

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: P1313798

Luminaire Tested: P3SQAS20R709730D010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313798
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: P3SQAS20R709730D010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

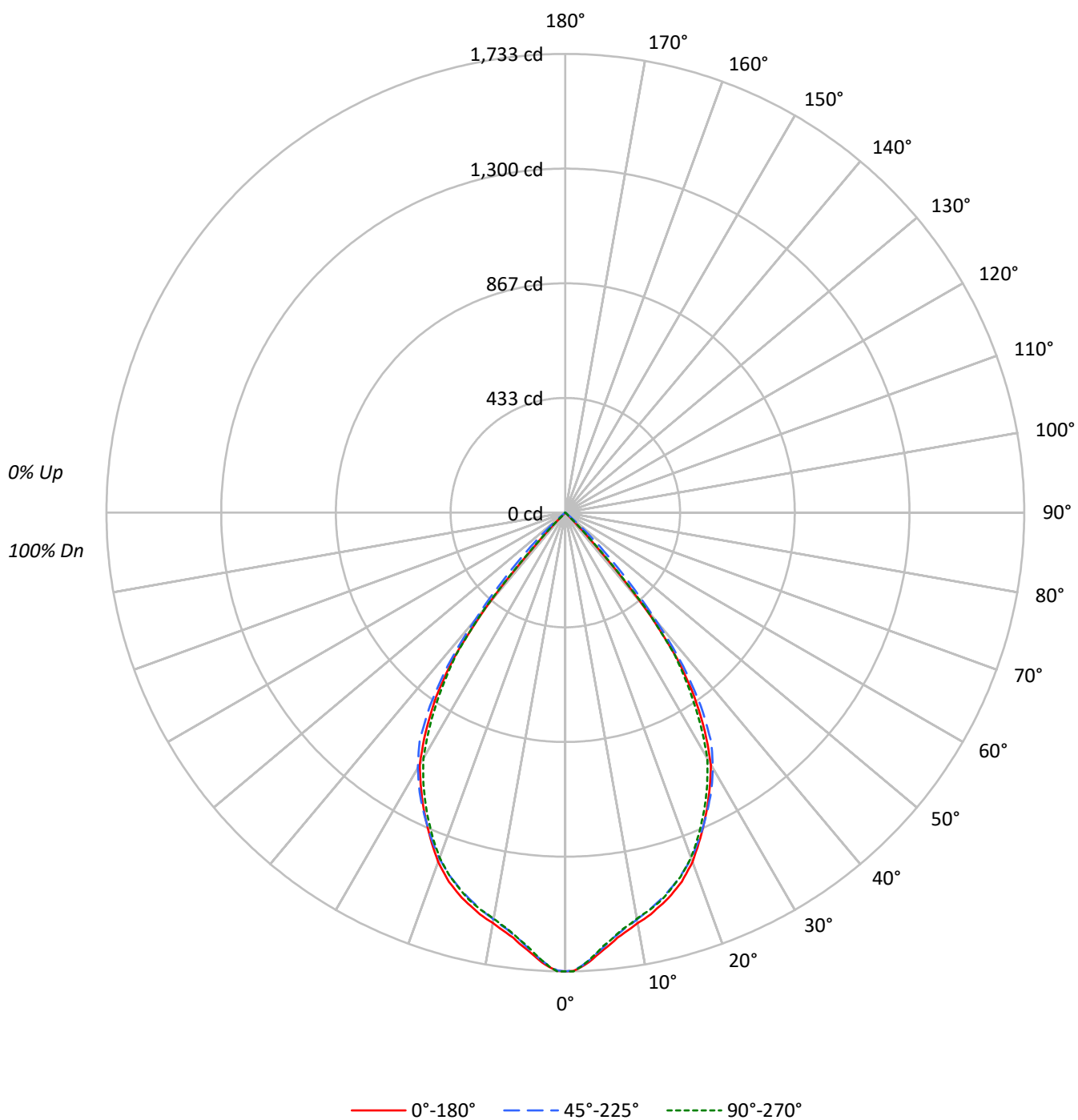
Lumens per Lamp: N/A
Luminaire Lumens: 1793.0 lumens
Efficiency: N/A
Efficacy: 62.3 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97	96	95	93
2	108	103	98	95	105	101	97	94	98	95	92		95	92	90		92	90	88	86
3	102	95	90	86	100	94	89	85	91	87	84		89	86	83		87	84	81	80
4	96	89	83	79	95	88	82	78	85	81	77		83	79	76		81	78	75	74
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77	73	70	68
6	86	77	71	67	85	76	71	66	75	70	66		73	69	65		72	68	65	63
7	82	72	66	62	80	71	66	61	70	65	61		69	64	61		68	64	60	59
8	78	68	61	57	76	67	61	57	66	61	57		65	60	57		64	60	56	55
9	74	63	57	53	72	63	57	53	62	57	53		61	56	53		60	56	53	51
10	70	60	54	50	69	59	53	50	58	53	49		58	53	49		57	52	49	48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	298479	298479	298479
5°	286515	284942	284146
10°	275243	272847	272322
15°	268731	264933	265486
20°	257337	254826	254276
25°	238864	239434	235690
30°	218613	221636	213184
35°	178834	187454	171833
40°	102945	119987	105666
45°	1486	49857	5163
50°	0	5278	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: 49857 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.6	8.6
10°-20°	419.0	23.4
20°-30°	575.6	32.1
30°-40°	521.9	29.1
40°-50°	121.3	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°	1149.2	64.1
