

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: P1308250

Luminaire Tested: P3SQAS17R709030DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308250
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: P3SQAS17R709030DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

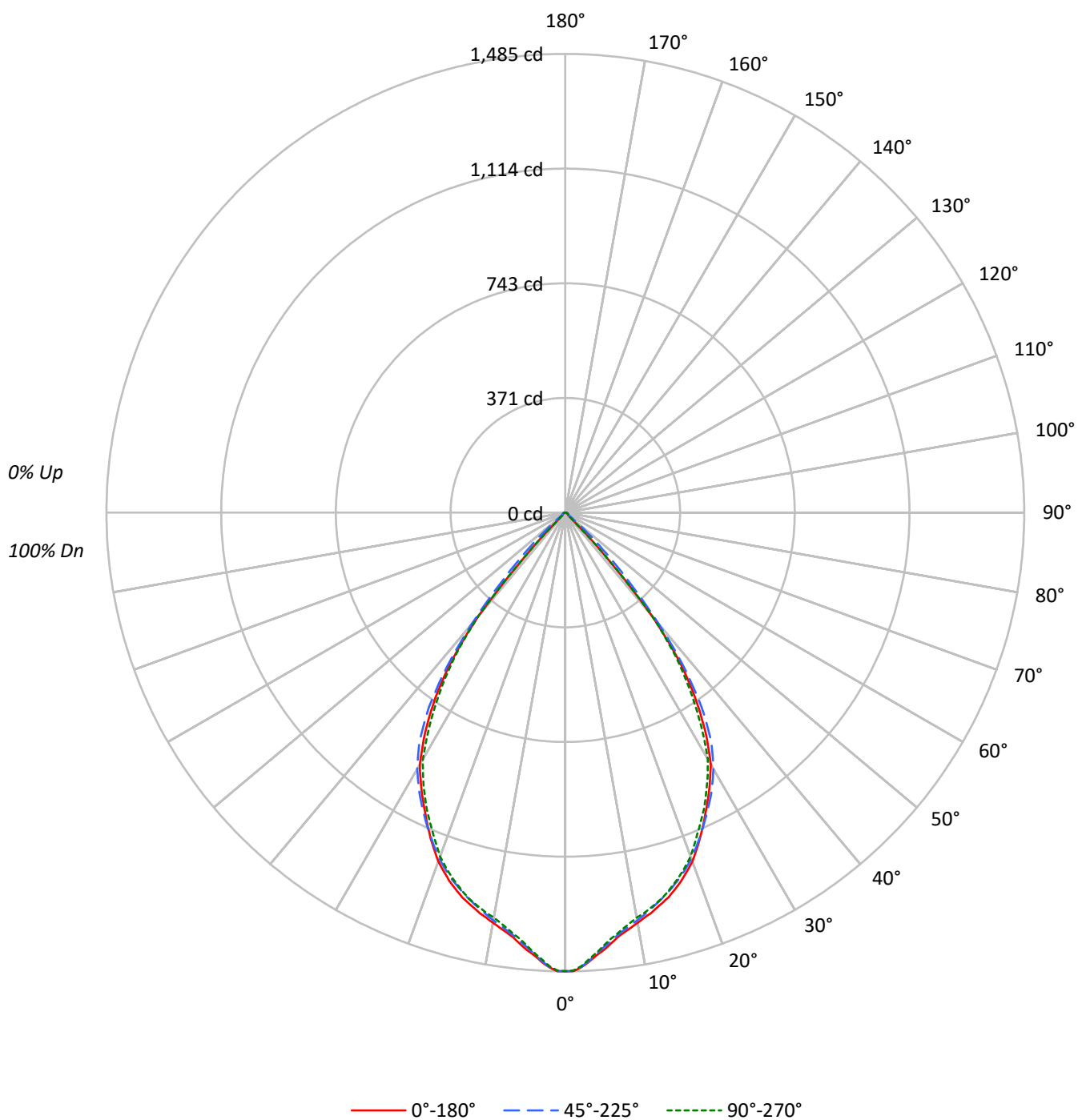
Lumens per Lamp: N/A
Luminaire Lumens: 1583.0 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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°	255682	255682	255682
5°	245767	244436	243537
10°	235790	234426	232852
15°	229844	227312	227080
20°	220224	218574	217163
25°	203880	205362	201447
30°	187272	190593	183434
35°	154446	161741	148496
40°	98337	105868	98337
45°	6893	45740	7526
50°	3108	9297	3108
55°	3483	3483	3483
60°	3548	3548	3548
65°	3138	3668	3138
70°	3223	3877	3223
75°	3394	3394	3394
80°	3868	3868	3868
85°	2569	5138	2569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 45740 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.5	8.4
10°-20°	358.7	22.7
20°-30°	493.0	31.1
30°-40°	451.6	28.5
40°-50°	119.9	7.6
50°-60°	10.7	0.7
60°-70°	8.7	0.6
70°-80°	5.8	0.4
80°-90°	2.2	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°	984.2	62.2
0°-40°	1435.7	90.7
0°-60°	1566.3	98.9
0°-90°	1583.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1583.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1485	1485	1485	1485	1485	
5°	1422	1415	1414	1411	1409	133
15°	1289	1278	1275	1275	1274	362
25°	1073	1077	1081	1068	1060	493
35°	735	746	769	735	706	446
45°	28	96	188	98	31	85
55°	12	12	12	12	12	10
65°	8	9	9	9	8	8
75°	5	5	5	5	5	5
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°	1484.6	1484.6	1484.6	1484.6	1484.6
