

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: P1314468

Luminaire Tested: P3SQAS13R709735DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314468
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: P3SQAS13R709735DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

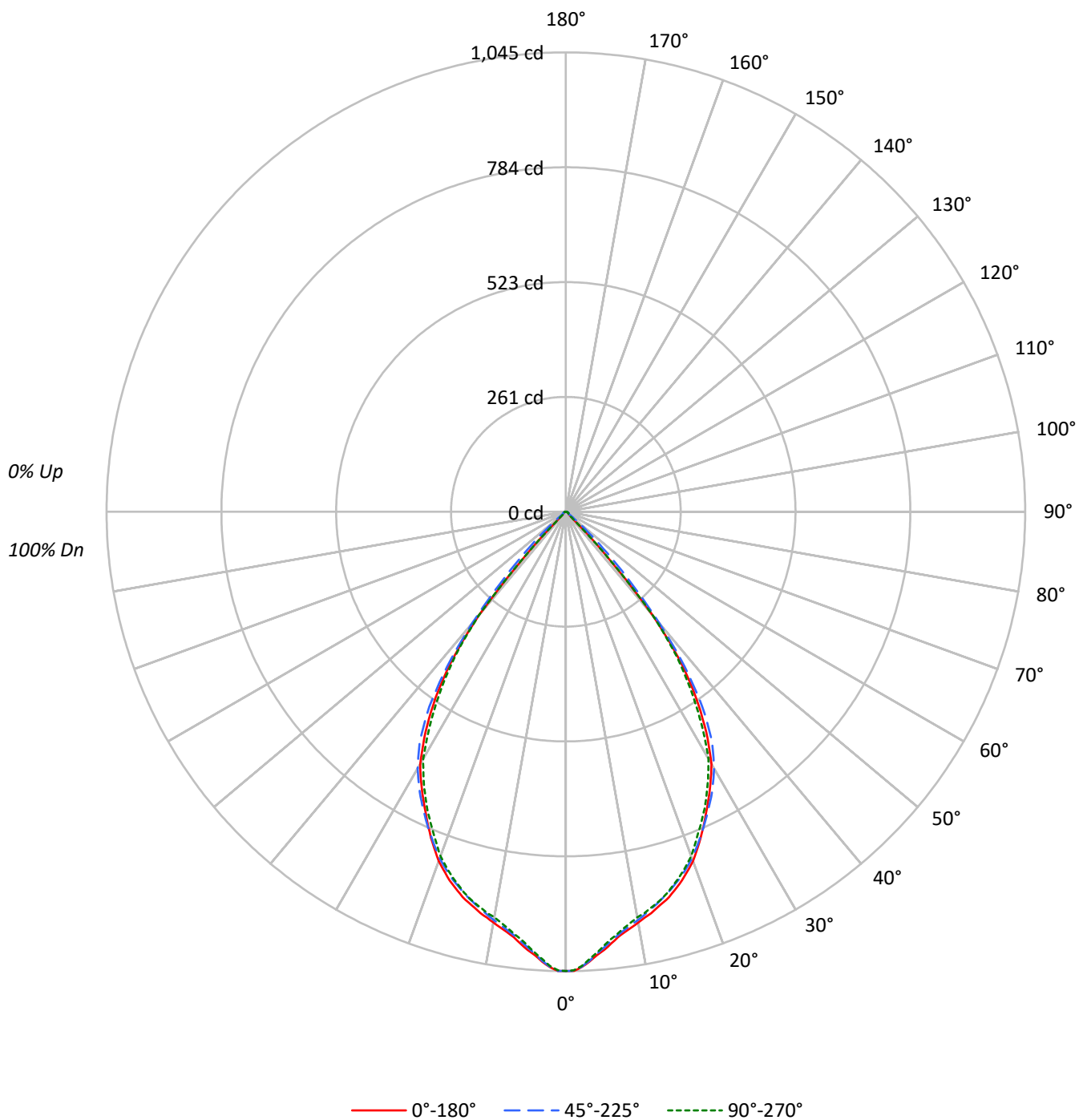
Lumens per Lamp: N/A
Luminaire Lumens: 1113.9 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1314468

CATALOG NUMBER: P3SQAS13R709735DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1314468

