

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: P1313642

Luminaire Tested: P3SQAS17R709730DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313642
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: P3SQAS17R709730DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

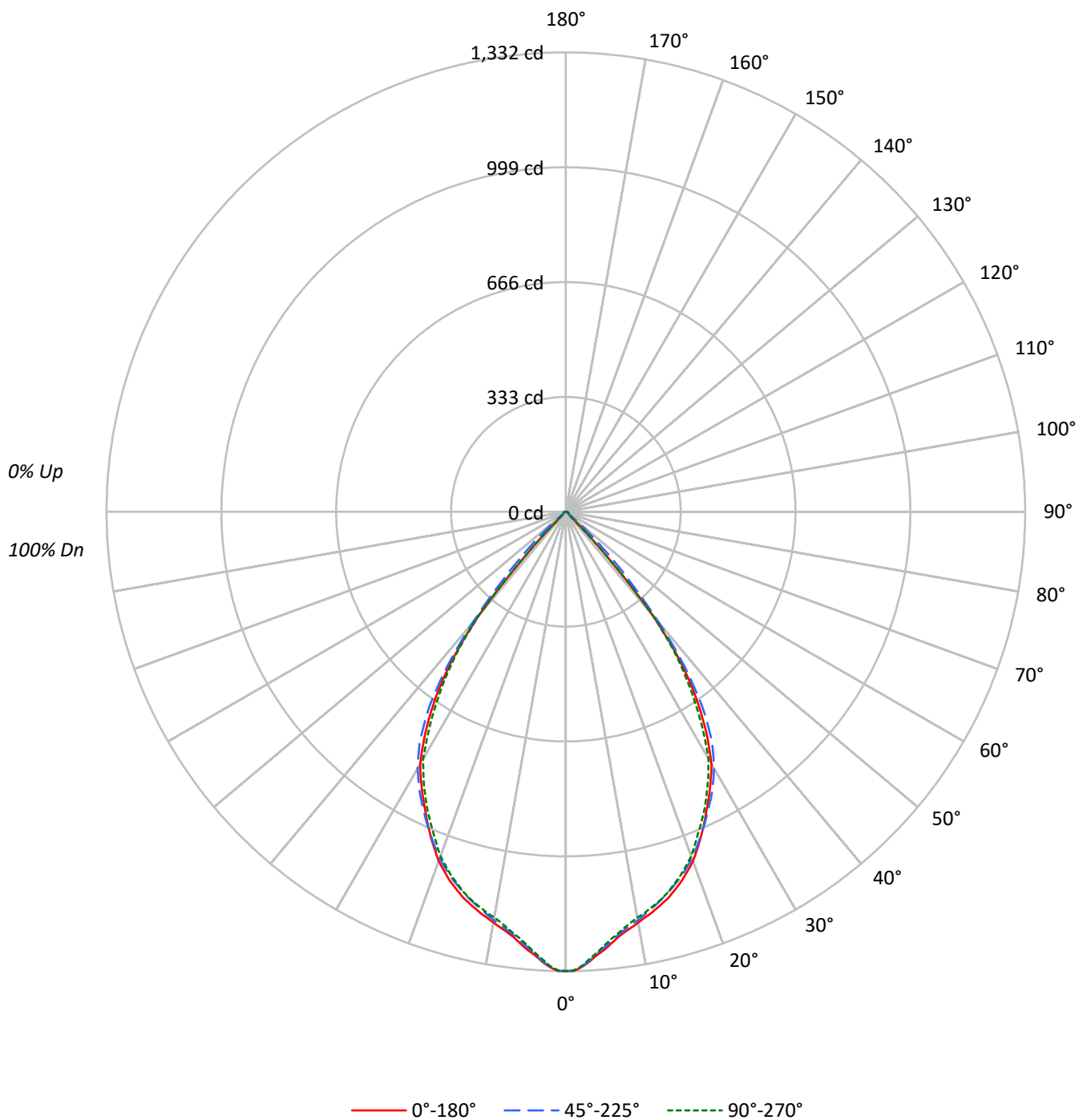
Lumens per Lamp: N/A
Luminaire Lumens: 1420.0 lumens
Efficiency: N/A
Efficacy: 67.0 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	229366	229366	229366
5°	220457	219264	218469
10°	211499	210293	208876
15°	206166	203919	203705
20°	197553	196068	194804
25°	182901	184212	180696
30°	168002	170985	164541
35°	138551	145090	133211
40°	88220	94964	88220
45°	6186	41040	6747
50°	2786	8359	2786
55°	3123	3123	3123
60°	3169	3169	3169
65°	2812	3301	2812
70°	2921	3474	2921
75°	3061	3061	3061
80°	3471	3471	3471
85°	2371	4545	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 41040 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.9	8.4
10°-20°	321.7	22.7
20°-30°	442.2	31.1
30°-40°	405.1	28.5
40°-50°	107.5	7.6
50°-60°	9.6	0.7
60°-70°	7.8	0.5
70°-80°	5.2	0.4
80°-90°	2.0	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°	882.8	62.2
0°-40°	1287.9	90.7
0°-60°	1405.0	98.9
0°-90°	1420.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1420.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1332	1332	1332	1332	1332	
5°	1275	1269	1268	1266	1264	119
15°	1156	1146	1144	1144	1142	324
25°	962	966	969	958	951	442
35°	659	669	690	659	634	400
45°	25	87	168	88	28	76
55°	10	10	10	10	10	9
65°	7	8	8	8	7	7
75°	5	5	5	5	5	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°	1331.8	1331.8	1331.8	1331.8	1331.8
