

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: P1314469

Luminaire Tested: P3SQAS13R709735DE010 E3SQCLDWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314469
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: P3SQAS13R709735DE010 E3SQCLDWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3SQCLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

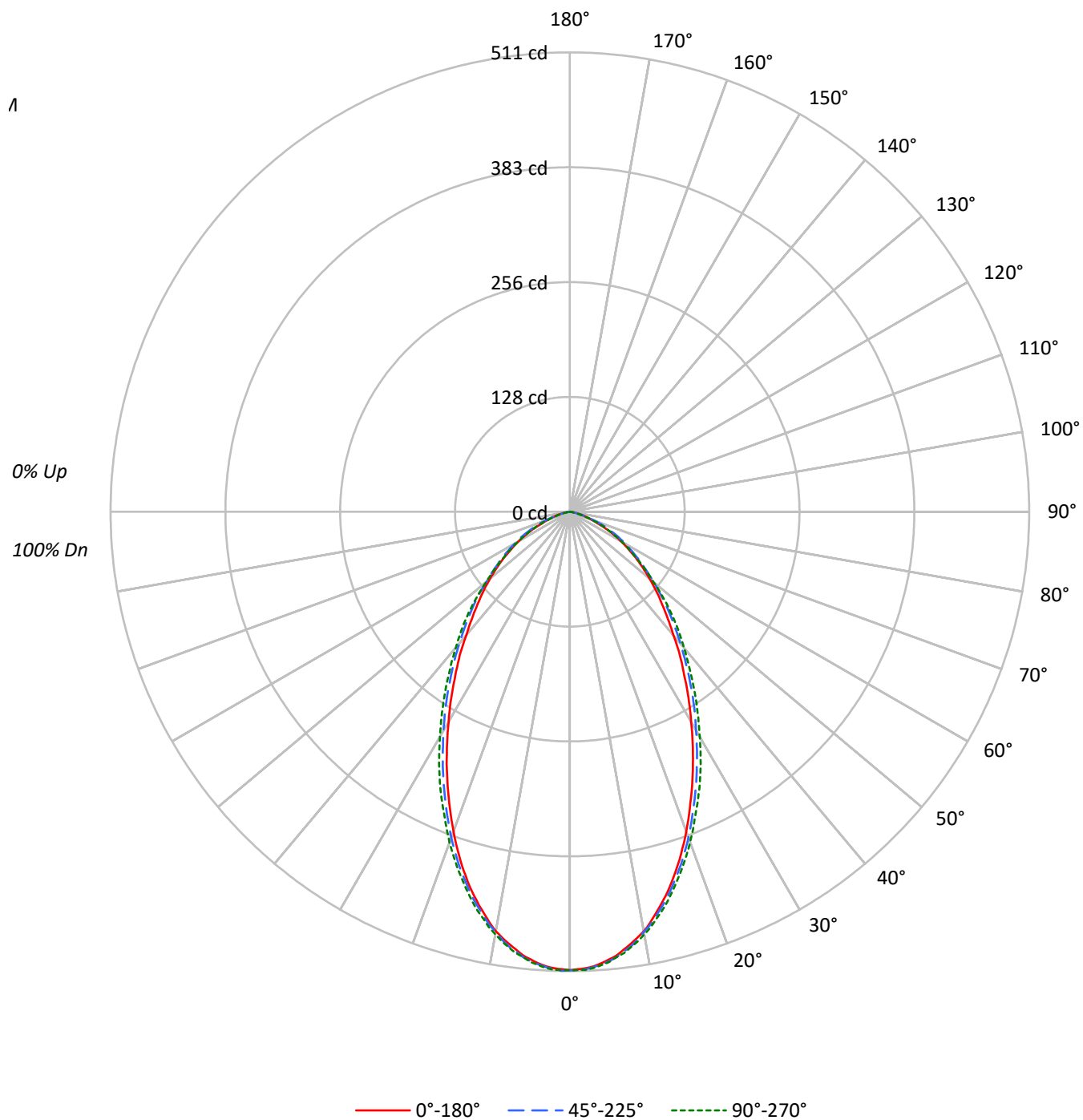
Lumens per Lamp: N/A
Luminaire Lumens: 730.0 lumens
Efficiency: N/A
Efficacy: 50.0 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1314469

CATALOG NUMBER: P3SQAS13R709735DE010 E3SQCLDWW1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1314469

