

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: P1306652

Luminaire Tested: P3SQAS05R709027DE010 E3SQCLDWW1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306652
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: P3SQAS05R709027DE010 E3SQCLDWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3SQCLDWW1MMS TR
Light Source: -
Ballast/Driver: -

Summary

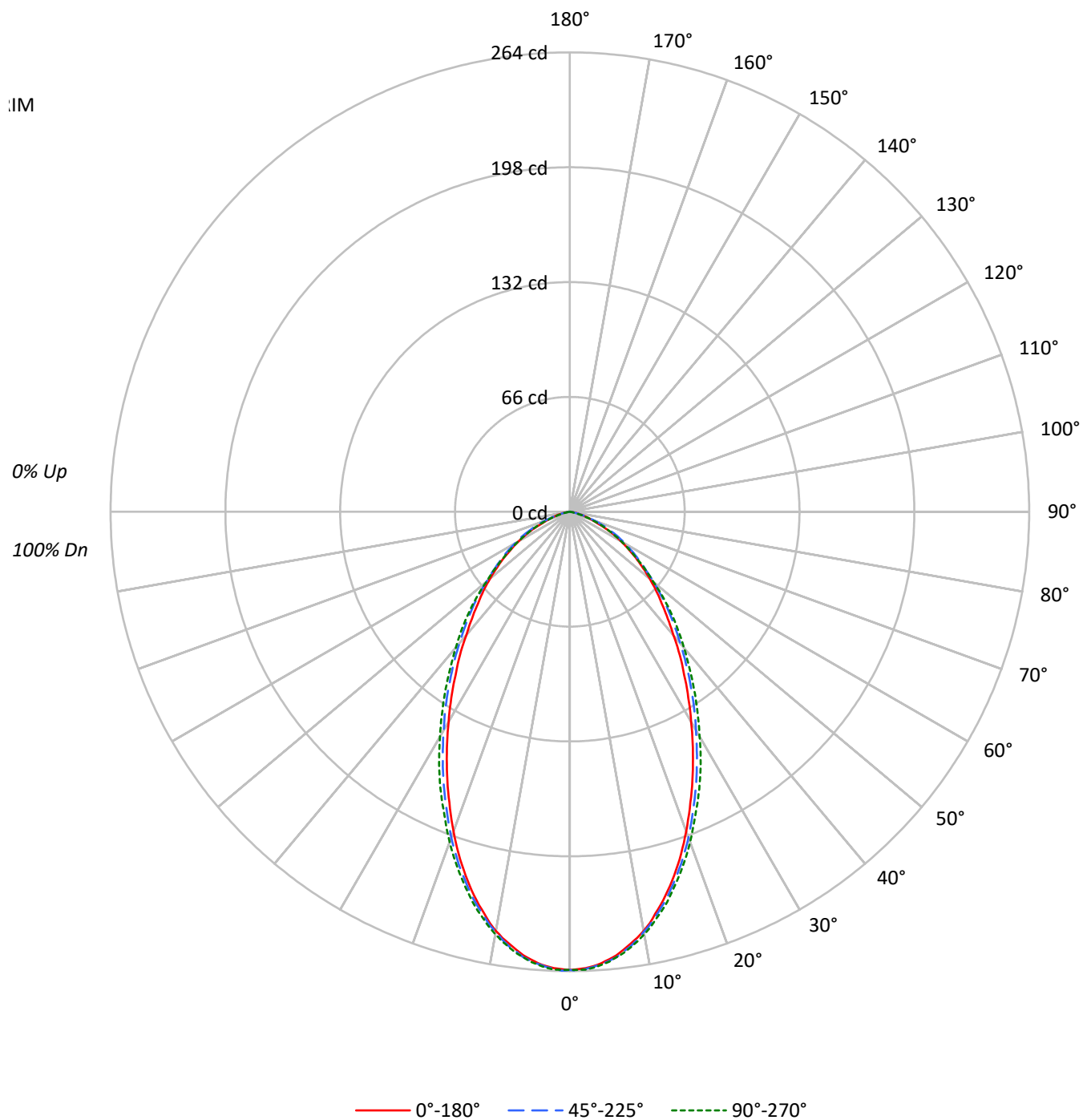
Lumens per Lamp: N/A
Luminaire Lumens: 377.0 lumens
Efficiency: N/A
Efficacy: 52.4 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1306652

