

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: P1310937

Luminaire Tested: P3SQAS02R709050DE010 E3SQCLDWW1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310937
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: P3SQAS02R709050DE010 E3SQCLDWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3SQCLDWW1MMS TR
Light Source: -
Ballast/Driver: -

Summary

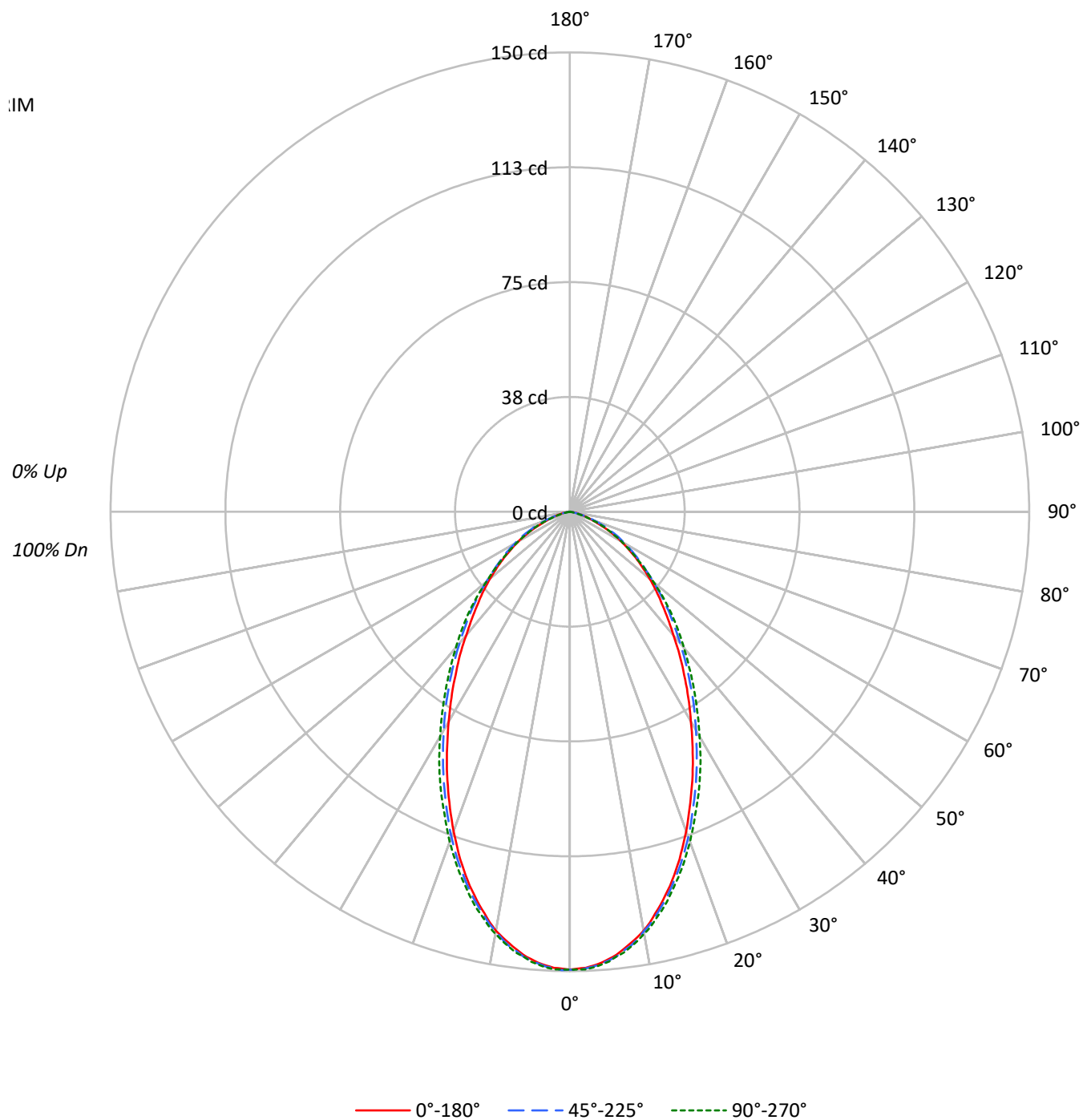
Lumens per Lamp: N/A
Luminaire Lumens: 214.0 lumens
Efficiency: N/A
Efficacy: 59.4 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 0.99
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1310937

