

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: P1312201

Luminaire Tested: P3SQAS05R709727DE010 E3SQCLDWW1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312201
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: P3SQAS05R709727DE010 E3SQCLDWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3SQCLDWW1MMS TR
Light Source: -
Ballast/Driver: -

Summary

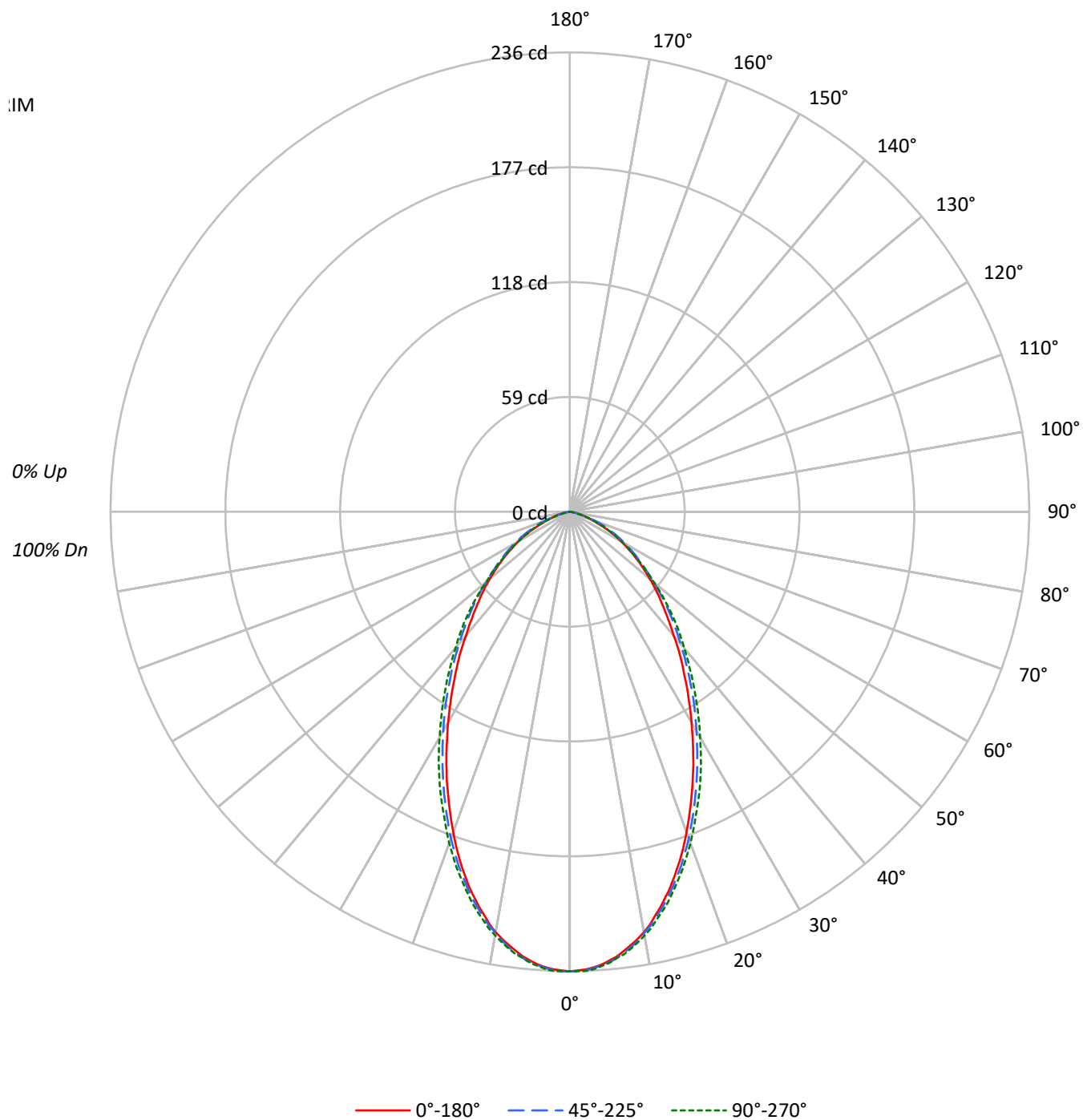
Lumens per Lamp: N/A
Luminaire Lumens: 338.0 lumens
Efficiency: N/A
Efficacy: 46.9 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1312201