CATALOG NUMBER: P3SQAS13R709735DE010 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°	87816	87816	87816
5°	86440	86751	86907
10°	82840	82998	83470
15°	76864	77506	78166
20°	69388	70708	71716
25°	61436	63165	64723
30°	53674	55841	57452
35°	46653	49134	50648
40°	40310	42963	44380
45°	35292	37727	38823
50°	31053	32527	32527
55°	26933	28285	27474
60°	22768	24318	23078
65°	17727	20294	18460
70°	12790	15056	12790
75°	9649	9050	7253
80°	6248	4463	1785
85°	1778	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 38823 cd/sqm

TEST NUMBER: P1314469

CATALOG NUMBER: P3SQAS13R709735DE010 E3SQCLDWW1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.0	6.4
10°-20°	121.3	16.6
20°-30°	152.3	20.9
30°-40°	145.5	19.9
40°-50°	118.3	16.2
50°-60°	82.8	11.3
60°-70°	46.8	6.4
70°-80°	14.8	2.0
80°-90°	1.1	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°	320.7	43.9
0°-40°	466.2	63.9
0°-60°	667.3	91.4
0°-90°	730.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	730.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	510	510	510	510	510	
5°	500	501	502	501	503	47
15°	431	432	435	436	438	120
25°	323	327	332	338	341	148
35°	222	226	234	238	241	139
45°	145	148	155	158	159	112
55°	90	91	94	92	92	80
65°	44	46	50	47	45	44
75°	14	14	14	12	11	16
85°	1	1	0	0	0	2
90°	0	0	0	0	0	

TEST NUMBER: P1314469

CATALOG NUMBER: P3SQAS13R709735DE010 E3SQCLDWW1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	509.9	509.9	509.9	509.9	509.9
1°	509.0	509.9	510.8	509.0	509.9
2°	508.1	509.0	509.0	508.1	509.9
3°	506.3	507.2	507.2	506.3	508.1
4°	503.6	504.5	504.5	503.6	505.4
5°	500.0	500.9	501.8	500.9	502.7
6°	496.3	497.2	498.1	497.2	498.1
7°	490.9	492.7	492.7	492.7	494.5
8°	485.5	487.3	488.2	487.3	489.1
9°	480.0	480.9	481.8	481.8	483.7
10°	473.7	474.6	474.6	475.5	477.3
11°	466.4	466.4	468.3	468.3	471.0
12°	457.4	458.3	460.1	461.0	462.8
13°	449.2	450.1	452.0	452.9	455.6
14°	440.2	442.0	443.8	444.7	447.4
15°	431.1	432.0	434.7	435.7	438.4
17.5°	405.8	406.7	411.2	413.0	415.7
20°	378.6	381.3	385.8	388.6	391.3
22.5°	350.5	353.2	358.7	363.2	365.0
25°	323.3	327.0	332.4	337.8	340.6
27.5°	296.2	299.8	306.1	311.6	315.2
30°	269.9	273.5	280.8	285.3	288.9
32.5°	245.5	249.1	257.2	261.8	264.5
35°	221.9	225.5	233.7	238.2	240.9
37.5°	201.1	204.7	211.9	216.5	218.3
40°	179.3	183.9	191.1	195.6	197.4
42.5°	161.2	164.8	172.1	175.7	178.4
45°	144.9	148.5	154.9	157.6	159.4
47.5°	130.4	132.2	137.7	138.6	140.4
50°	115.9	117.7	121.4	122.3	121.4
52.5°	102.3	104.2	106.9	106.0	106.0
55°	89.7	90.6	94.2	92.4	91.5
57.5°	77.0	78.8	82.4	79.7	78.8
60°	66.1	67.9	70.6	68.8	67.0
62.5°	55.2	56.2	60.7	57.1	55.2
65°	43.5	46.2	49.8	47.1	45.3
67.5°	32.6	37.1	40.8	37.1	35.3
70°	25.4	27.2	29.9	28.1	25.4
72.5°	19.0	19.9	20.8	19.0	17.2
75°	14.5	14.5	13.6	11.8	10.9
77.5°	10.0	10.0	8.2	5.4	5.4
80°	6.3	6.3	4.5	1.8	1.8
82.5°	2.7	2.7	1.8	0.9	0.9
85°	0.9	0.9	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1314469

CATALOG NUMBER: P3SQAS13R709735DE010 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)