	41788
80°	53160	27473	49490
85°	43868	25491	43868

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 53160 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.1	11.6
10°-20°	287.0	24.6
20°-30°	263.0	22.5
30°-40°	173.5	14.8
40°-50°	101.0	8.6
50°-60°	73.8	6.3
60°-70°	62.6	5.4
70°-80°	51.8	4.4
80°-90°	21.3	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°	685.1	58.6
0°-40°	858.5	73.4
0°-60°	1033.2	88.4
0°-90°	1169.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1169.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1548	1548	1548	1548	1548	
5°	1480	1478	1478	1480	1478	135
15°	1047	1044	1032	1036	1038	290
25°	593	576	562	563	576	273
35°	283	277	270	270	273	179
45°	124	127	131	124	122	100
55°	83	83	79	81	83	75
65°	68	63	59	63	68	68
75°	63	48	39	48	63	66
85°	22	24	13	24	22	25
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1547.8	1547.8	1547.8	1547.8	1547.8
1°	1544.1	1544.1	1544.1	1544.1	1547.8
2°	1536.8	1534.9	1536.8	1536.8	1538.6
3°	1522.0	1522.0	1522.0	1522.0	1525.7
4°	1503.5	1503.5	1503.5	1503.5	1503.5
5°	1479.5	1477.7	1477.7	1479.5	1477.7
6°	1449.9	1449.9	1449.9	1449.9	1451.8
7°	1416.7	1414.9	1414.9	1413.0	1416.7
8°	1377.9	1377.9	1376.1	1374.2	1377.9
9°	1337.3	1339.1	1335.4	1333.6	1333.6
10°	1292.9	1291.1	1291.1	1291.1	1287.4
11°	1248.6	1243.1	1241.2	1241.2	1244.9
12°	1204.3	1195.1	1191.4	1191.4	1191.4
13°	1150.7	1147.0	1141.5	1137.8	1139.6
14°	1097.2	1097.2	1087.9	1087.9	1091.6
15°	1047.3	1043.6	1032.5	1036.2	1038.1
17.5°	923.5	916.1	903.2	903.2	905.1
20°	807.2	794.2	773.9	783.2	786.9
22.5°	692.7	679.7	659.4	668.6	672.3
25°	592.9	576.3	561.5	563.4	576.3
27.5°	502.4	483.9	469.2	474.7	482.1
30°	417.4	406.4	387.9	397.1	404.5
32.5°	345.4	336.2	323.2	328.8	336.2
35°	282.6	277.1	269.7	269.7	273.4
37.5°	229.0	227.2	223.5	221.6	219.8
40°	181.0	184.7	184.7	181.0	175.5
42.5°	147.8	151.5	155.2	147.8	142.2
45°	123.8	127.4	131.1	123.8	121.9
47.5°	109.0	110.8	112.7	109.0	107.1
50°	97.9	97.9	97.9	96.0	96.0
52.5°	90.5	88.7	86.8	88.7	88.7
55°	83.1	83.1	79.4	81.3	83.1
57.5°	77.6	75.7	73.9	75.7	77.6
60°	73.9	70.2	68.3	70.2	73.9
62.5°	70.2	66.5	62.8	66.5	70.2
65°	68.3	62.8	59.1	62.8	68.3
67.5°	66.5	59.1	53.6	59.1	66.5
70°	66.5	55.4	48.0	55.4	64.6
72.5°	64.6	51.7	44.3	51.7	64.6
75°	62.8	48.0	38.8	48.0	62.8
77.5°	61.0	44.3	33.2	44.3	59.1
80°	53.6	40.6	27.7	40.6	49.9
82.5°	38.8	33.2	22.2	33.2	36.9
85°	22.2	24.0	12.9	24.0	22.2
87.5°	3.7	5.5	3.7	9.2	7.4



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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)