

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: P1312131

Luminaire Tested: P3SQAS05R359727DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312131
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R359727DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

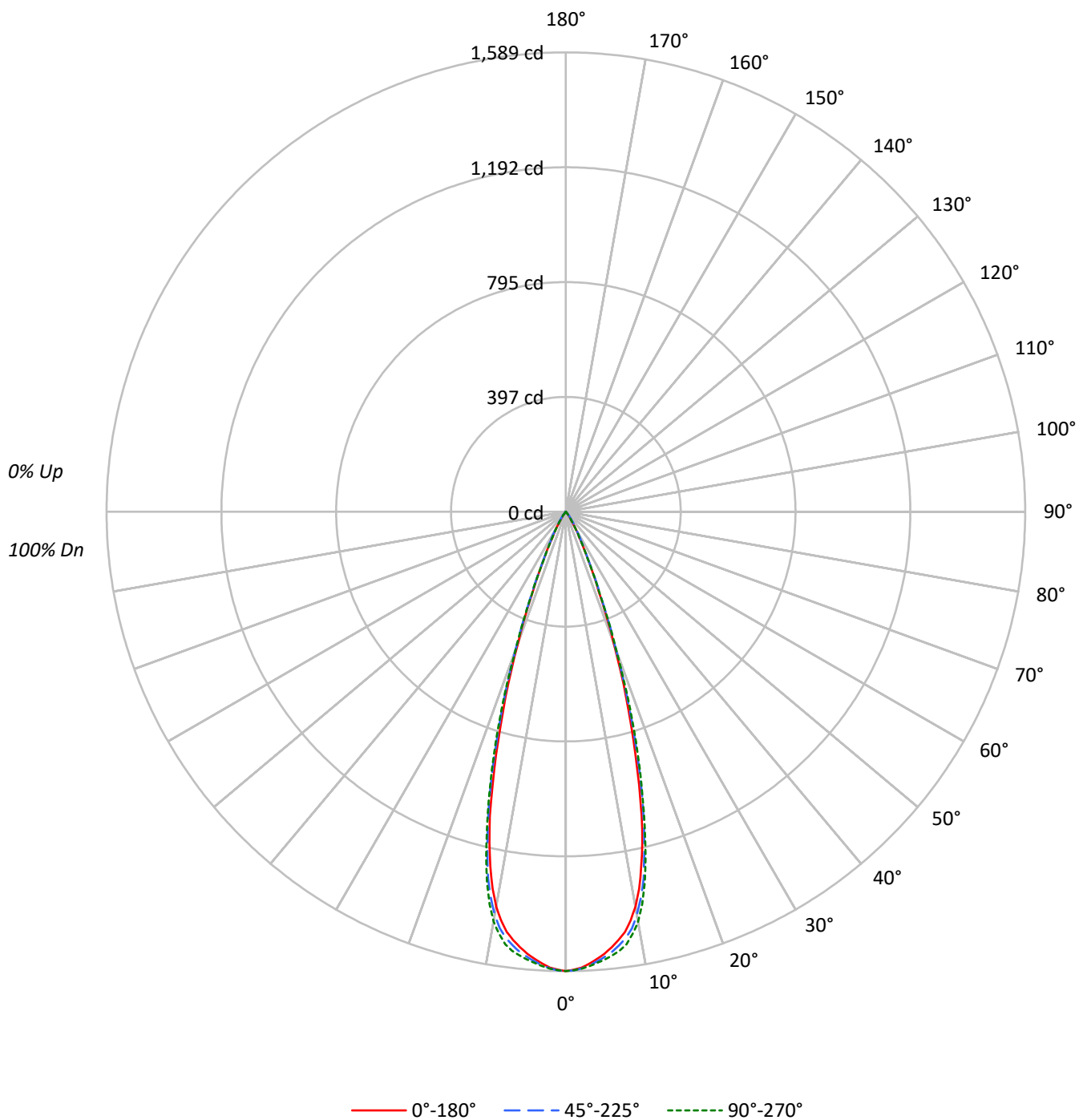
Lumens per Lamp: N/A
Luminaire Lumens: 529.0 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	113	111	109	107	107	105	104		103	102	101		100
2	111	107	104	102	109	106	103	100	102	100	98		100	98	96		97
3	107	102	99	96	105	101	98	95	99	96	94		96	94	92		94
4	104	98	94	91	102	97	93	90	95	92	89		93	91	88		92
5	100	94	90	87	99	93	90	87	92	88	86		90	87	85		89
6	97	91	86	83	96	90	86	83	89	85	83		88	84	82		86
7	94	88	83	80	93	87	83	80	86	82	80		85	82	79		84
8	91	85	80	77	91	84	80	77	83	80	77		82	79	77		81
9	89	82	78	75	88	81	77	75	81	77	74		80	77	74		79
10	86	79	75	72	85	79	75	72	78	75	72		78	74	72		77

