

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: P1312825

Luminaire Tested: P3SQAS20R709727D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312825
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R709727D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

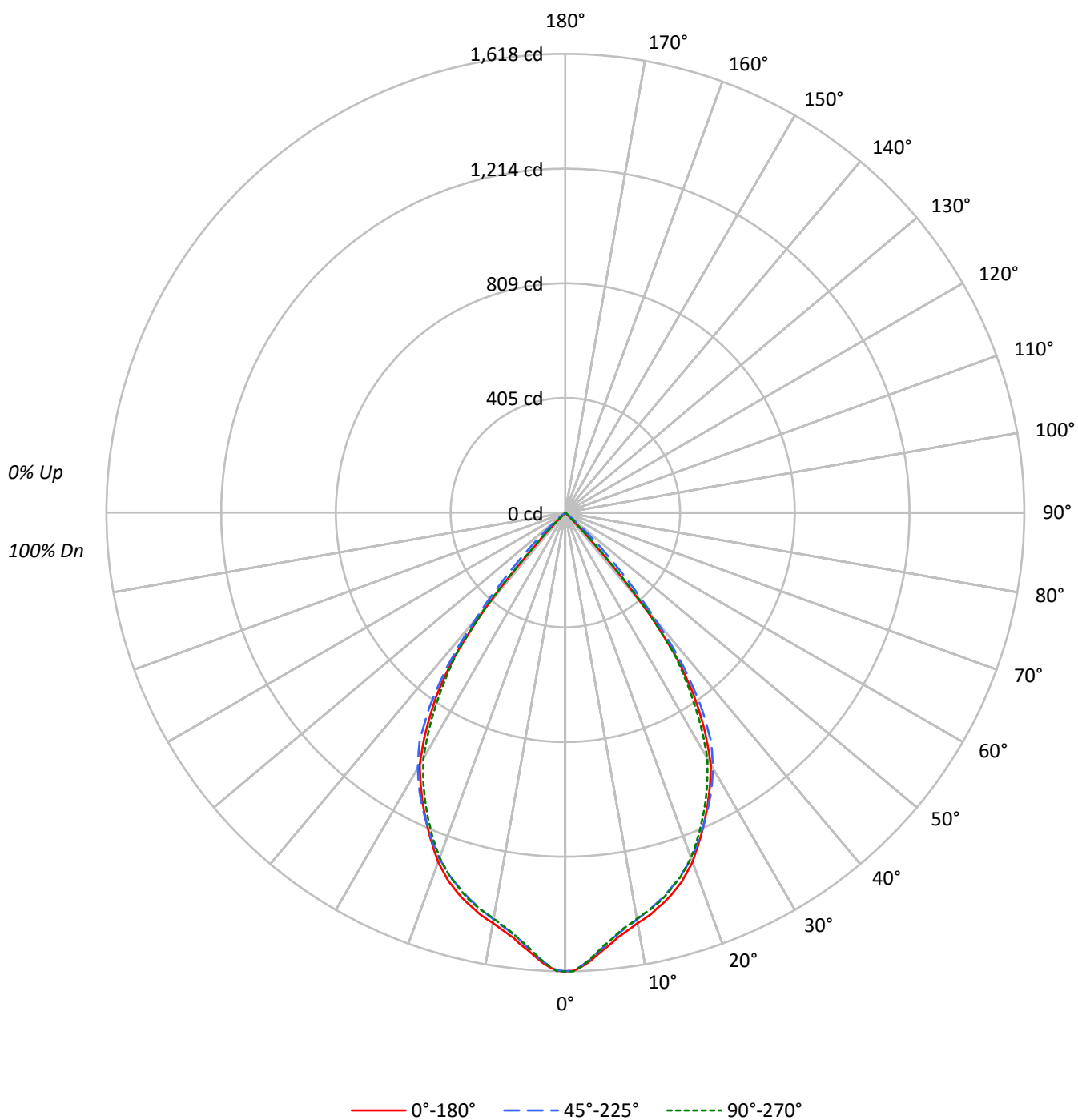
Lumens per Lamp: N/A
Luminaire Lumens: 1674.0 lumens
Efficiency: N/A
Efficacy: 58.1 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	98	95	105	101	97	94	98	95	92		95	92	90		92
3	102	95	90	86	100	94	89	85	91	87	84		89	86	83		87
4	96	89	83	79	95	88	82	78	85	81	77		83	79	76		81
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77
6	86	77	71	67	85	76	71	66	75	70	66		73	69	65		72
7	82	72	66	62	80	71	66	61	70	65	61		69	64	61		68
8	78	68	61	57	76	67	61	57	66	61	57		65	60	57		64
9	74	63	57	53	72	63	57	53	62	57	53		61	56	53		60
10	70	60	54	50	69	59	53	50	58	53	49		58	53	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	278673	278673	278673
5°	267498	266029	265285
10°	256968	254747	254257
15°	250883	247353	247852
20°	240256	237910	237397
25°	223015	223547	220051
30°	204096	206920	199045
35°	166977	175008	160417
40°	96111	112028	98651
45°	1388	46544	4822
50°	0	4930	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: 46544 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.4	8.6
10°-20°	391.2	23.4
20°-30°	537.4	32.1
30°-40°	487.3	29.1
40°-50°	113.2	6.8
50°-60°	0.6	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°	1072.9	64.1
0°-40°	1560.2	93.2
0°-60°	1674.0	100.0