1°	1331.8	1329.5	1331.8	1331.8	1329.5
2°	1321.4	1319.1	1320.2	1319.1	1317.9
3°	1306.4	1302.9	1304.1	1301.8	1299.4
4°	1289.1	1285.6	1285.6	1284.4	1282.1
5°	1275.2	1269.4	1268.3	1266.0	1263.7
6°	1259.1	1253.3	1252.1	1248.7	1246.4
7°	1242.9	1238.3	1237.1	1232.5	1232.5
8°	1230.2	1224.4	1224.4	1218.7	1218.7
9°	1219.8	1212.9	1212.9	1208.3	1206.0
10°	1209.4	1202.5	1202.5	1196.7	1194.4
11°	1199.0	1193.3	1191.0	1187.5	1186.4
12°	1189.8	1181.7	1179.4	1178.3	1176.0
13°	1178.3	1170.2	1167.9	1166.7	1165.6
14°	1167.9	1157.5	1156.3	1154.0	1155.2
15°	1156.3	1146.0	1143.7	1143.7	1142.5
17.5°	1120.6	1113.6	1110.2	1107.9	1105.6
20°	1077.9	1072.1	1069.8	1065.2	1062.9
22.5°	1022.5	1021.3	1020.2	1014.4	1005.2
25°	962.5	965.9	969.4	957.9	950.9
27.5°	904.8	914.0	917.5	905.9	890.9
30°	844.8	852.8	859.8	843.6	827.4
32.5°	758.2	777.8	788.2	769.7	732.8
35°	659.0	669.3	690.1	659.0	633.6
37.5°	543.6	549.3	565.5	544.7	527.4
40°	392.4	409.7	422.4	409.7	392.4
42.5°	176.6	247.0	279.3	260.8	184.6
45°	25.4	86.6	168.5	87.7	27.7
47.5°	10.4	13.8	87.7	12.7	10.4
50°	10.4	10.4	31.2	10.4	10.4
52.5°	10.4	10.4	11.5	10.4	10.4
55°	10.4	10.4	10.4	10.4	10.4
57.5°	9.2	9.2	10.4	9.2	9.2
60°	9.2	9.2	9.2	9.2	9.2
62.5°	8.1	9.2	9.2	9.2	8.1
65°	6.9	8.1	8.1	8.1	6.9
67.5°	6.9	6.9	6.9	6.9	6.9
70°	5.8	6.9	6.9	6.9	5.8
72.5°	5.8	5.8	5.8	5.8	5.8
75°	4.6	4.6	4.6	4.6	4.6
77.5°	3.5	4.6	4.6	4.6	3.5
80°	3.5	3.5	3.5	3.5	3.5
82.5°	2.3	2.3	2.3	2.3	2.3
85°	1.2	2.3	2.3	2.3	1.2
87.5°	1.2	1.2	1.2	1.2	1.2



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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)