

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: P1312524

Luminaire Tested: P3SQAS13R709727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312524
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: P3SQAS13R709727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

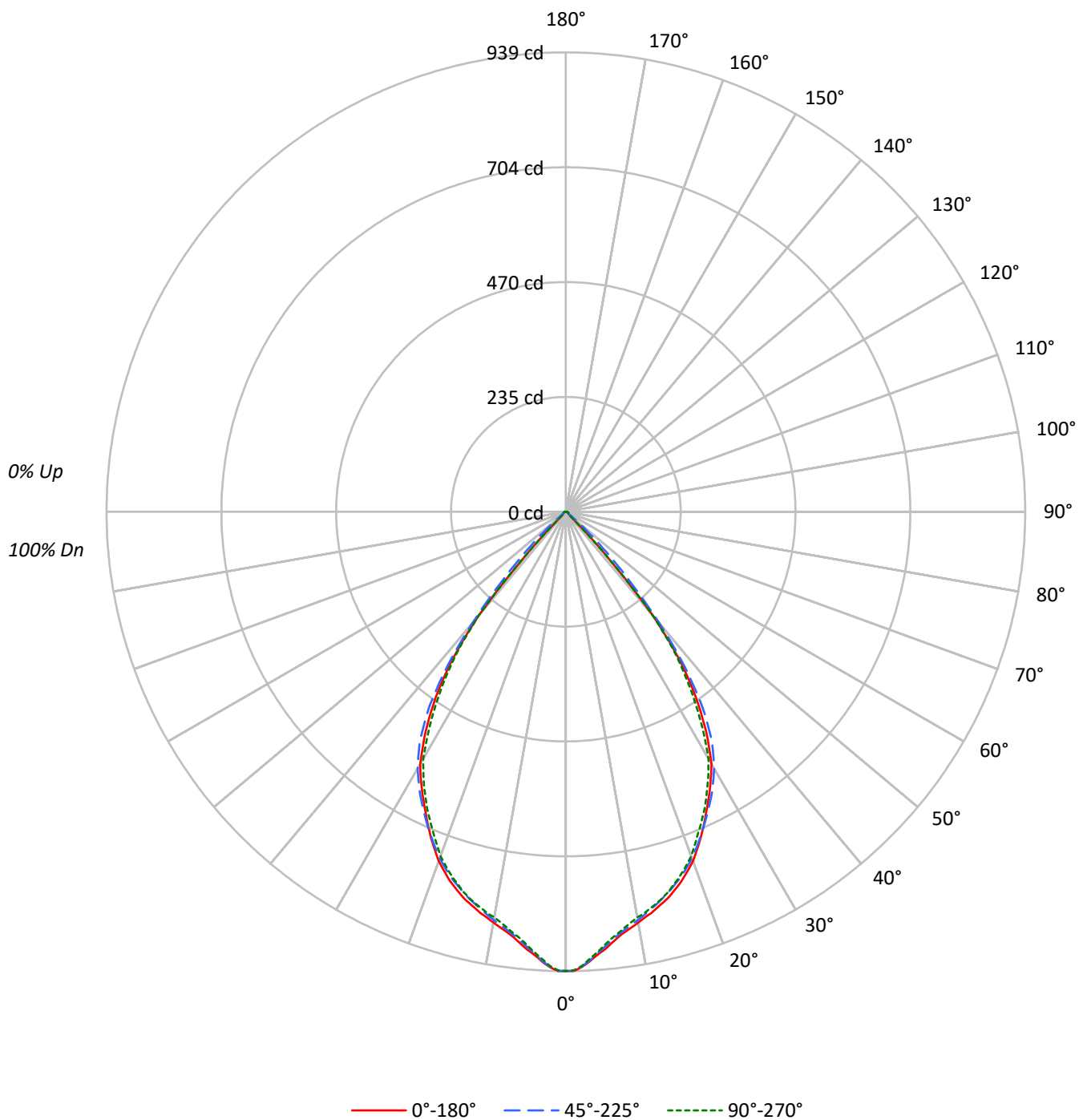
Lumens per Lamp: N/A
Luminaire Lumens: 1001.0 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1312524

