

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: P1317349

Luminaire Tested: P3SQAS17R709830DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317349
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: P3SQAS17R709830DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

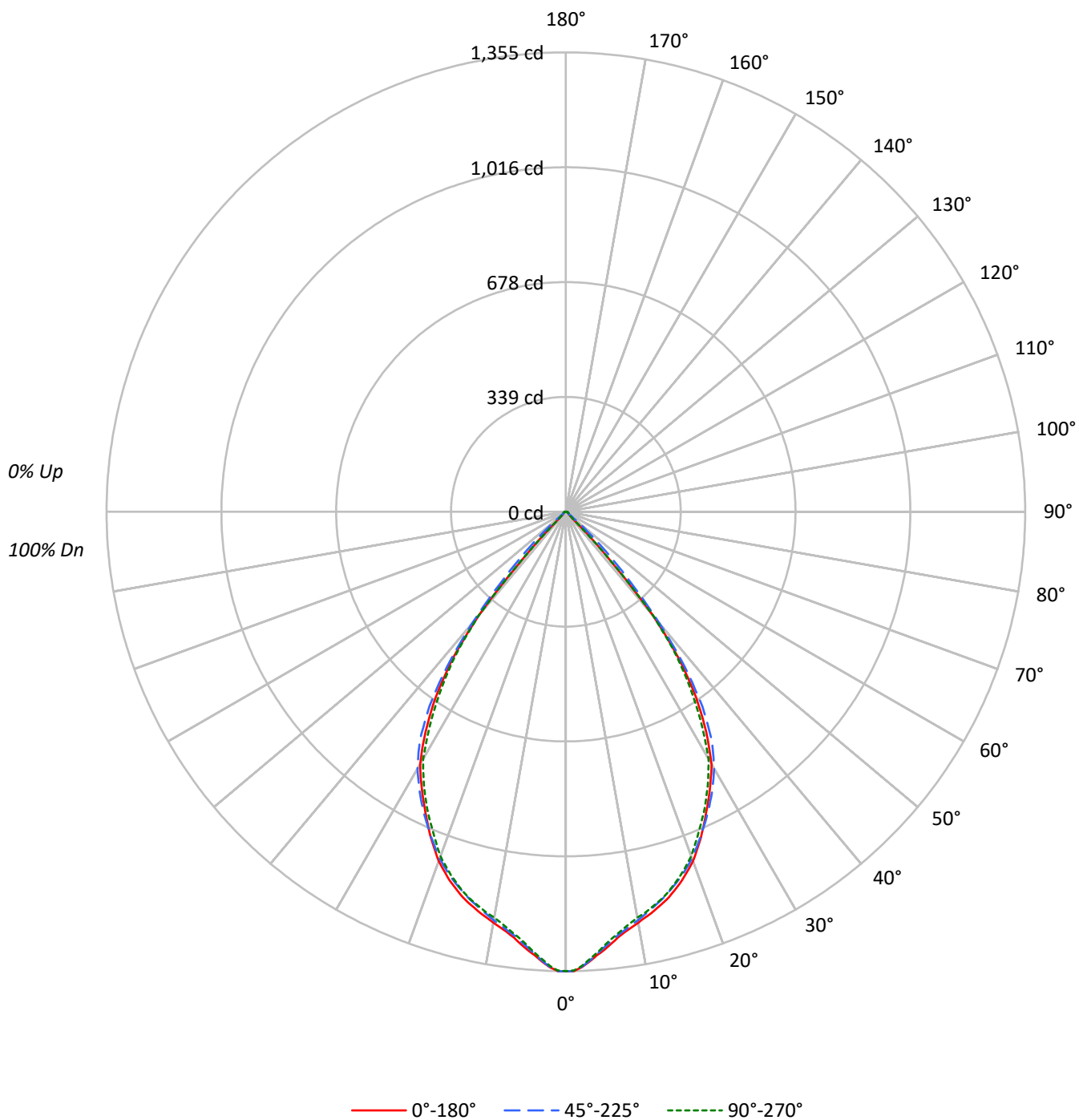
Lumens per Lamp: N/A
Luminaire Lumens: 1445.0 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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

TEST NUMBER: P1317349

CATALOG NUMBER: P3SQAS17R709830DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1317349