1°	1484.6	1482.1	1484.6	1484.6	1482.1
2°	1473.1	1470.5	1471.8	1470.5	1469.2
3°	1456.3	1452.5	1453.8	1451.2	1448.6
4°	1437.0	1433.2	1433.2	1431.9	1429.3
5°	1421.6	1415.2	1413.9	1411.3	1408.7
6°	1403.6	1397.1	1395.9	1392.0	1389.4
7°	1385.6	1380.4	1379.1	1374.0	1374.0
8°	1371.4	1365.0	1365.0	1358.6	1358.6
9°	1359.8	1352.1	1352.1	1347.0	1344.4
10°	1348.3	1340.5	1340.5	1334.1	1331.5
11°	1336.7	1330.2	1327.7	1323.8	1322.5
12°	1326.4	1317.4	1314.8	1313.5	1311.0
13°	1313.5	1304.5	1301.9	1300.7	1299.4
14°	1301.9	1290.4	1289.1	1286.5	1287.8
15°	1289.1	1277.5	1274.9	1274.9	1273.6
17.5°	1249.2	1241.5	1237.6	1235.0	1232.5
20°	1201.6	1195.2	1192.6	1187.4	1184.9
22.5°	1139.8	1138.6	1137.3	1130.8	1120.5
25°	1072.9	1076.8	1080.7	1067.8	1060.1
27.5°	1008.6	1018.9	1022.8	1009.9	993.2
30°	941.7	950.7	958.4	940.4	922.4
32.5°	845.2	867.1	878.7	858.1	816.9
35°	734.6	746.2	769.3	734.6	706.3
37.5°	605.9	612.4	630.4	607.2	587.9
40°	437.4	456.7	470.9	456.7	437.4
42.5°	196.8	275.3	311.3	290.8	205.8
45°	28.3	96.5	187.8	97.8	30.9
47.5°	11.6	15.4	97.8	14.2	11.6
50°	11.6	11.6	34.7	11.6	11.6
52.5°	11.6	11.6	12.9	11.6	11.6
55°	11.6	11.6	11.6	11.6	11.6
57.5°	10.3	10.3	11.6	10.3	10.3
60°	10.3	10.3	10.3	10.3	10.3
62.5°	9.0	10.3	10.3	10.3	9.0
65°	7.7	9.0	9.0	9.0	7.7
67.5°	7.7	7.7	7.7	7.7	7.7
70°	6.4	7.7	7.7	7.7	6.4
72.5°	6.4	6.4	6.4	6.4	6.4
75°	5.1	5.1	5.1	5.1	5.1
77.5°	3.9	5.1	5.1	5.1	3.9
80°	3.9	3.9	3.9	3.9	3.9
82.5°	2.6	2.6	2.6	2.6	2.6
85°	1.3	2.6	2.6	2.6	1.3
87.5°	1.3	1.3	1.3	1.3	1.3



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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)