

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: P1315443

Luminaire Tested: P3SQAS13R709740DE010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315443
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: P3SQAS13R709740DE010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

Summary

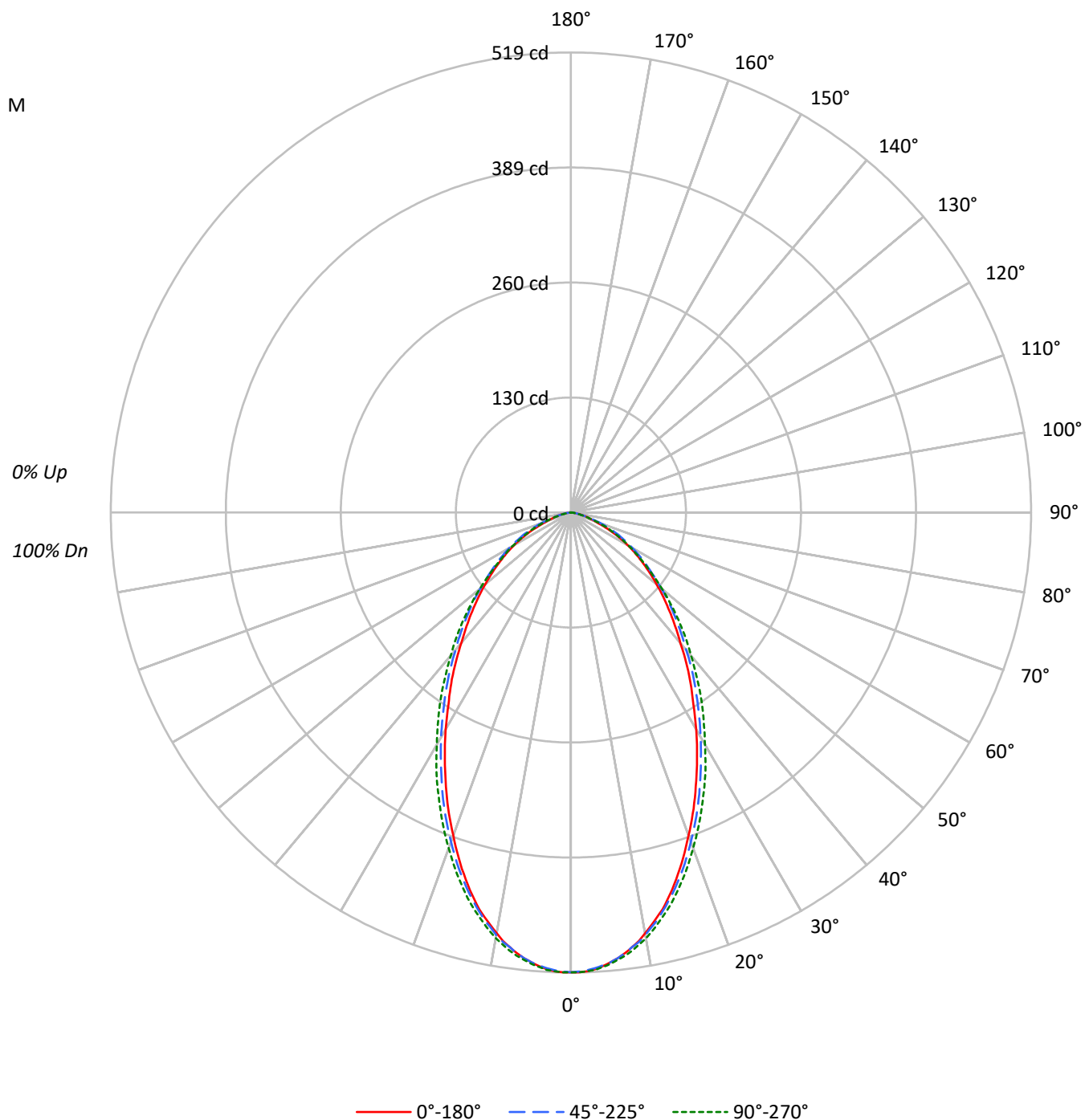
Lumens per Lamp: N/A
Luminaire Lumens: 779.0 lumens
Efficiency: N/A
Efficacy: 53.4 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1315443

CATALOG NUMBER: P3SQAS13R709740DE010 E3SQCLDWW1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1315443

