

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: P1305509

Luminaire Tested: P3SQAS02R709024DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305509
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R709024DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

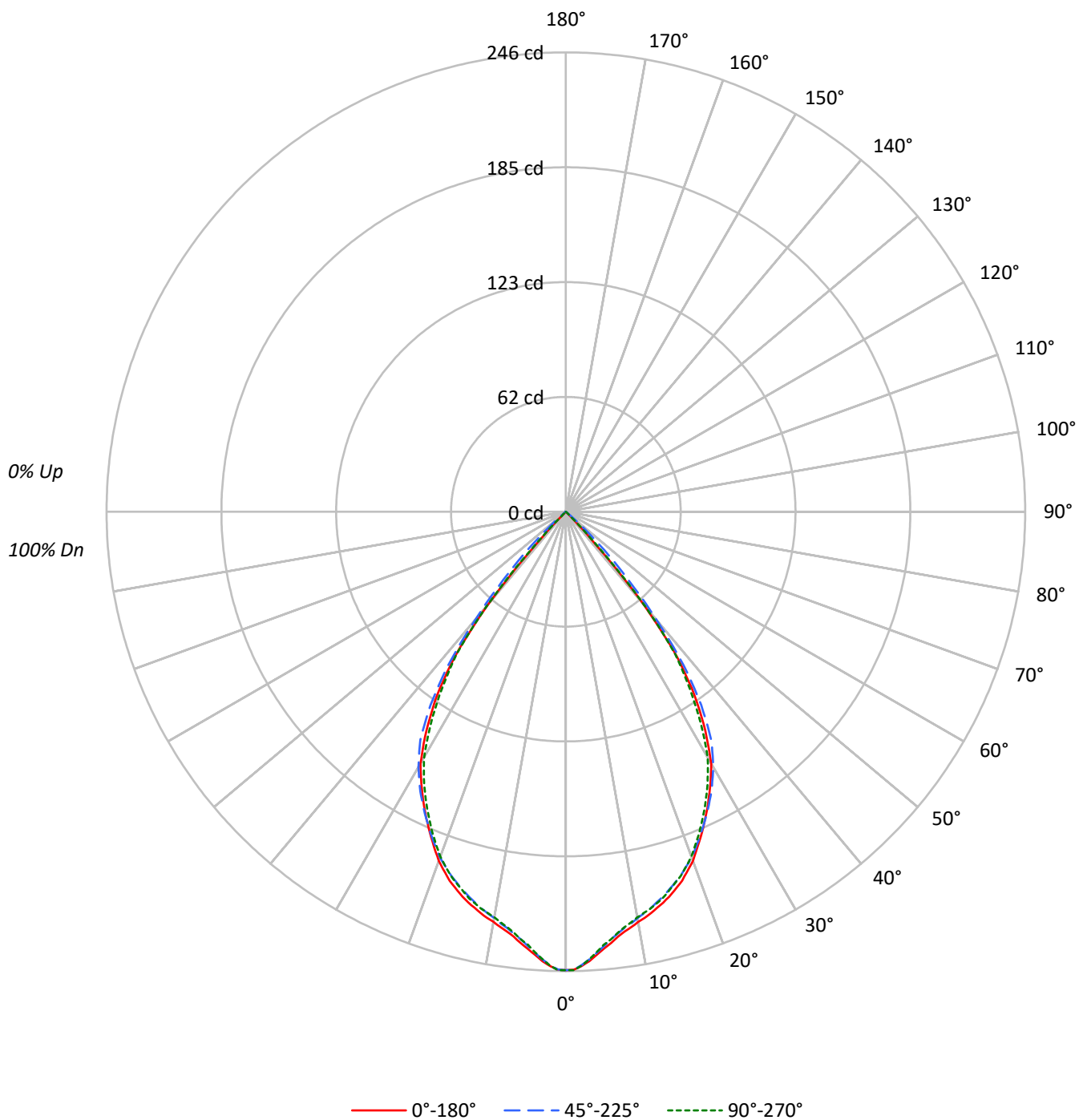
Lumens per Lamp: N/A
Luminaire Lumens: 254.0 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1305509

