

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: P1312827

Luminaire Tested: P3SQAS20R709727D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312827
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: P3SQAS20R709727D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

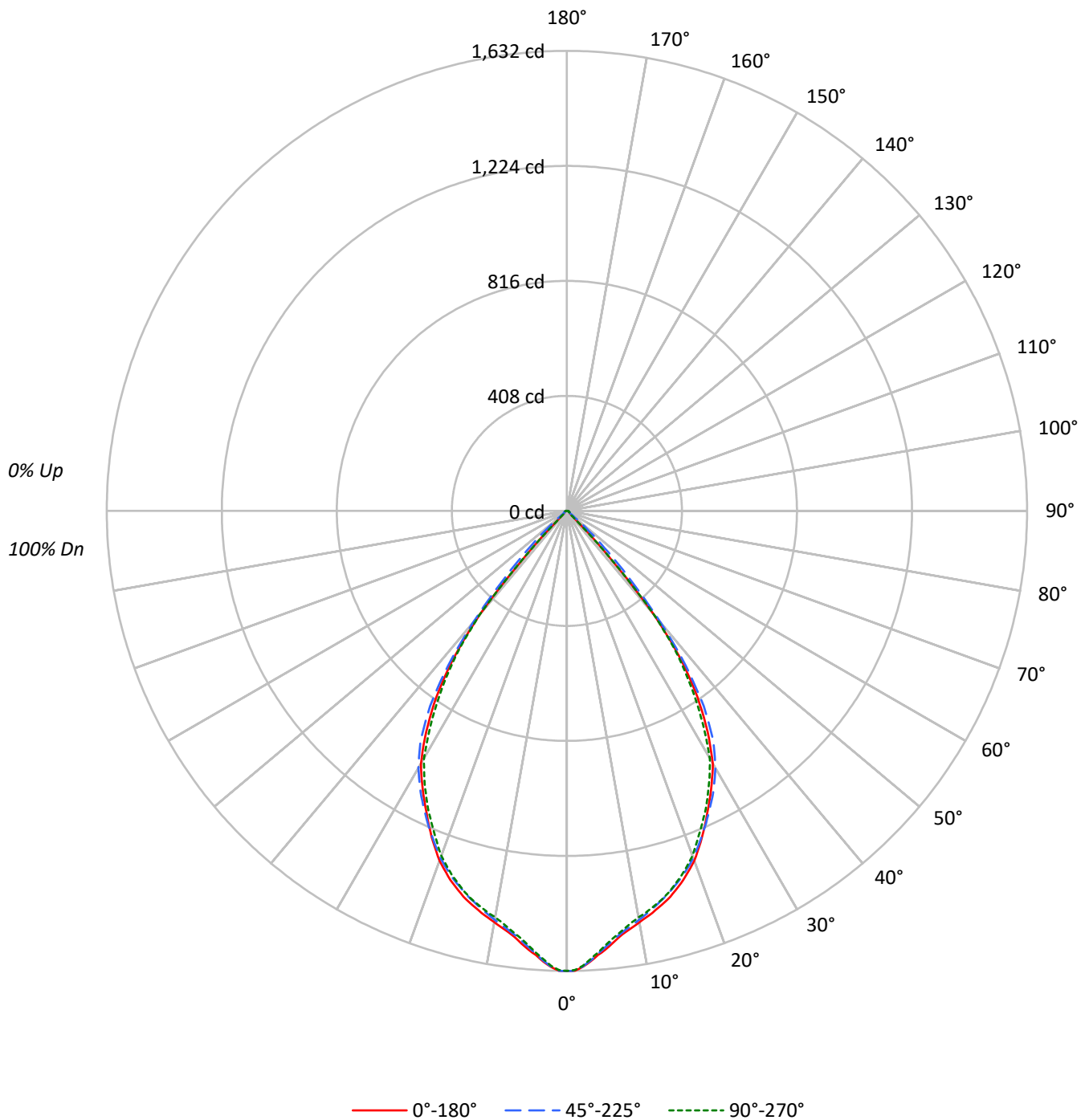
Lumens per Lamp: N/A
Luminaire Lumens: 1740.0 lumens
Efficiency: N/A
Efficacy: 60.4 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	281050	281050	281050
5°	270143	268674	267688
10°	259171	257685	255954
15°	252630	249867	249617
20°	242070	240256	238698
25°	224117	225714	221419
30°	205846	209505	201630
35°	169773	177783	163213
40°	108094	116367	108094
45°	7575	50295	8257
50°	3403	10235	3403
55°	3813	3813	3813
60°	3892	3892	3892
65°	3464	4034	3464
70°	3575	4280	3575
75°	3793	3793	3793
80°	4166	4166	4166
85°	2766	5533	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 50295 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.6	8.4
10°-20°	394.3	22.7
20°-30°	541.9	31.1
30°-40°	496.3	28.5
40°-50°	131.7	7.6
50°-60°	11.7	0.7
60°-70°	9.6	0.6
70°-80°	6.4	0.4
80°-90°	2.4	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°	1081.8	62.2
0°-40°	1578.1	90.7
0°-60°	1721.6	98.9
0°-90°	1740.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1740.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1632	1632	1632	1632	1632	
5°	1563	1556	1554	1551	1548	146
15°	1417	1404	1401	1401	1400	398
25°	1179	1184	1188	1174	1165	542
35°	808	820	846	808	776	490
45°	31	106	206	108	34	93
55°	13	13	13	13	13	11
65°	8	10	10	10	8	9
75°	6	6	6	6	6	6
85°	1	3	3	3	1	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1631.9	1631.9	1631.9	1631.9	1631.9
