

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: P1308396

Luminaire Tested: P3SQAS20R709030D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308396
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: P3SQAS20R709030D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

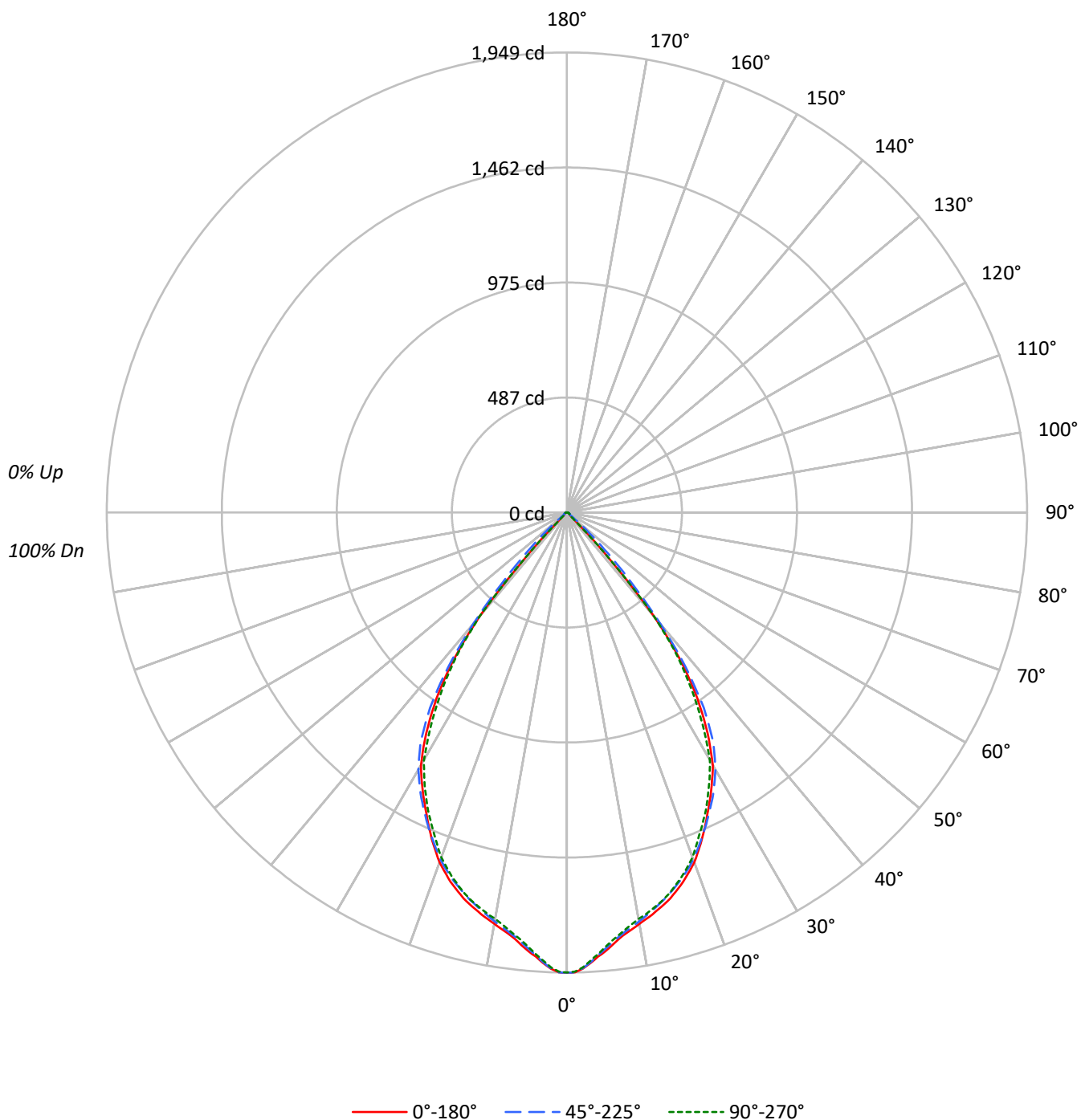
Lumens per Lamp: N/A
Luminaire Lumens: 2078.0 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			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	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	86
3	101	95	89	85	99	93	88	84	90	86	83		88	85	82		86	83	80	79
4	96	88	82	77	94	87	81	77	84	80	76		82	78	75		81	77	74	73
5	91	82	76	71	89	81	75	71	79	74	70		77	73	69		76	72	69	67
6	86	76	70	65	84	75	69	65	74	69	65		72	68	64		71	67	64	62
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67	62	59	58
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63	58	55	54
9	73	62	56	52	72	62	56	52	61	56	52		60	55	52		59	55	51	50
10	69	59	53	48	68	58	52	48	57	52	48		57	52	48		56	51	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	335645	335645	335645
5°	322612	320866	319691
10°	309519	307735	305672
15°	301716	298400	298096
20°	289080	286918	285067
25°	267653	269572	264441
30°	245838	250213	240806
35°	202739	212326	194918
40°	129092	138962	129092
45°	9060	60062	9864
50°	4073	12218	4073
55°	4564	4564	4564
60°	4650	4650	4650
65°	4116	4809	4116
70°	4230	5086	4230
75°	4525	4525	4525
80°	5058	5058	5058
85°	3359	6719	3359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 60062 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.9	8.4
10°-20°	470.8	22.7
20°-30°	647.2	31.1
30°-40°	592.8	28.5
40°-50°	157.3	7.6
50°-60°	14.0	0.7
60°-70°	11.4	0.5
70°-80°	7.6	0.4
80°-90°	2.9	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°	1291.9	62.2
0°-40°	1884.7	90.7
0°-60°	2056.1	98.9
0°-90°	2078.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2078.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1949	1949	1949	1949	1949	