CATALOG NUMBER: P3SQAS02R709024DE010 E3SQCD1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1305509

CATALOG NUMBER: P3SQAS02R709024DE010 E3SQCD1MMS

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	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	98	95	105	101	97	94	98	95	92		95	92	90		92
3	102	95	90	86	100	94	89	85	91	87	84		89	86	83		87
4	96	89	83	79	95	88	82	78	85	81	77		83	79	76		81
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77
6	86	77	71	67	85	76	71	66	75	70	66		73	69	65		72
7	82	72	66	62	80	71	66	61	70	65	61		69	64	61		68
8	78	68	61	57	76	67	61	57	66	61	57		65	60	57		64
9	74	63	57	53	72	63	57	53	62	57	53		61	56	53		60
10	70	60	54	50	69	59	53	50	58	53	49		58	53	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	42281	42281	42281
5°	40592	40368	40247
10°	38998	38648	38578
15°	38067	37532	37603
20°	36453	36105	36014
25°	33844	33920	33388
30°	30963	31401	30208
35°	25335	26554	24346
40°	14591	16996	14973
45°	219	7063	731
50°	0	750	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 7063 cd/sqm

TEST NUMBER: P1305509

CATALOG NUMBER: P3SQAS02R709024DE010 E3SQCD1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.9	8.6
10°-20°	59.4	23.4
20°-30°	81.5	32.1
30°-40°	73.9	29.1
40°-50°	17.2	6.8
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	162.8	64.1
0°-40°	236.7	93.2
0°-60°	254.0	100.0
0°-90°	254.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	254.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	246	246	246	246	246	
5°	235	234	234	233	233	22
15°	214	212	210	210	211	60
25°	178	179	178	177	176	82
35°	120	122	126	121	116	72
45°	1	10	29	12	3	10
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1305509

CATALOG NUMBER: P3SQAS02R709024DE010 E3SQCD1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	245.5	245.5	245.5	245.5	245.5
1°	245.3	244.9	245.1	245.3	245.5
2°	243.4	242.9	242.9	243.2	243.2
3°	241.0	240.1	240.1	239.9	239.9
4°	237.8	237.1	236.7	236.5	236.5
5°	234.8	234.1	233.5	233.1	232.8
6°	232.2	231.1	230.3	230.0	230.3
7°	229.2	228.5	227.7	227.0	227.3
8°	227.0	226.2	225.1	224.7	224.7
9°	225.1	224.2	223.2	222.3	222.7
10°	223.0	222.1	221.0	220.4	220.6
11°	221.5	220.4	219.1	218.7	218.9
12°	219.7	218.4	217.2	216.9	217.4
13°	217.6	216.3	215.0	215.0	215.4
14°	215.7	214.2	212.9	212.9	213.5
15°	213.5	212.0	210.5	210.5	210.9
17.5°	207.1	205.8	204.3	204.3	204.5
20°	198.9	198.3	197.0	196.3	196.5
22.5°	188.6	188.6	187.9	186.9	186.4
25°	178.1	178.9	178.5	176.8	175.7
27.5°	167.1	168.6	168.8	166.3	164.3
30°	155.7	157.0	157.9	154.9	151.9
32.5°	139.0	142.8	145.0	140.9	134.7
35°	120.5	122.2	126.3	120.9	115.8
37.5°	97.9	100.1	103.5	99.2	96.2
40°	64.9	73.5	75.6	73.5	66.6
42.5°	23.4	41.2	49.6	42.1	27.5
45°	0.9	9.7	29.0	12.5	3.0
47.5°	0.0	0.2	13.1	0.4	0.0
50°	0.0	0.0	2.8	0.0	0.0
52.5°	0.0	0.0	0.2	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1305509

CATALOG NUMBER: P3SQAS02R709024DE010 E3SQCD1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)