

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: P1312670

Luminaire Tested: P3SQAS17R709727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312670
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: P3SQAS17R709727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

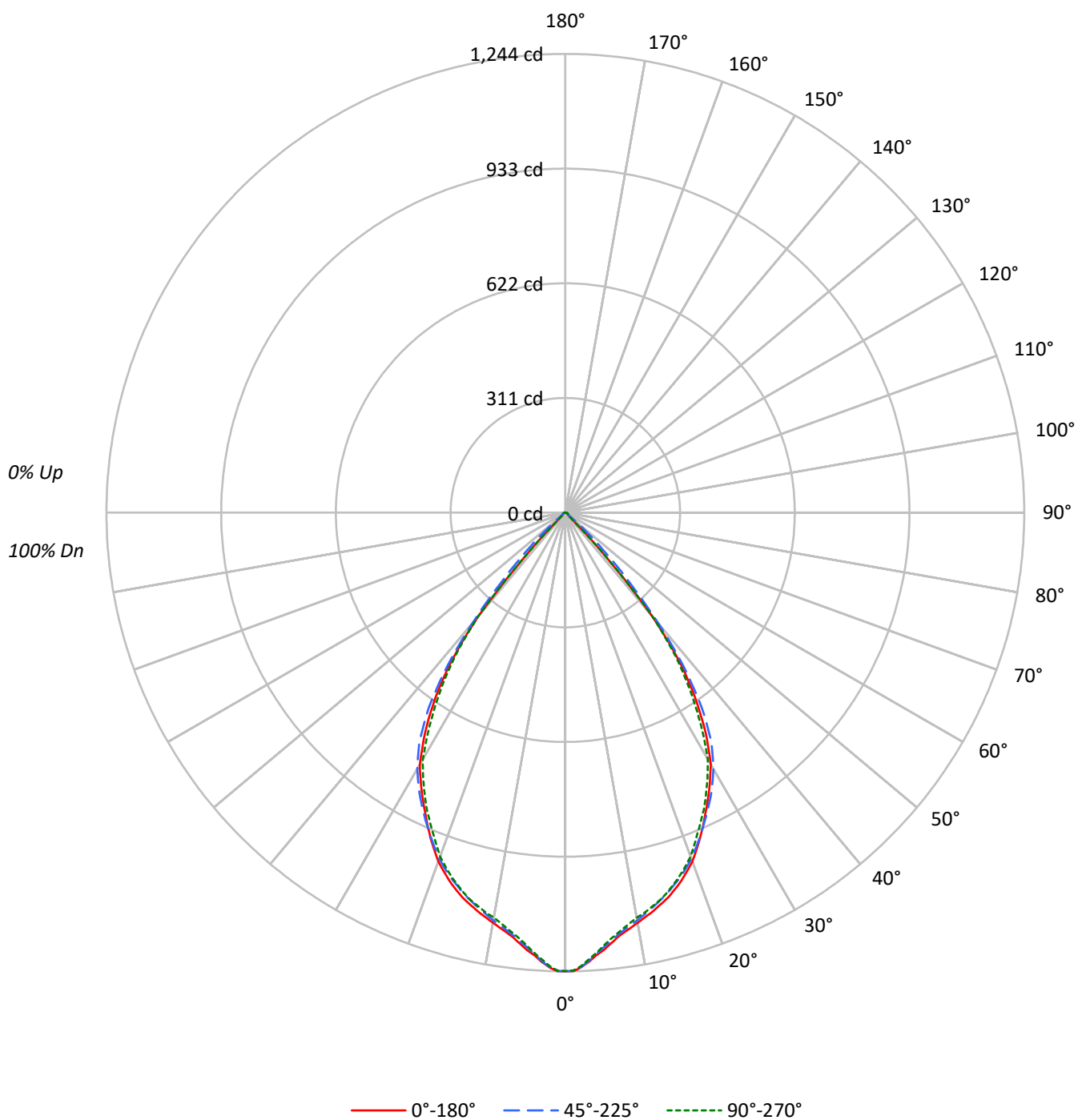
Lumens per Lamp: N/A
Luminaire Lumens: 1326.0 lumens
Efficiency: N/A
Efficacy: 62.5 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	75	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°	214176	214176	214176
5°	205866	204742	203999
10°	197509	196372	195061
15°	192526	190404	190226
20°	184467	183092	181901
25°	170796	172012	168744
30°	156865	159649	153663
35°	129364	135482	124381
40°	82374	88669	82374
45°	5772	38312	6308
50°	2599	7797	2599
55°	2913	2913	2913
60°	2962	2962	2962
65°	2649	3056	2649
70°	2719	3273	2719
75°	2861	2861	2861
80°	3174	3174	3174
85°	2174	4347	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 38312 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.0	8.4
10°-20°	300.4	22.7
20°-30°	413.0	31.1
30°-40°	378.2	28.5
40°-50°	100.4	7.6
50°-60°	9.0	0.7
60°-70°	7.3	0.6
70°-80°	4.9	0.4
80°-90°	1.9	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°	824.4	62.2
0°-40°	1202.6	90.7
0°-60°	1312.0	98.9
0°-90°	1326.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1326.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1244	1244	1244	1244	1244	
5°	1191	1185	1184	1182	1180	112
15°	1080	1070	1068	1068	1067	303
25°	899	902	905	894	888	413
35°	615	625	644	615	592	373
45°	24	81	157	82	26	71
55°	10	10	10	10	10	8
65°	6	8	8	8	6	7
75°	4	4	4	4	4	5