CATALOG NUMBER: P3SQAS05R709027DE010 E3SQCLDWW1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1306652

CATALOG NUMBER: P3SQAS05R709027DE010 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°	45346	45346	45346
5°	44638	44793	44880
10°	42776	42863	43108
15°	39689	40028	40367
20°	35830	36527	37040
25°	31734	32628	33426
30°	27722	28836	29671
35°	24094	25377	26154
40°	20818	22190	22932
45°	18218	19485	20045
50°	16049	16799	16799
55°	13902	14593	14172
60°	11746	12572	11918
65°	9169	10473	9536
70°	6596	7755	6596
75°	4991	4658	3726
80°	3273	2281	893
85°	988	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 20045 cd/sqm

TEST NUMBER: P1306652

CATALOG NUMBER: P3SQAS05R709027DE010 E3SQCLDWW1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.3	6.4
10°-20°	62.7	16.6
20°-30°	78.7	20.9
30°-40°	75.1	19.9
40°-50°	61.1	16.2
50°-60°	42.8	11.3
60°-70°	24.1	6.4
70°-80°	7.6	2.0
80°-90°	0.6	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°	165.6	43.9
0°-40°	240.8	63.9
0°-60°	344.6	91.4
0°-90°	377.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	377.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	263	263	263	263	263	
5°	258	259	259	259	260	24
15°	223	223	224	225	226	62
25°	167	169	172	174	176	77
35°	115	116	121	123	124	72
45°	75	77	80	81	82	58
55°	46	47	49	48	47	41
65°	22	24	26	24	23	23
75°	8	8	7	6	6	8
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

TEST NUMBER: P1306652

CATALOG NUMBER: P3SQAS05R709027DE010 E3SQCLDWW1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	263.3	263.3	263.3	263.3	263.3
1°	262.9	263.3	263.8	262.9	263.3
2°	262.4	262.9	262.9	262.4	263.3
3°	261.5	261.9	261.9	261.5	262.4
4°	260.1	260.5	260.5	260.1	261.0
5°	258.2	258.7	259.1	258.7	259.6
6°	256.3	256.8	257.3	256.8	257.3
7°	253.5	254.5	254.5	254.5	255.4
8°	250.7	251.6	252.1	251.6	252.6
9°	247.9	248.4	248.8	248.8	249.8
10°	244.6	245.1	245.1	245.6	246.5
11°	240.9	240.9	241.8	241.8	243.2
12°	236.2	236.7	237.6	238.1	239.0
13°	232.0	232.5	233.4	233.9	235.3
14°	227.3	228.3	229.2	229.7	231.1
15°	222.6	223.1	224.5	225.0	226.4
17.5°	209.6	210.0	212.4	213.3	214.7
20°	195.5	196.9	199.3	200.7	202.1
22.5°	181.0	182.4	185.2	187.6	188.5
25°	167.0	168.9	171.7	174.5	175.9
27.5°	153.0	154.8	158.1	160.9	162.8
30°	139.4	141.3	145.0	147.3	149.2
32.5°	126.8	128.6	132.8	135.2	136.6
35°	114.6	116.5	120.7	123.0	124.4
37.5°	103.8	105.7	109.5	111.8	112.7
40°	92.6	95.0	98.7	101.0	102.0
42.5°	83.3	85.1	88.9	90.7	92.1
45°	74.8	76.7	80.0	81.4	82.3
47.5°	67.4	68.3	71.1	71.6	72.5
50°	59.9	60.8	62.7	63.1	62.7
52.5°	52.9	53.8	55.2	54.7	54.7
55°	46.3	46.8	48.6	47.7	47.2
57.5°	39.8	40.7	42.6	41.2	40.7
60°	34.1	35.1	36.5	35.5	34.6
62.5°	28.5	29.0	31.3	29.5	28.5
65°	22.5	23.9	25.7	24.3	23.4
67.5°	16.8	19.2	21.0	19.2	18.2
70°	13.1	14.0	15.4	14.5	13.1
72.5°	9.8	10.3	10.8	9.8	8.9
75°	7.5	7.5	7.0	6.1	5.6
77.5°	5.1	5.1	4.2	2.8	2.8
80°	3.3	3.3	2.3	0.9	0.9
82.5°	1.4	1.4	0.9	0.5	0.5
85°	0.5	0.5	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1306652

CATALOG NUMBER: P3SQAS05R709027DE010 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)