CATALOG NUMBER: P3SQAS13R709727DE010 E3SQCD1MW

Luminous Intensity Polar Plot



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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°	161683	161683	161683
5°	155402	154572	154002
10°	149102	148245	147248
15°	145331	143744	143601
20°	139253	138208	137310
25°	128933	129864	127375
30°	118424	120532	115998
35°	97659	102284	93895
40°	62185	66929	62185
45°	4360	28935	4749
50°	1956	5894	1956
55°	2192	2192	2192
60°	2239	2239	2239
65°	1997	2323	1997
70°	2065	2467	2065
75°	2196	2196	2196
80°	2380	2380	2380
85°	1581	3162	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 28935 cd/sqm

TEST NUMBER: P1312524

CATALOG NUMBER: P3SQAS13R709727DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.8	8.4
10°-20°	226.8	22.7
20°-30°	311.7	31.1
30°-40°	285.5	28.5
40°-50°	75.8	7.6
50°-60°	6.8	0.7
60°-70°	5.5	0.6
70°-80°	3.7	0.4
80°-90°	1.4	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°	622.3	62.2
0°-40°	907.9	90.7
0°-60°	990.4	98.9
0°-90°	1001.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1001.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	939	939	939	939	939	
5°	899	895	894	892	891	84
15°	815	808	806	806	805	229
25°	678	681	683	675	670	312
35°	464	472	486	464	447	282
45°	18	61	119	62	20	54
55°	7	7	7	7	7	6
65°	5	6	6	6	5	5
75°	3	3	3	3	3	3
85°	1	2	2	2	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1312524

CATALOG NUMBER: P3SQAS13R709727DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	938.8	938.8	938.8	938.8	938.8
1°	938.8	937.2	938.8	938.8	937.2
2°	931.5	929.8	930.7	929.8	929.0
3°	920.9	918.5	919.3	917.6	916.0
4°	908.7	906.3	906.3	905.4	903.8
5°	898.9	894.9	894.1	892.4	890.8
6°	887.5	883.5	882.7	880.2	878.6
7°	876.2	872.9	872.1	868.8	868.8
8°	867.2	863.1	863.1	859.1	859.1
9°	859.9	855.0	855.0	851.8	850.1
10°	852.6	847.7	847.7	843.6	842.0
11°	845.2	841.2	839.5	837.1	836.3
12°	838.7	833.0	831.4	830.6	829.0
13°	830.6	824.9	823.3	822.5	821.7
14°	823.3	816.0	815.1	813.5	814.3
15°	815.1	807.8	806.2	806.2	805.4
17.5°	789.9	785.0	782.6	781.0	779.3
20°	759.8	755.8	754.1	750.9	749.2
22.5°	720.8	720.0	719.1	715.1	708.6
25°	678.5	680.9	683.4	675.2	670.3
27.5°	637.8	644.3	646.7	638.6	628.0
30°	595.5	601.2	606.1	594.7	583.3
32.5°	534.5	548.3	555.6	542.6	516.6
35°	464.5	471.8	486.5	464.5	446.6
37.5°	383.2	387.2	398.6	384.0	371.8
40°	276.6	288.8	297.7	288.8	276.6
42.5°	124.5	174.1	196.9	183.9	130.2
45°	17.9	61.0	118.8	61.8	19.5
47.5°	7.3	9.8	61.8	8.9	7.3
50°	7.3	7.3	22.0	7.3	7.3
52.5°	7.3	7.3	8.1	7.3	7.3
55°	7.3	7.3	7.3	7.3	7.3
57.5°	6.5	6.5	7.3	6.5	6.5
60°	6.5	6.5	6.5	6.5	6.5
62.5°	5.7	6.5	6.5	6.5	5.7
65°	4.9	5.7	5.7	5.7	4.9
67.5°	4.9	4.9	4.9	4.9	4.9
70°	4.1	4.9	4.9	4.9	4.1
72.5°	4.1	4.1	4.1	4.1	4.1
75°	3.3	3.3	3.3	3.3	3.3
77.5°	2.4	3.3	3.3	3.3	2.4
80°	2.4	2.4	2.4	2.4	2.4
82.5°	1.6	1.6	1.6	1.6	1.6
85°	0.8	1.6	1.6	1.6	0.8
87.5°	0.8	0.8	0.8	0.8	0.8



TEST NUMBER: P1312524

CATALOG NUMBER: P3SQAS13R709727DE010 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)