0°-40°	1671.1	93.2
0°-60°	1793.0	100.0
0°-90°	1793.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1793.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1733	1733	1733	1733	1733	
5°	1657	1653	1648	1645	1644	156
15°	1507	1497	1486	1486	1489	423
25°	1257	1263	1260	1248	1240	577
35°	851	863	892	854	817	511
45°	6	68	205	88	21	73
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°	1733.1	1733.1	1733.1	1733.1	1733.1
1°	1731.6	1728.5	1730.1	1731.6	1733.1
2°	1717.9	1714.9	1714.9	1716.4	1716.4
3°	1701.2	1695.2	1695.2	1693.7	1693.7
4°	1678.5	1674.0	1670.9	1669.4	1669.4
5°	1657.3	1652.7	1648.2	1645.1	1643.6
6°	1639.1	1631.5	1625.4	1623.9	1625.4
7°	1617.9	1613.3	1607.2	1602.7	1604.2
8°	1602.7	1596.6	1589.0	1586.0	1586.0
9°	1589.0	1583.0	1575.4	1569.3	1572.4
10°	1573.9	1567.8	1560.2	1555.7	1557.2
11°	1563.3	1555.7	1546.6	1543.6	1545.1
12°	1551.1	1542.0	1532.9	1531.4	1534.5
13°	1536.0	1526.9	1517.8	1517.8	1520.8
14°	1522.3	1511.7	1502.6	1502.6	1507.2
15°	1507.2	1496.6	1485.9	1485.9	1489.0
17.5°	1461.7	1452.6	1442.0	1442.0	1443.5
20°	1404.1	1399.5	1390.4	1385.9	1387.4
22.5°	1331.3	1331.3	1326.7	1319.1	1316.1
25°	1257.0	1263.0	1260.0	1247.9	1240.3
27.5°	1179.7	1190.3	1191.8	1173.6	1159.9
30°	1099.3	1108.4	1114.5	1093.2	1072.0
32.5°	981.0	1008.3	1023.5	994.7	950.7
35°	850.6	862.8	891.6	853.7	817.3
37.5°	691.4	706.6	730.8	700.5	679.3
40°	457.9	518.6	533.7	518.6	470.0
42.5°	165.3	291.1	350.3	297.2	194.1
45°	6.1	68.2	204.7	87.9	21.2
47.5°	0.0	1.5	92.5	3.0	0.0
50°	0.0	0.0	19.7	0.0	0.0
52.5°	0.0	0.0	1.5	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)