

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: P1313799

Luminaire Tested: P3SQAS20R709730D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R709730D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

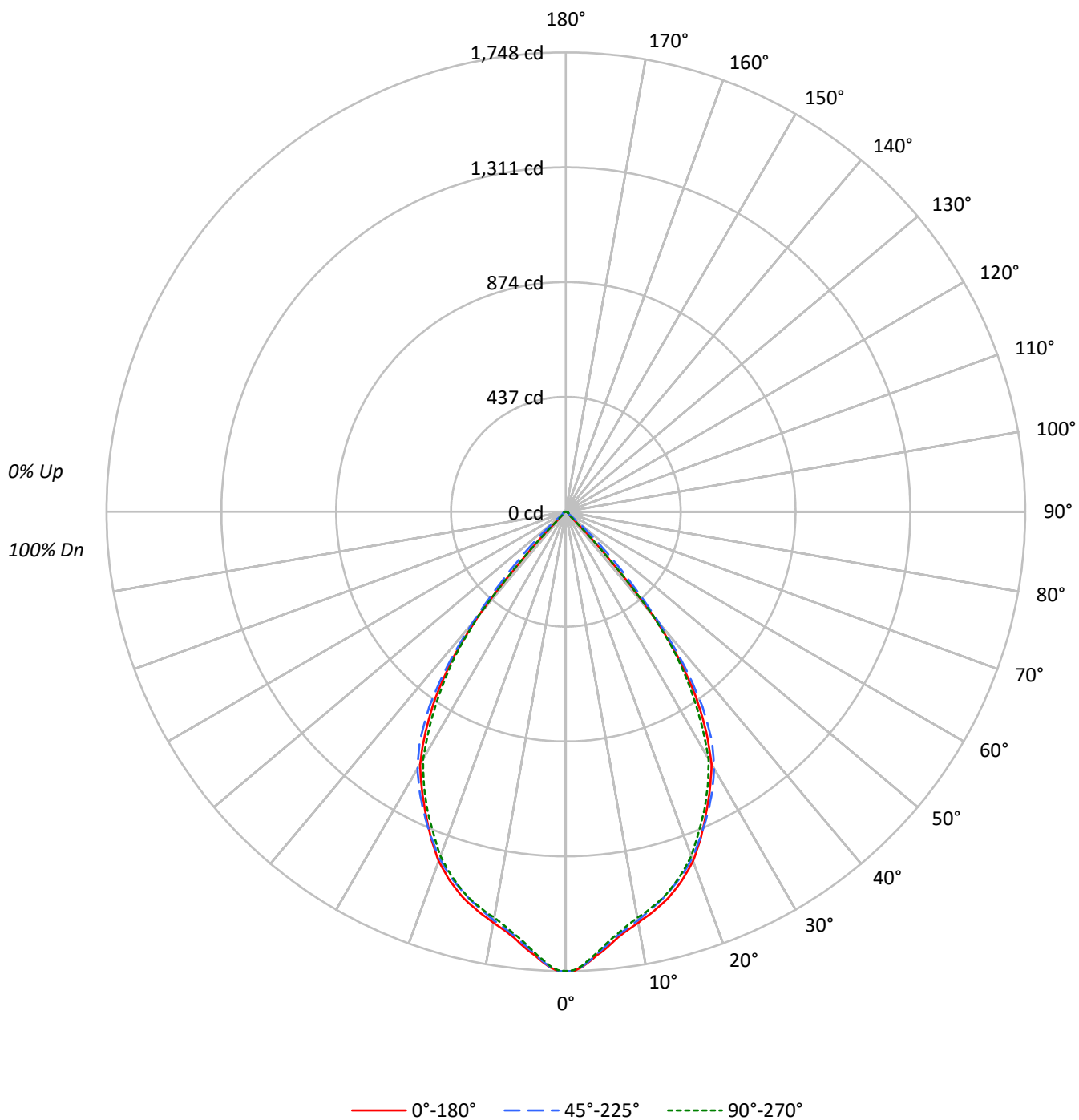
Lumens per Lamp: N/A
Luminaire Lumens: 1864.0 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	95	89	85	99	93	88	84	90	86	83		88	85	82		86
4	96	88	82	77	94	87	81	77	84	80	76		82	78	75		81
5	91	82	76	71	89	81	75	71	79	74	70		77	73	69		76
6	86	76	70	65	84	75	69	65	74	69	65		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	62	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	48	68	58	52	48	57	52	48		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	301080	301080	301080
5°	289385	287811	286774
10°	277639	276047	274193
15°	270639	267661	267394
20°	259317	257374	255706
25°	240080	241809	237210
30°	220522	224440	216008
35°	181862	190461	174861
40°	115805	124641	115805
45°	8111	53875	8866
50°	3644	10958	3644
55°	4084	4084	4084
60°	4168	4168	4168
65°	3708	4320	3708
70°	3827	4582	3827
75°	4059	4059	4059
80°	4463	4463	4463
85°	2964	5928	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 53875 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.0	8.4
10°-20°	422.3	22.7
20°-30°	580.5	31.1
30°-40°	531.7	28.5
40°-50°	141.1	7.6
50°-60°	12.6	0.7
60°-70°	10.3	0.6
70°-80°	6.9	0.4
80°-90°	2.6	0.1
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°	1158.9	62.2
0°-40°	1690.6	90.7
0°-60°	1844.3	98.9
0°-90°	1864.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1864.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1748	1748	1748	1748	1748	
5°	1674	1666	1665	1662	1659	157
15°	1518	1504	1501	1501	1500	426
25°	1263	1268	1272	1257	1248	581
35°	865	879	906	865	832	525
45°	33	114	221	115	36	100