CATALOG NUMBER: P3SQAS13R709740DE010 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°	89349	89349	89349
5°	88065	88065	88394
10°	84309	84642	85289
15°	78576	79236	80252
20°	71093	72485	73860
25°	63526	65312	67098
30°	56180	58228	60097
35°	49492	51657	53844
40°	43188	45504	47415
45°	38288	40358	41746
50°	33813	35581	36063
55°	29696	31377	30537
60°	25627	27556	26281
65°	20335	23799	21476
70°	14704	18480	16113
75°	11246	11911	10048
80°	7438	7438	5554
85°	3754	3754	3754

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 41746 cd/sqm

TEST NUMBER: P1315443

CATALOG NUMBER: P3SQAS13R709740DE010 E3SQCLDWW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	6.1
10°-20°	124.2	15.9
20°-30°	157.8	20.3
30°-40°	153.5	19.7
40°-50°	127.6	16.4
50°-60°	92.0	11.8
60°-70°	54.2	7.0
70°-80°	19.2	2.5
80°-90°	2.8	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°	329.8	42.3
0°-40°	483.2	62.0
0°-60°	702.9	90.2
0°-90°	779.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	779.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	519	519	519	519	519	
5°	509	508	509	509	511	48
15°	441	441	444	447	450	123
25°	334	338	344	350	353	154
35°	235	238	246	252	256	147
45°	157	160	166	170	171	122
55°	99	102	104	104	102	89
65°	50	54	58	56	53	50
75°	17	18	18	16	15	18
85°	2	2	2	2	2	3
90°	0	0	0	0	0	

TEST NUMBER: P1315443

CATALOG NUMBER: P3SQAS13R709740DE010 E3SQCLDWW1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	518.8	518.8	518.8	518.8	518.8
1°	518.8	517.9	517.9	517.9	518.8
2°	517.9	516.9	516.9	516.9	517.9
3°	516.0	515.0	515.0	515.0	516.9
4°	513.2	511.3	512.2	512.2	514.1
5°	509.4	508.4	509.4	509.4	511.3
6°	505.6	504.7	505.6	505.6	507.5
7°	500.9	500.0	500.9	501.9	503.7
8°	495.3	494.3	495.3	496.2	499.0
9°	489.6	488.7	490.6	491.5	493.4
10°	482.1	482.1	484.0	484.9	487.7
11°	474.6	474.6	476.4	478.3	481.1
12°	467.0	467.0	469.8	471.7	473.6
13°	459.5	458.5	461.4	463.3	466.1
14°	450.1	449.1	452.9	455.7	458.5
15°	440.7	440.7	444.4	447.2	450.1
17.5°	415.2	416.2	420.9	424.6	427.5
20°	387.9	390.8	395.5	400.2	403.0
22.5°	361.6	363.4	370.0	375.7	378.5
25°	334.3	338.0	343.7	350.3	353.1
27.5°	307.9	311.7	317.3	323.9	328.6
30°	282.5	285.3	292.8	299.4	302.2
32.5°	257.0	260.8	268.3	274.9	278.7
35°	235.4	238.2	245.7	252.3	256.1
37.5°	213.7	216.6	224.1	229.7	232.6
40°	192.1	196.8	202.4	208.1	210.9
42.5°	174.2	178.0	183.6	188.3	191.1
45°	157.2	160.1	165.7	169.5	171.4
47.5°	141.2	144.1	149.7	151.6	152.5
50°	126.2	129.0	132.8	133.7	134.6
52.5°	112.0	113.9	117.7	117.7	116.8
55°	98.9	101.7	104.5	103.6	101.7
57.5°	86.6	87.6	92.3	90.4	88.5
60°	74.4	76.3	80.0	78.2	76.3
62.5°	62.1	64.0	68.7	66.9	64.0
65°	49.9	53.7	58.4	55.6	52.7
67.5°	37.7	42.4	47.1	44.3	42.4
70°	29.2	33.0	36.7	33.9	32.0
72.5°	22.6	24.5	26.4	24.5	22.6
75°	16.9	17.9	17.9	16.0	15.1
77.5°	12.2	13.2	11.3	9.4	9.4
80°	7.5	8.5	7.5	5.6	5.6
82.5°	3.8	4.7	3.8	3.8	3.8
85°	1.9	1.9	1.9	1.9	1.9
87.5°	0.9	0.9	0.9	0.9	0.9



TEST NUMBER: P1315443

CATALOG NUMBER: P3SQAS13R709740DE010 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)