

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: P1308251

Luminaire Tested: P3SQAS17R709030DE010 E3SQCLDWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308251
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R709030DE010 E3SQCLDWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3SQCLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

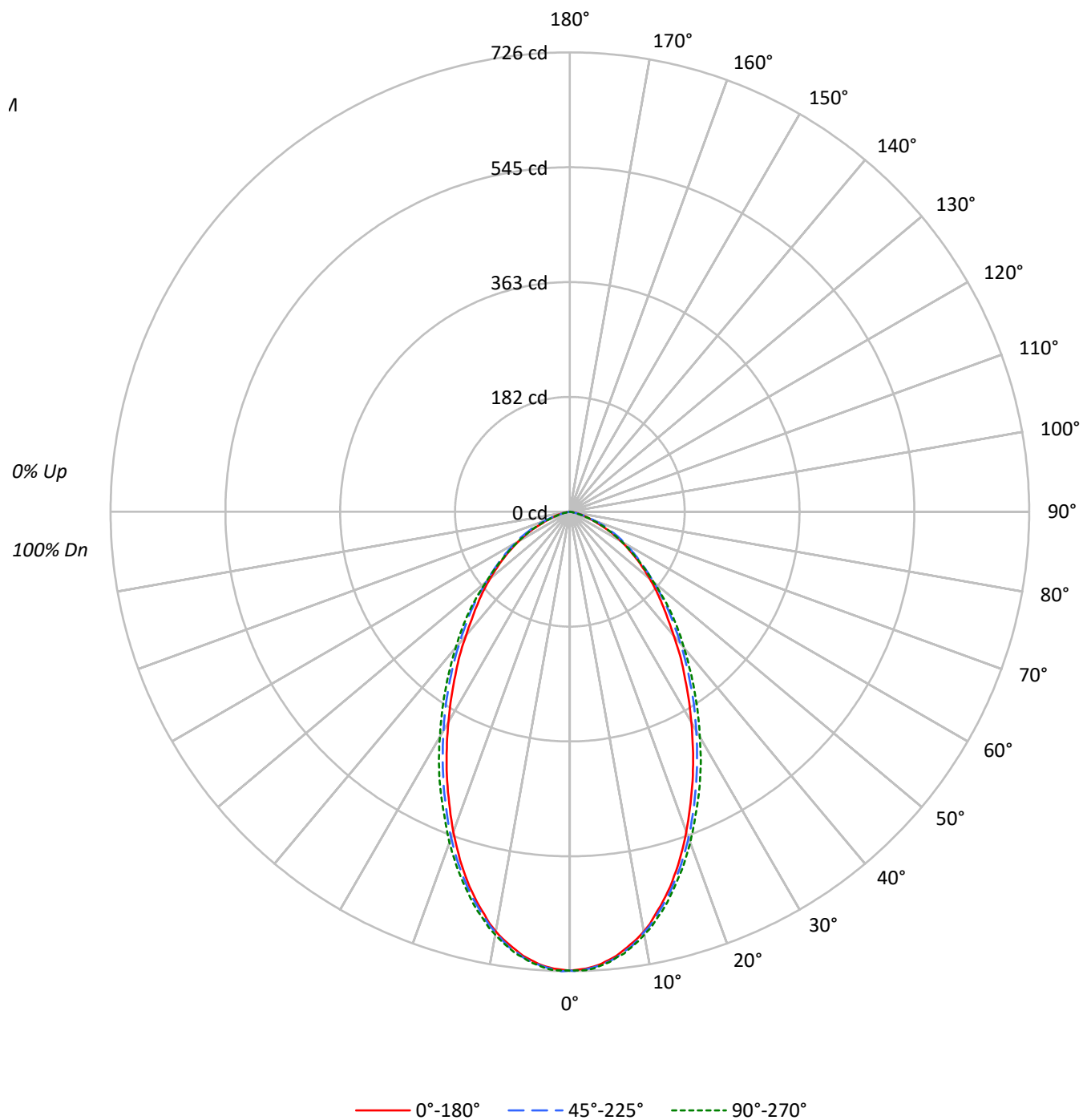
Lumens per Lamp: N/A
Luminaire Lumens: 1038.0 lumens
Efficiency: N/A
Efficacy: 49.0 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1308251

CATALOG NUMBER: P3SQAS17R709030DE010 E3SQCLDWW1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1308251