5°	1866	1858	1856	1853	1849	175
15°	1692	1677	1674	1674	1672	475
25°	1408	1414	1419	1402	1392	647
35°	964	980	1010	964	927	585
45°	37	127	247	128	40	112
55°	15	15	15	15	15	13
65°	10	12	12	12	10	11
75°	7	7	7	7	7	7
85°	2	3	3	3	2	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1948.9	1948.9	1948.9	1948.9	1948.9
1°	1948.9	1945.5	1948.9	1948.9	1945.5
2°	1933.7	1930.3	1932.0	1930.3	1928.6
3°	1911.7	1906.6	1908.3	1905.0	1901.6
4°	1886.4	1881.3	1881.3	1879.6	1876.3
5°	1866.1	1857.7	1856.0	1852.6	1849.2
6°	1842.5	1834.0	1832.3	1827.3	1823.9
7°	1818.8	1812.1	1810.4	1803.6	1803.6
8°	1800.3	1791.8	1791.8	1783.4	1783.4
9°	1785.1	1774.9	1774.9	1768.2	1764.8
10°	1769.9	1759.7	1759.7	1751.3	1747.9
11°	1754.7	1746.2	1742.8	1737.8	1736.1
12°	1741.1	1729.3	1725.9	1724.3	1720.9
13°	1724.3	1712.4	1709.1	1707.4	1705.7
14°	1709.1	1693.9	1692.2	1688.8	1690.5
15°	1692.2	1677.0	1673.6	1673.6	1671.9
17.5°	1639.8	1629.7	1624.6	1621.2	1617.9
20°	1577.3	1568.9	1565.5	1558.8	1555.4
22.5°	1496.3	1494.6	1492.9	1484.5	1470.9
25°	1408.5	1413.5	1418.6	1401.7	1391.6
27.5°	1324.0	1337.5	1342.6	1325.7	1303.7
30°	1236.2	1248.0	1258.2	1234.5	1210.9
32.5°	1109.5	1138.2	1153.4	1126.4	1072.4
35°	964.3	979.5	1009.9	964.3	927.1
37.5°	795.4	803.9	827.5	797.1	771.8
40°	574.2	599.5	618.1	599.5	574.2
42.5°	258.4	361.4	408.7	381.7	270.2
45°	37.2	126.7	246.6	128.3	40.5
47.5°	15.2	20.3	128.3	18.6	15.2
50°	15.2	15.2	45.6	15.2	15.2
52.5°	15.2	15.2	16.9	15.2	15.2
55°	15.2	15.2	15.2	15.2	15.2
57.5°	13.5	13.5	15.2	13.5	13.5
60°	13.5	13.5	13.5	13.5	13.5
62.5°	11.8	13.5	13.5	13.5	11.8
65°	10.1	11.8	11.8	11.8	10.1
67.5°	10.1	10.1	10.1	10.1	10.1
70°	8.4	10.1	10.1	10.1	8.4
72.5°	8.4	8.4	8.4	8.4	8.4
75°	6.8	6.8	6.8	6.8	6.8
77.5°	5.1	6.8	6.8	6.8	5.1
80°	5.1	5.1	5.1	5.1	5.1
82.5°	3.4	3.4	3.4	3.4	3.4
85°	1.7	3.4	3.4	3.4	1.7
87.5°	1.7	1.7	1.7	1.7	1.7



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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)