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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°	179938	179938	179938
5°	172950	172016	171394
10°	165926	164981	163862
15°	161752	159969	159808
20°	154978	153823	152815
25°	143489	144515	141760
30°	131788	134135	129084
35°	108697	113827	104492
40°	69200	74506	69200
45°	4847	32199	5285
50°	2170	6538	2170
55°	2432	2432	2432
60°	2480	2480	2480
65°	2201	2567	2201
70°	2266	2719	2266
75°	2396	2396	2396
80°	2678	2678	2678
85°	1778	3557	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 32199 cd/sqm

TEST NUMBER: P1314468

CATALOG NUMBER: P3SQAS13R709735DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.2	8.4
10°-20°	252.4	22.7
20°-30°	346.9	31.1
30°-40°	317.8	28.5
40°-50°	84.3	7.6
50°-60°	7.5	0.7
60°-70°	6.1	0.5
70°-80°	4.1	0.4
80°-90°	1.5	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°	692.6	62.2
0°-40°	1010.4	90.7
0°-60°	1102.2	98.9
0°-90°	1113.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1113.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1045	1045	1045	1045	1045	
5°	1000	996	995	993	991	94
15°	907	899	897	897	896	255
25°	755	758	760	751	746	347
35°	517	525	541	517	497	314
45°	20	68	132	69	22	60
55°	8	8	8	8	8	7
65°	5	6	6	6	5	6
75°	4	4	4	4	4	4
85°	1	2	2	2	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1314468

CATALOG NUMBER: P3SQAS13R709735DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1044.8	1044.8	1044.8	1044.8	1044.8
1°	1044.8	1043.0	1044.8	1044.8	1043.0
2°	1036.6	1034.8	1035.7	1034.8	1033.9
3°	1024.9	1022.1	1023.0	1021.2	1019.4
4°	1011.3	1008.6	1008.6	1007.7	1005.8
5°	1000.4	995.9	995.0	993.2	991.4
6°	987.7	983.2	982.3	979.6	977.8
7°	975.1	971.4	970.5	966.9	966.9
8°	965.1	960.6	960.6	956.0	956.0
9°	957.0	951.5	951.5	947.9	946.1
10°	948.8	943.4	943.4	938.8	937.0
11°	940.7	936.1	934.3	931.6	930.7
12°	933.4	927.1	925.3	924.4	922.6
13°	924.4	918.0	916.2	915.3	914.4
14°	916.2	908.1	907.2	905.4	906.3
15°	907.2	899.0	897.2	897.2	896.3
17.5°	879.1	873.7	870.9	869.1	867.3
20°	845.6	841.1	839.3	835.6	833.8
22.5°	802.1	801.2	800.3	795.8	788.6
25°	755.1	757.8	760.5	751.4	746.0
27.5°	709.8	717.0	719.8	710.7	698.9
30°	662.7	669.1	674.5	661.8	649.1
32.5°	594.8	610.2	618.4	603.9	574.9
35°	517.0	525.1	541.4	517.0	497.0
37.5°	426.4	430.9	443.6	427.3	413.7
40°	307.8	321.4	331.4	321.4	307.8
42.5°	138.5	193.7	219.1	204.6	144.9
45°	19.9	67.9	132.2	68.8	21.7
47.5°	8.1	10.9	68.8	10.0	8.1
50°	8.1	8.1	24.4	8.1	8.1
52.5°	8.1	8.1	9.1	8.1	8.1
55°	8.1	8.1	8.1	8.1	8.1
57.5°	7.2	7.2	8.1	7.2	7.2
60°	7.2	7.2	7.2	7.2	7.2
62.5°	6.3	7.2	7.2	7.2	6.3
65°	5.4	6.3	6.3	6.3	5.4
67.5°	5.4	5.4	5.4	5.4	5.4
70°	4.5	5.4	5.4	5.4	4.5
72.5°	4.5	4.5	4.5	4.5	4.5
75°	3.6	3.6	3.6	3.6	3.6
77.5°	2.7	3.6	3.6	3.6	2.7
80°	2.7	2.7	2.7	2.7	2.7
82.5°	1.8	1.8	1.8	1.8	1.8
85°	0.9	1.8	1.8	1.8	0.9
87.5°	0.9	0.9	0.9	0.9	0.9



TEST NUMBER: P1314468

CATALOG NUMBER: P3SQAS13R709735DE010 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)