CATALOG NUMBER: P3SQAS17R709030DE010 E3SQCLDWW1MB

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	111	108	104	102	109	106	103	100	101	99	97		98	96	94		94
2	103	97	92	87	101	95	90	86	92	88	84		89	85	82		86
3	96	87	81	76	94	86	80	75	83	78	74		81	76	72		78
4	89	79	72	66	87	78	71	66	76	70	65		74	69	64		72
5	83	72	65	59	81	71	64	59	69	63	58		67	62	58		66
6	78	66	59	53	76	65	58	53	64	57	53		62	56	52		61
7	73	61	53	48	71	60	53	48	59	52	48		58	52	47		56
8	68	57	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	41	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	124879	124879	124879
5°	122901	123350	123575
10°	117799	118009	118691
15°	109297	110224	111133
20°	98657	100545	101974
25°	87374	89807	92011
30°	76325	79387	81694
35°	66332	69864	72030
40°	57329	61084	63130
45°	50198	53632	55215
50°	44155	46245	46245
55°	38283	40205	39064
60°	32378	34617	32826
65°	25184	28852	26244
70°	18178	21401	18178
75°	13708	12843	10314
80°	8926	6347	2579
85°	2569	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 55215 cd/sqm

TEST NUMBER: P1308251

CATALOG NUMBER: P3SQAS17R709030DE010 E3SQCLDWW1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.8	6.4
10°-20°	172.5	16.6
20°-30°	216.6	20.9
30°-40°	206.9	19.9
40°-50°	168.2	16.2
50°-60°	117.8	11.3
60°-70°	66.5	6.4
70°-80°	21.0	2.0
80°-90°	1.6	0.2
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°	456.0	43.9
0°-40°	662.9	63.9
0°-60°	948.8	91.4
0°-90°	1038.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1038.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	725	725	725	725	725	
5°	711	712	714	712	715	67
15°	613	614	618	620	623	171
25°	460	465	473	480	484	211
35°	316	321	332	339	343	198
45°	206	211	220	224	227	160
55°	128	129	134	131	130	114
65°	62	66	71	67	64	62
75°	21	21	19	17	16	22
85°	1	1	0	0	0	3
90°	0	0	0	0	0	

TEST NUMBER: P1308251

CATALOG NUMBER: P3SQAS17R709030DE010 E3SQCLDWW1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	725.1	725.1	725.1	725.1	725.1
1°	723.8	725.1	726.4	723.8	725.1
2°	722.5	723.8	723.8	722.5	725.1
3°	719.9	721.2	721.2	719.9	722.5
4°	716.1	717.3	717.3	716.1	718.6
5°	710.9	712.2	713.5	712.2	714.8
6°	705.8	707.0	708.3	707.0	708.3
7°	698.0	700.6	700.6	700.6	703.2
8°	690.3	692.9	694.2	692.9	695.4
9°	682.6	683.9	685.1	685.1	687.7
10°	673.6	674.8	674.8	676.1	678.7
11°	663.3	663.3	665.8	665.8	669.7
12°	650.4	651.7	654.2	655.5	658.1
13°	638.8	640.1	642.6	643.9	647.8
14°	625.9	628.5	631.1	632.3	636.2
15°	613.0	614.3	618.2	619.5	623.3
17.5°	577.0	578.3	584.7	587.3	591.1
20°	538.3	542.2	548.6	552.5	556.4
22.5°	498.4	502.3	510.0	516.4	519.0
25°	459.8	464.9	472.6	480.4	484.2
27.5°	421.1	426.3	435.3	443.0	448.2
30°	383.8	388.9	399.2	405.7	410.8
32.5°	349.0	354.2	365.8	372.2	376.1
35°	315.5	320.7	332.3	338.7	342.6
37.5°	285.9	291.1	301.4	307.8	310.4
40°	255.0	261.4	271.7	278.2	280.8
42.5°	229.2	234.4	244.7	249.8	253.7
45°	206.1	211.2	220.2	224.1	226.7
47.5°	185.5	188.0	195.8	197.0	199.6
50°	164.8	167.4	172.6	173.9	172.6
52.5°	145.5	148.1	152.0	150.7	150.7
55°	127.5	128.8	133.9	131.4	130.1
57.5°	109.5	112.0	117.2	113.3	112.0
60°	94.0	96.6	100.5	97.9	95.3
62.5°	78.6	79.8	86.3	81.1	78.6
65°	61.8	65.7	70.8	67.0	64.4
67.5°	46.4	52.8	58.0	52.8	50.2
70°	36.1	38.6	42.5	39.9	36.1
72.5°	27.0	28.3	29.6	27.0	24.5
75°	20.6	20.6	19.3	16.7	15.5
77.5°	14.2	14.2	11.6	7.7	7.7
80°	9.0	9.0	6.4	2.6	2.6
82.5°	3.9	3.9	2.6	1.3	1.3
85°	1.3	1.3	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1308251
CATALOG NUMBER: P3SQAS17R709030DE010 E3SQCLDWW1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)