

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: P1306978

Luminaire Tested: P3SQAS13R709027DE010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306978
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R709027DE010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

Summary

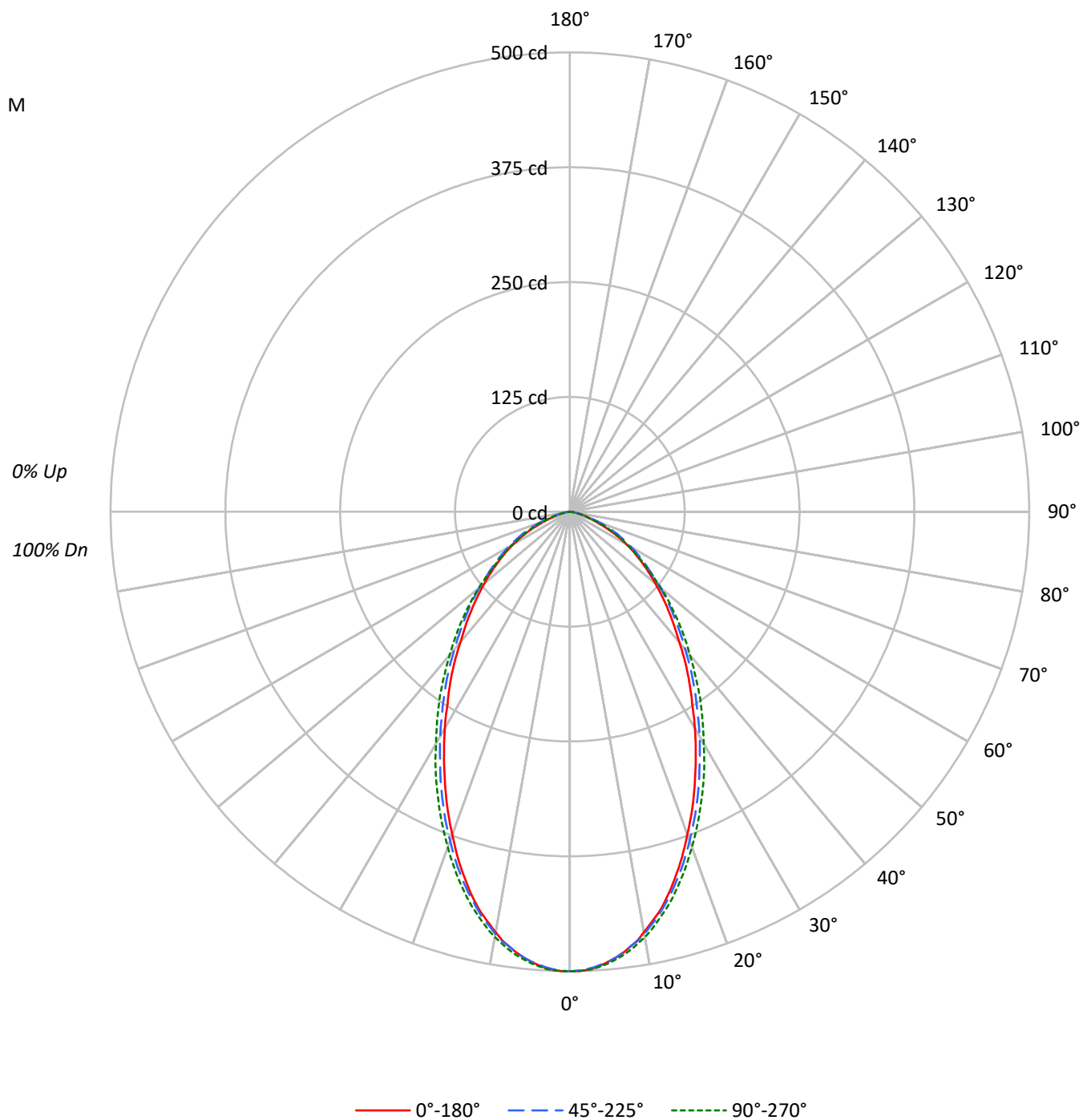
Lumens per Lamp: N/A
Luminaire Lumens: 751.0 lumens
Efficiency: N/A
Efficacy: 51.4 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1306978

CATALOG NUMBER: P3SQAS13R709027DE010 E3SQCLDWW1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1306978