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	273627	273627	273627
5°	265337	267221	268656
10°	242453	247594	251844
15°	174358	181989	183469
20°	88779	93232	93452
25°	33673	34395	33445
30°	13085	15173	12747
35°	4499	7043	4226
40°	1506	2743	1416
45°	97	926	97
50°	0	107	0
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: 45°

Vertical Angle: 45°

Luminance: 926 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.8	27.2
10°-20°	268.0	50.7
20°-30°	96.3	18.2
30°-40°	18.8	3.6
40°-50°	2.1	0.4
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°	508.1	96.0
0°-40°	526.9	99.6
0°-60°	529.0	100.0
0°-90°	529.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	529.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1589	1589	1589	1589	1589	
5°	1535	1539	1546	1553	1554	142
15°	978	994	1021	1028	1029	260
25°	177	179	181	180	176	93
35°	21	24	34	25	20	16
45°	0	1	4	1	0	1
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°	1588.8	1588.8	1588.8	1588.8	1588.8
1°	1584.2	1586.3	1586.7	1589.7	1586.3
2°	1577.5	1578.8	1580.4	1582.9	1581.3
3°	1564.5	1567.0	1570.8	1574.1	1574.1
4°	1550.7	1554.0	1558.6	1564.5	1564.1
5°	1534.8	1539.0	1545.7	1552.8	1554.0
6°	1514.7	1519.7	1530.6	1540.6	1542.3
7°	1493.3	1500.8	1511.3	1526.0	1529.7
8°	1468.1	1474.0	1489.1	1506.3	1510.5
9°	1431.3	1440.1	1459.3	1475.3	1477.8
10°	1386.4	1392.7	1415.8	1432.5	1440.1
11°	1328.6	1337.8	1360.5	1377.6	1382.7
12°	1254.9	1268.3	1294.7	1307.3	1311.4
13°	1175.3	1186.6	1207.1	1222.6	1226.0
14°	1085.6	1096.5	1117.9	1130.4	1127.5
15°	977.9	994.3	1020.7	1027.8	1029.0
17.5°	722.3	732.8	756.3	767.6	775.6
20°	484.4	494.4	508.7	516.2	509.9
22.5°	294.6	302.9	310.5	310.1	308.0
25°	177.2	178.9	181.0	179.7	176.0
27.5°	103.5	108.1	114.4	110.2	103.9
30°	65.8	69.6	76.3	69.1	64.1
32.5°	34.8	44.0	51.1	41.5	36.5
35°	21.4	24.3	33.5	24.7	20.1
37.5°	13.0	15.1	20.9	14.7	11.7
40°	6.7	9.6	12.2	8.8	6.3
42.5°	2.1	4.6	6.7	4.2	2.1
45°	0.4	1.3	3.8	1.3	0.4
47.5°	0.0	0.0	1.7	0.4	0.0
50°	0.0	0.0	0.4	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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)