85°	1	2	2	2	1	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1243.6	1243.6	1243.6	1243.6	1243.6
1°	1243.6	1241.4	1243.6	1243.6	1241.4
2°	1233.9	1231.7	1232.8	1231.7	1230.7
3°	1219.9	1216.7	1217.7	1215.6	1213.4
4°	1203.7	1200.5	1200.5	1199.4	1197.3
5°	1190.8	1185.4	1184.3	1182.2	1180.0
6°	1175.7	1170.3	1169.2	1166.0	1163.9
7°	1160.6	1156.3	1155.2	1150.9	1150.9
8°	1148.8	1143.4	1143.4	1138.0	1138.0
9°	1139.1	1132.6	1132.6	1128.3	1126.1
10°	1129.4	1122.9	1122.9	1117.5	1115.4
11°	1119.7	1114.3	1112.1	1108.9	1107.8
12°	1111.1	1103.5	1101.4	1100.3	1098.1
13°	1100.3	1092.7	1090.6	1089.5	1088.4
14°	1090.6	1080.9	1079.8	1077.6	1078.7
15°	1079.8	1070.1	1067.9	1067.9	1066.9
17.5°	1046.4	1039.9	1036.7	1034.5	1032.4
20°	1006.5	1001.1	999.0	994.7	992.5
22.5°	954.8	953.7	952.6	947.2	938.6
25°	898.8	902.0	905.2	894.4	888.0
27.5°	844.9	853.5	856.7	845.9	831.9
30°	788.8	796.4	802.8	787.8	772.7
32.5°	708.0	726.3	736.0	718.8	684.3
35°	615.3	625.0	644.4	615.3	591.6
37.5°	507.6	513.0	528.0	508.6	492.5
40°	366.4	382.6	394.4	382.6	366.4
42.5°	164.9	230.6	260.8	243.5	172.4
45°	23.7	80.8	157.3	81.9	25.9
47.5°	9.7	12.9	81.9	11.9	9.7
50°	9.7	9.7	29.1	9.7	9.7
52.5°	9.7	9.7	10.8	9.7	9.7
55°	9.7	9.7	9.7	9.7	9.7
57.5°	8.6	8.6	9.7	8.6	8.6
60°	8.6	8.6	8.6	8.6	8.6
62.5°	7.5	8.6	8.6	8.6	7.5
65°	6.5	7.5	7.5	7.5	6.5
67.5°	6.5	6.5	6.5	6.5	6.5
70°	5.4	6.5	6.5	6.5	5.4
72.5°	5.4	5.4	5.4	5.4	5.4
75°	4.3	4.3	4.3	4.3	4.3
77.5°	3.2	4.3	4.3	4.3	3.2
80°	3.2	3.2	3.2	3.2	3.2
82.5°	2.2	2.2	2.2	2.2	2.2
85°	1.1	2.2	2.2	2.2	1.1
87.5°	1.1	1.1	1.1	1.1	1.1



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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)