CATALOG NUMBER: P3SQAS05R709727DE010 E3SQCLDWW1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1312201

CATALOG NUMBER: P3SQAS05R709727DE010 E3SQCLDWW1MMS

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°	40662	40662	40662
5°	40022	40160	40229
10°	38351	38421	38648
15°	35588	35891	36194
20°	32128	32733	33210
25°	28447	29245	29967
30°	24858	25853	26608
35°	21592	22749	23463
40°	18660	19897	20549
45°	16343	17463	17975
50°	14388	15058	15058
55°	12461	13091	12731
60°	10540	11263	10678
65°	8191	9414	8558
70°	5891	6949	5891
75°	4458	4192	3327
80°	2876	2083	793
85°	790	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 17975 cd/sqm

TEST NUMBER: P1312201

CATALOG NUMBER: P3SQAS05R709727DE010 E3SQCLDWW1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.8	6.4
10°-20°	56.2	16.6
20°-30°	70.5	20.9
30°-40°	67.4	19.9
40°-50°	54.8	16.2
50°-60°	38.3	11.3
60°-70°	21.7	6.4
70°-80°	6.8	2.0
80°-90°	0.5	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°	148.5	43.9
0°-40°	215.8	63.9
0°-60°	309.0	91.4
0°-90°	338.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	338.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	236	236	236	236	236	
5°	232	232	232	232	233	22
15°	200	200	201	202	203	56
25°	150	151	154	156	158	69
35°	103	104	108	110	112	64
45°	67	69	72	73	74	52
55°	42	42	44	43	42	37
65°	20	21	23	22	21	20
75°	7	7	6	6	5	7
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

TEST NUMBER: P1312201

CATALOG NUMBER: P3SQAS05R709727DE010 E3SQCLDWW1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	236.1	236.1	236.1	236.1	236.1
1°	235.7	236.1	236.5	235.7	236.1
2°	235.3	235.7	235.7	235.3	236.1
3°	234.4	234.8	234.8	234.4	235.3
4°	233.2	233.6	233.6	233.2	234.0
5°	231.5	231.9	232.3	231.9	232.7
6°	229.8	230.2	230.6	230.2	230.6
7°	227.3	228.1	228.1	228.1	229.0
8°	224.8	225.6	226.0	225.6	226.5
9°	222.3	222.7	223.1	223.1	223.9
10°	219.3	219.7	219.7	220.2	221.0
11°	216.0	216.0	216.8	216.8	218.1
12°	211.8	212.2	213.0	213.5	214.3
13°	208.0	208.4	209.3	209.7	210.9
14°	203.8	204.6	205.5	205.9	207.2
15°	199.6	200.0	201.3	201.7	203.0
17.5°	187.9	188.3	190.4	191.2	192.5
20°	175.3	176.6	178.6	179.9	181.2
22.5°	162.3	163.6	166.1	168.2	169.0
25°	149.7	151.4	153.9	156.4	157.7
27.5°	137.1	138.8	141.7	144.3	145.9
30°	125.0	126.6	130.0	132.1	133.8
32.5°	113.6	115.3	119.1	121.2	122.5
35°	102.7	104.4	108.2	110.3	111.6
37.5°	93.1	94.8	98.1	100.2	101.1
40°	83.0	85.1	88.5	90.6	91.4
42.5°	74.6	76.3	79.7	81.4	82.6
45°	67.1	68.8	71.7	73.0	73.8
47.5°	60.4	61.2	63.7	64.2	65.0
50°	53.7	54.5	56.2	56.6	56.2
52.5°	47.4	48.2	49.5	49.1	49.1
55°	41.5	41.9	43.6	42.8	42.4
57.5°	35.6	36.5	38.2	36.9	36.5
60°	30.6	31.5	32.7	31.9	31.0
62.5°	25.6	26.0	28.1	26.4	25.6
65°	20.1	21.4	23.1	21.8	21.0
67.5°	15.1	17.2	18.9	17.2	16.4
70°	11.7	12.6	13.8	13.0	11.7
72.5°	8.8	9.2	9.6	8.8	8.0
75°	6.7	6.7	6.3	5.5	5.0
77.5°	4.6	4.6	3.8	2.5	2.5
80°	2.9	2.9	2.1	0.8	0.8
82.5°	1.3	1.3	0.8	0.4	0.4
85°	0.4	0.4	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1312201
CATALOG NUMBER: P3SQAS05R709727DE010 E3SQCLDWW1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)