1°	1631.9	1629.0	1631.9	1631.9	1629.0
2°	1619.1	1616.3	1617.7	1616.3	1614.9
3°	1600.8	1596.5	1597.9	1595.1	1592.3
4°	1579.6	1575.3	1575.3	1573.9	1571.1
5°	1562.6	1555.5	1554.1	1551.3	1548.4
6°	1542.8	1535.7	1534.3	1530.1	1527.2
7°	1523.0	1517.3	1515.9	1510.3	1510.3
8°	1507.4	1500.4	1500.4	1493.3	1493.3
9°	1494.7	1486.2	1486.2	1480.6	1477.7
10°	1482.0	1473.5	1473.5	1466.4	1463.6
11°	1469.3	1462.2	1459.4	1455.1	1453.7
12°	1457.9	1448.0	1445.2	1443.8	1441.0
13°	1443.8	1433.9	1431.1	1429.7	1428.2
14°	1431.1	1418.3	1416.9	1414.1	1415.5
15°	1416.9	1404.2	1401.4	1401.4	1400.0
17.5°	1373.1	1364.6	1360.4	1357.5	1354.7
20°	1320.8	1313.7	1310.9	1305.2	1302.4
22.5°	1252.9	1251.5	1250.1	1243.0	1231.7
25°	1179.4	1183.6	1187.8	1173.7	1165.2
27.5°	1108.7	1120.0	1124.2	1110.1	1091.7
30°	1035.1	1045.0	1053.5	1033.7	1013.9
32.5°	929.1	953.1	965.8	943.2	898.0
35°	807.5	820.2	845.6	807.5	776.3
37.5°	666.0	673.1	692.9	667.5	646.2
40°	480.8	502.0	517.6	502.0	480.8
42.5°	216.4	302.6	342.2	319.6	226.3
45°	31.1	106.1	206.5	107.5	33.9
47.5°	12.7	17.0	107.5	15.6	12.7
50°	12.7	12.7	38.2	12.7	12.7
52.5°	12.7	12.7	14.1	12.7	12.7
55°	12.7	12.7	12.7	12.7	12.7
57.5°	11.3	11.3	12.7	11.3	11.3
60°	11.3	11.3	11.3	11.3	11.3
62.5°	9.9	11.3	11.3	11.3	9.9
65°	8.5	9.9	9.9	9.9	8.5
67.5°	8.5	8.5	8.5	8.5	8.5
70°	7.1	8.5	8.5	8.5	7.1
72.5°	7.1	7.1	7.1	7.1	7.1
75°	5.7	5.7	5.7	5.7	5.7
77.5°	4.2	5.7	5.7	5.7	4.2
80°	4.2	4.2	4.2	4.2	4.2
82.5°	2.8	2.8	2.8	2.8	2.8
85°	1.4	2.8	2.8	2.8	1.4
87.5°	1.4	1.4	1.4	1.4	1.4



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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)