0°-90°	1674.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1674.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1618	1618	1618	1618	1618	
5°	1547	1543	1539	1536	1534	145
15°	1407	1397	1387	1387	1390	395
25°	1174	1179	1176	1165	1158	538
35°	794	806	832	797	763	477
45°	6	64	191	82	20	68
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°	1618.1	1618.1	1618.1	1618.1	1618.1
1°	1616.6	1613.8	1615.2	1616.6	1618.1
2°	1603.9	1601.1	1601.1	1602.5	1602.5
3°	1588.3	1582.7	1582.7	1581.3	1581.3
4°	1567.1	1562.9	1560.0	1558.6	1558.6
5°	1547.3	1543.0	1538.8	1536.0	1534.5
6°	1530.3	1523.2	1517.6	1516.1	1517.6
7°	1510.5	1506.2	1500.6	1496.3	1497.7
8°	1496.3	1490.7	1483.6	1480.7	1480.7
9°	1483.6	1477.9	1470.8	1465.2	1468.0
10°	1469.4	1463.8	1456.7	1452.4	1453.9
11°	1459.5	1452.4	1443.9	1441.1	1442.5
12°	1448.2	1439.7	1431.2	1429.8	1432.6
13°	1434.0	1425.5	1417.0	1417.0	1419.9
14°	1421.3	1411.4	1402.9	1402.9	1407.1
15°	1407.1	1397.2	1387.3	1387.3	1390.1
17.5°	1364.7	1356.2	1346.3	1346.3	1347.7
20°	1310.9	1306.6	1298.1	1293.9	1295.3
22.5°	1242.9	1242.9	1238.7	1231.6	1228.8
25°	1173.6	1179.2	1176.4	1165.1	1158.0
27.5°	1101.4	1111.3	1112.7	1095.7	1083.0
30°	1026.3	1034.8	1040.5	1020.7	1000.9
32.5°	915.9	941.4	955.6	928.7	887.6
35°	794.2	805.5	832.4	797.0	763.0
37.5°	645.5	659.7	682.3	654.0	634.2
40°	427.5	484.1	498.3	484.1	438.8
42.5°	154.3	271.8	327.0	277.5	181.2
45°	5.7	63.7	191.1	82.1	19.8
47.5°	0.0	1.4	86.4	2.8	0.0
50°	0.0	0.0	18.4	0.0	0.0
52.5°	0.0	0.0	1.4	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)