CATALOG NUMBER: P3SQAS13R709027DE010 E3SQCLDWW1MW

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	107	104	101	109	105	102	99	101	98	96		97	95	93		94
2	103	96	91	86	101	95	89	85	91	87	83		88	84	81		85
3	95	87	80	75	93	85	79	74	82	77	73		80	75	71		77
4	89	78	71	65	87	77	70	65	75	69	64		73	67	63		71
5	83	71	64	58	81	70	63	58	68	62	57		67	61	57		65
6	77	65	58	52	75	64	57	52	63	56	51		61	55	51		60
7	72	60	52	47	70	59	52	47	58	51	47		57	51	46		55
8	68	56	48	43	66	55	48	43	54	47	42		53	47	42		51
9	64	52	44	39	62	51	44	39	50	44	39		49	43	39		48
10	60	48	41	36	59	48	41	36	47	40	36		46	40	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	86146	86146	86146
5°	84902	84902	85213
10°	81284	81599	82228
15°	75741	76383	77364
20°	68545	69865	71203
25°	61227	62956	64685
30°	54151	56140	57949
35°	47705	49807	51909
40°	41637	43885	45706
45°	36924	38921	40236
50°	32580	34295	34777
55°	28615	30266	29426
60°	24697	26591	25317
65°	19601	22943	20702
70°	14150	17826	15560
75°	10846	11445	9649
80°	7240	7240	5356
85°	3557	3557	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 40236 cd/sqm

TEST NUMBER: P1306978

CATALOG NUMBER: P3SQAS13R709027DE010 E3SQCLDWW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.1	6.1
10°-20°	119.7	15.9
20°-30°	152.1	20.3
30°-40°	148.0	19.7
40°-50°	123.0	16.4
50°-60°	88.7	11.8
60°-70°	52.2	7.0
70°-80°	18.5	2.5
80°-90°	2.7	0.4
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°	317.9	42.3
0°-40°	465.9	62.0
0°-60°	677.6	90.2
0°-90°	751.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	751.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	500	500	500	500	500	
5°	491	490	491	491	493	46
15°	425	425	428	431	434	119
25°	322	326	331	338	340	148
35°	227	230	237	243	247	142
45°	152	154	160	163	165	117
55°	95	98	101	100	98	86
65°	48	52	56	54	51	48
75°	16	17	17	15	14	18
85°	2	2	2	2	2	3
90°	0	0	0	0	0	

TEST NUMBER: P1306978

CATALOG NUMBER: P3SQAS13R709027DE010 E3SQCLDWW1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	500.2	500.2	500.2	500.2	500.2
1°	500.2	499.2	499.2	499.2	500.2
2°	499.2	498.3	498.3	498.3	499.2
3°	497.4	496.5	496.5	496.5	498.3
4°	494.7	492.9	493.8	493.8	495.6
5°	491.1	490.2	491.1	491.1	492.9
6°	487.4	486.5	487.4	487.4	489.3
7°	482.9	482.0	482.9	483.8	485.6
8°	477.5	476.6	477.5	478.4	481.1
9°	472.0	471.1	472.9	473.8	475.6
10°	464.8	464.8	466.6	467.5	470.2
11°	457.5	457.5	459.3	461.1	463.8
12°	450.2	450.2	453.0	454.8	456.6
13°	443.0	442.1	444.8	446.6	449.3
14°	433.9	433.0	436.6	439.3	442.1
15°	424.8	424.8	428.4	431.2	433.9
17.5°	400.3	401.2	405.8	409.4	412.1
20°	374.0	376.7	381.2	385.8	388.5
22.5°	348.6	350.4	356.7	362.2	364.9
25°	322.2	325.9	331.3	337.7	340.4
27.5°	296.8	300.5	305.9	312.3	316.8
30°	272.3	275.0	282.3	288.7	291.4
32.5°	247.8	251.4	258.7	265.1	268.7
35°	226.9	229.7	236.9	243.3	246.9
37.5°	206.1	208.8	216.0	221.5	224.2
40°	185.2	189.7	195.2	200.6	203.3
42.5°	167.9	171.6	177.0	181.5	184.3
45°	151.6	154.3	159.8	163.4	165.2
47.5°	136.2	138.9	144.3	146.1	147.1
50°	121.6	124.4	128.0	128.9	129.8
52.5°	108.0	109.8	113.5	113.5	112.6
55°	95.3	98.0	100.8	99.8	98.0
57.5°	83.5	84.4	89.0	87.1	85.3
60°	71.7	73.5	77.2	75.3	73.5
62.5°	59.9	61.7	66.3	64.4	61.7
65°	48.1	51.7	56.3	53.6	50.8
67.5°	36.3	40.8	45.4	42.7	40.8
70°	28.1	31.8	35.4	32.7	30.9
72.5°	21.8	23.6	25.4	23.6	21.8
75°	16.3	17.2	17.2	15.4	14.5
77.5°	11.8	12.7	10.9	9.1	9.1
80°	7.3	8.2	7.3	5.4	5.4
82.5°	3.6	4.5	3.6	3.6	3.6
85°	1.8	1.8	1.8	1.8	1.8
87.5°	0.9	0.9	0.9	0.9	0.9



TEST NUMBER: P1306978

CATALOG NUMBER: P3SQAS13R709027DE010 E3SQCLDWW1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)