CATALOG NUMBER: P3SQAS17R709830DE010 E3SQCD1MW

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°	233396	233396	233396
5°	224347	223120	222307
10°	215224	214000	212566
15°	209803	207503	207289
20°	201017	199514	198231
25°	186112	187461	183889
30°	170945	173987	167445
35°	140990	147655	135545
40°	89771	96628	89771
45°	6284	41770	6868
50°	2840	8493	2840
55°	3183	3183	3183
60°	3238	3238	3238
65°	2853	3342	2853
70°	2971	3525	2971
75°	3127	3127	3127
80°	3471	3471	3471
85°	2371	4545	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 41770 cd/sqm

TEST NUMBER: P1317349

CATALOG NUMBER: P3SQAS17R709830DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.9	8.4
10°-20°	327.4	22.7
20°-30°	450.0	31.1
30°-40°	412.2	28.5
40°-50°	109.4	7.6
50°-60°	9.8	0.7
60°-70°	7.9	0.5
70°-80°	5.3	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°	898.4	62.2
0°-40°	1310.6	90.7
0°-60°	1429.8	98.9
0°-90°	1445.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1445.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1355	1355	1355	1355	1355	
5°	1298	1292	1291	1288	1286	122
15°	1177	1166	1164	1164	1163	330
25°	979	983	986	975	968	450
35°	671	681	702	671	645	407
45°	26	88	172	89	28	78
55°	11	11	11	11	11	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	

TEST NUMBER: P1317349

CATALOG NUMBER: P3SQAS17R709830DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1355.2	1355.2	1355.2	1355.2	1355.2
1°	1355.2	1352.9	1355.2	1355.2	1352.9
2°	1344.6	1342.3	1343.5	1342.3	1341.1
3°	1329.4	1325.8	1327.0	1324.7	1322.3
4°	1311.8	1308.2	1308.2	1307.1	1304.7
5°	1297.7	1291.8	1290.6	1288.3	1285.9
6°	1281.2	1275.3	1274.2	1270.7	1268.3
7°	1264.8	1260.1	1258.9	1254.2	1254.2
8°	1251.9	1246.0	1246.0	1240.1	1240.1
9°	1241.3	1234.2	1234.2	1229.5	1227.2
10°	1230.7	1223.7	1223.7	1217.8	1215.5
11°	1220.2	1214.3	1211.9	1208.4	1207.2
12°	1210.8	1202.5	1200.2	1199.0	1196.7
13°	1199.0	1190.8	1188.4	1187.3	1186.1
14°	1188.4	1177.9	1176.7	1174.4	1175.5
15°	1176.7	1166.1	1163.8	1163.8	1162.6
17.5°	1140.3	1133.3	1129.7	1127.4	1125.0
20°	1096.8	1091.0	1088.6	1083.9	1081.6
22.5°	1040.5	1039.3	1038.1	1032.3	1022.9
25°	979.4	982.9	986.5	974.7	967.7
27.5°	920.7	930.1	933.6	921.9	906.6
30°	859.6	867.8	874.9	858.5	842.0
32.5°	771.6	791.5	802.1	783.3	745.7
35°	670.6	681.1	702.3	670.6	644.7
37.5°	553.1	559.0	575.4	554.3	536.7
40°	399.3	416.9	429.8	416.9	399.3
42.5°	179.7	251.3	284.2	265.4	187.9
45°	25.8	88.1	171.5	89.3	28.2
47.5°	10.6	14.1	89.3	12.9	10.6
50°	10.6	10.6	31.7	10.6	10.6
52.5°	10.6	10.6	11.7	10.6	10.6
55°	10.6	10.6	10.6	10.6	10.6
57.5°	9.4	9.4	10.6	9.4	9.4
60°	9.4	9.4	9.4	9.4	9.4
62.5°	8.2	9.4	9.4	9.4	8.2
65°	7.0	8.2	8.2	8.2	7.0
67.5°	7.0	7.0	7.0	7.0	7.0
70°	5.9	7.0	7.0	7.0	5.9
72.5°	5.9	5.9	5.9	5.9	5.9
75°	4.7	4.7	4.7	4.7	4.7
77.5°	3.5	4.7	4.7	4.7	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



TEST NUMBER: P1317349

CATALOG NUMBER: P3SQAS17R709830DE010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)