55°	14	14	14	14	14	12
65°	9	11	11	11	9	10
75°	6	6	6	6	6	6
85°	2	3	3	3	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1748.2	1748.2	1748.2	1748.2	1748.2
1°	1748.2	1745.1	1748.2	1748.2	1745.1
2°	1734.5	1731.5	1733.0	1731.5	1730.0
3°	1714.8	1710.3	1711.8	1708.8	1705.8
4°	1692.1	1687.6	1687.6	1686.1	1683.0
5°	1673.9	1666.4	1664.8	1661.8	1658.8
6°	1652.7	1645.2	1643.6	1639.1	1636.1
7°	1631.5	1625.5	1623.9	1617.9	1617.9
8°	1614.9	1607.3	1607.3	1599.7	1599.7
9°	1601.2	1592.1	1592.1	1586.1	1583.0
10°	1587.6	1578.5	1578.5	1570.9	1567.9
11°	1574.0	1566.4	1563.4	1558.8	1557.3
12°	1561.8	1551.2	1548.2	1546.7	1543.7
13°	1546.7	1536.1	1533.1	1531.5	1530.0
14°	1533.1	1519.4	1517.9	1514.9	1516.4
15°	1517.9	1504.3	1501.2	1501.2	1499.7
17.5°	1470.9	1461.9	1457.3	1454.3	1451.3
20°	1414.9	1407.3	1404.3	1398.2	1395.2
22.5°	1342.2	1340.7	1339.2	1331.6	1319.5
25°	1263.4	1268.0	1272.5	1257.3	1248.3
27.5°	1187.7	1199.8	1204.3	1189.2	1169.5
30°	1108.9	1119.5	1128.6	1107.4	1086.2
32.5°	995.3	1021.0	1034.7	1010.4	961.9
35°	865.0	878.6	905.9	865.0	831.7
37.5°	713.5	721.1	742.3	715.0	692.3
40°	515.1	537.8	554.4	537.8	515.1
42.5°	231.8	324.2	366.6	342.4	242.4
45°	33.3	113.6	221.2	115.1	36.4
47.5°	13.6	18.2	115.1	16.7	13.6
50°	13.6	13.6	40.9	13.6	13.6
52.5°	13.6	13.6	15.1	13.6	13.6
55°	13.6	13.6	13.6	13.6	13.6
57.5°	12.1	12.1	13.6	12.1	12.1
60°	12.1	12.1	12.1	12.1	12.1
62.5°	10.6	12.1	12.1	12.1	10.6
65°	9.1	10.6	10.6	10.6	9.1
67.5°	9.1	9.1	9.1	9.1	9.1
70°	7.6	9.1	9.1	9.1	7.6
72.5°	7.6	7.6	7.6	7.6	7.6
75°	6.1	6.1	6.1	6.1	6.1
77.5°	4.5	6.1	6.1	6.1	4.5
80°	4.5	4.5	4.5	4.5	4.5
82.5°	3.0	3.0	3.0	3.0	3.0
85°	1.5	3.0	3.0	3.0	1.5
87.5°	1.5	1.5	1.5	1.5	1.5



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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)