

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: P1315972

Luminaire Tested: P3SQAS05R359827DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315972
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R359827DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

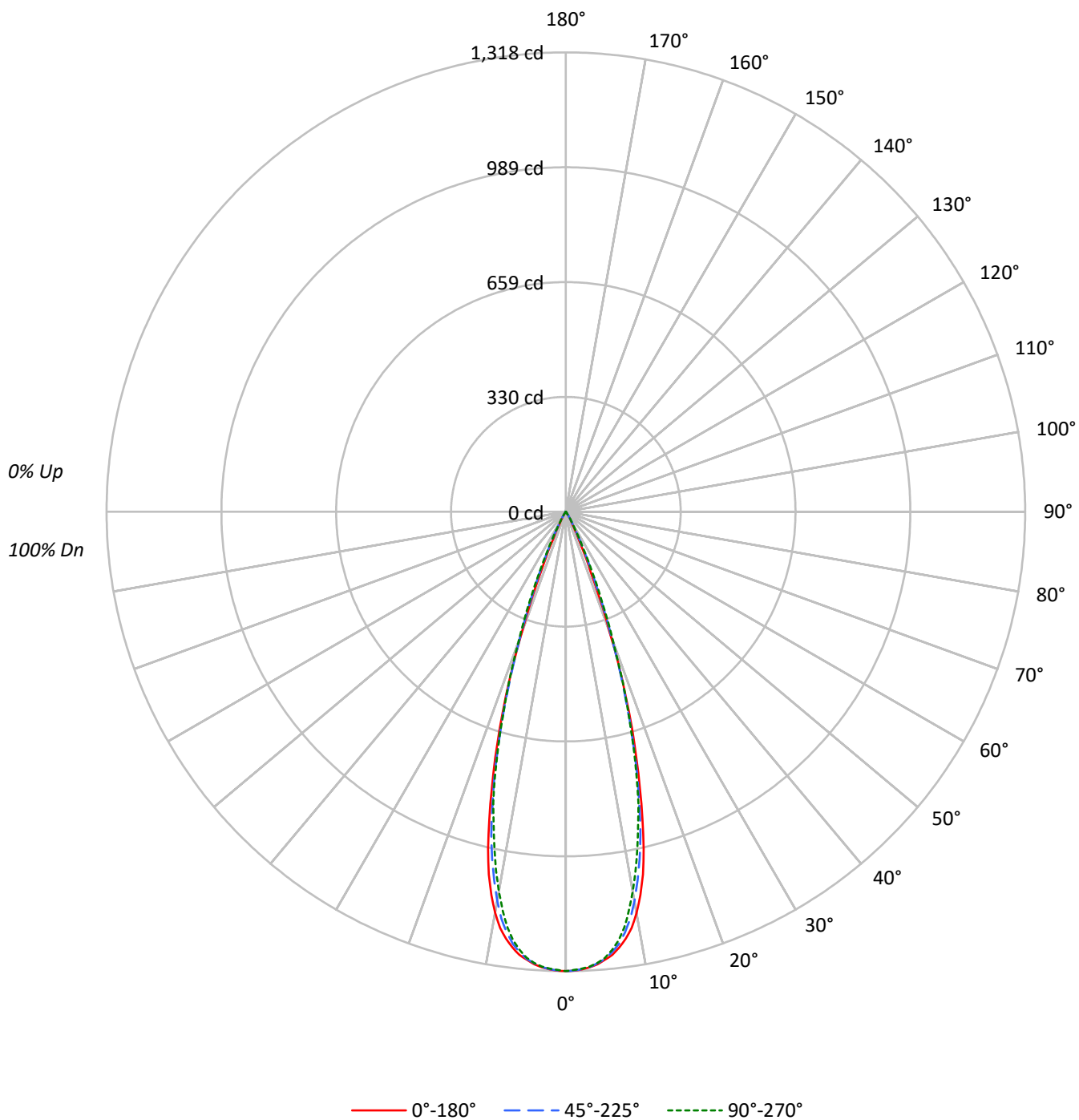
Lumens per Lamp: N/A
Luminaire Lumens: 400.0 lumens
Efficiency: N/A
Efficacy: 55.6 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	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	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93	92	91
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90	89	87
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87	85	83
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	82	80
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	79	77
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	78	76	75
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	75	73	71
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	73	71	69
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	71	69	67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	226972	226972	226972
5°	223068	222584	222117
10°	204434	198296	193469
15°	146383	141729	140000
20°	67885	70213	72687
25°	16114	22917	23905
30°	4733	5409	6105
35°	1093	1745	1598
40°	225	472	315
45°	73	73	73
50°	80	0	80
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: 0°
Vertical Angle: 52.5°
Luminance: 85 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.3	29.6
10°-20°	211.5	52.9
20°-30°	63.6	15.9
30°-40°	6.1	1.5
40°-50°	0.4	0.1
50°-60°	0.0	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°	393.5	98.4
0°-40°	399.6	99.9
0°-60°	400.0	100.0
0°-90°	400.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	400.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1318	1318	1318	1318	1318	
5°	1290	1290	1288	1286	1285	120
15°	821	815	795	791	785	217
25°	85	93	121	126	126	55
35°	5	7	8	9	8	5
45°	0	0	0	0	0	0
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1317.9	1317.9	1317.9	1317.9	1317.9
1°	1317.2	1317.2	1316.5	1316.5	1315.1
2°	1314.1	1314.4	1313.0	1312.7	1311.7
3°	1309.2	1308.2	1308.2	1307.5	1306.8
4°	1301.7	1299.6	1298.9	1299.3	1297.9
5°	1290.3	1290.0	1287.5	1285.8	1284.8
6°	1277.9	1275.5	1270.3	1265.8	1264.8
7°	1259.3	1254.1	1249.6	1240.3	1239.0
8°	1236.6	1228.3	1218.6	1205.5	1204.9
9°	1208.6	1195.2	1181.8	1164.2	1158.0
10°	1169.0	1156.6	1133.9	1118.4	1106.3
11°	1119.8	1104.2	1077.7	1059.1	1049.1
12°	1063.9	1049.5	1018.5	1001.6	987.4
13°	992.3	980.2	951.3	932.7	921.6
14°	909.2	900.3	872.7	864.4	860.7
15°	821.0	814.8	794.9	791.4	785.2
17.5°	604.3	594.0	582.6	584.7	586.7
20°	370.4	384.9	383.1	390.7	396.6
22.5°	184.7	203.3	225.0	238.1	244.6
25°	84.8	93.4	120.6	125.8	125.8
27.5°	42.7	44.8	56.8	57.9	60.6
30°	23.8	25.5	27.2	30.3	30.7
32.5°	12.1	14.1	14.8	16.5	15.8
35°	5.2	6.9	8.3	9.0	7.6
37.5°	2.4	3.1	4.5	4.1	3.1
40°	1.0	1.4	2.1	1.7	1.4
42.5°	0.7	0.7	1.0	0.7	0.7
45°	0.3	0.3	0.3	0.3	0.3
47.5°	0.3	0.3	0.0	0.3	0.3
50°	0.3	0.0	0.0	0.0	0.3
52.5°	0.3	0.0	0.0	0.0	0.3
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



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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)