CATALOG NUMBER: P3SQAS02R709050DE010 E3SQCLDWW1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1310937

CATALOG NUMBER: P3SQAS02R709050DE010 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°	25747	25747	25747
5°	25344	25431	25483
10°	24291	24326	24466
15°	22537	22715	22911
20°	20344	20728	21022
25°	18015	18509	18965
30°	15730	16367	16844
35°	13687	14402	14843
40°	11826	12590	13017
45°	10351	11058	11374
50°	9110	9538	9538
55°	7897	8287	8047
60°	6682	7130	6751
65°	5175	5950	5420
70°	3726	4431	3726
75°	2795	2662	2129
80°	1884	1289	496
85°	593	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 11374 cd/sqm

TEST NUMBER: P1310937

CATALOG NUMBER: P3SQAS02R709050DE010 E3SQCLDWW1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	6.4
10°-20°	35.6	16.6
20°-30°	44.7	20.9
30°-40°	42.6	19.9
40°-50°	34.7	16.2
50°-60°	24.3	11.3
60°-70°	13.7	6.4
70°-80°	4.3	2.0
80°-90°	0.3	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°	94.0	43.9
0°-40°	136.7	63.9
0°-60°	195.6	91.4
0°-90°	214.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	214.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	150	150	150	150	150	
5°	147	147	147	147	147	14
15°	126	127	127	128	128	35
25°	95	96	97	99	100	43
35°	65	66	68	70	71	41
45°	42	44	45	46	47	33
55°	26	27	28	27	27	24
65°	13	14	15	14	13	13
75°	4	4	4	4	3	5
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

TEST NUMBER: P1310937

CATALOG NUMBER: P3SQAS02R709050DE010 E3SQCLDWW1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	149.5	149.5	149.5	149.5	149.5
1°	149.2	149.5	149.7	149.2	149.5
2°	149.0	149.2	149.2	149.0	149.5
3°	148.4	148.7	148.7	148.4	149.0
4°	147.6	147.9	147.9	147.6	148.2
5°	146.6	146.8	147.1	146.8	147.4
6°	145.5	145.8	146.0	145.8	146.0
7°	143.9	144.4	144.4	144.4	145.0
8°	142.3	142.8	143.1	142.8	143.4
9°	140.7	141.0	141.3	141.3	141.8
10°	138.9	139.1	139.1	139.4	139.9
11°	136.7	136.7	137.3	137.3	138.1
12°	134.1	134.3	134.9	135.1	135.7
13°	131.7	132.0	132.5	132.8	133.6
14°	129.0	129.6	130.1	130.4	131.2
15°	126.4	126.7	127.4	127.7	128.5
17.5°	119.0	119.2	120.5	121.1	121.9
20°	111.0	111.8	113.1	113.9	114.7
22.5°	102.8	103.6	105.1	106.5	107.0
25°	94.8	95.9	97.4	99.0	99.8
27.5°	86.8	87.9	89.7	91.3	92.4
30°	79.1	80.2	82.3	83.6	84.7
32.5°	72.0	73.0	75.4	76.7	77.5
35°	65.1	66.1	68.5	69.8	70.6
37.5°	58.9	60.0	62.1	63.5	64.0
40°	52.6	53.9	56.0	57.4	57.9
42.5°	47.3	48.3	50.4	51.5	52.3
45°	42.5	43.5	45.4	46.2	46.7
47.5°	38.2	38.8	40.4	40.6	41.2
50°	34.0	34.5	35.6	35.8	35.6
52.5°	30.0	30.5	31.3	31.1	31.1
55°	26.3	26.6	27.6	27.1	26.8
57.5°	22.6	23.1	24.2	23.4	23.1
60°	19.4	19.9	20.7	20.2	19.6
62.5°	16.2	16.5	17.8	16.7	16.2
65°	12.7	13.5	14.6	13.8	13.3
67.5°	9.6	10.9	11.9	10.9	10.4
70°	7.4	8.0	8.8	8.2	7.4
72.5°	5.6	5.8	6.1	5.6	5.0
75°	4.2	4.2	4.0	3.5	3.2
77.5°	2.9	2.9	2.4	1.6	1.6
80°	1.9	1.9	1.3	0.5	0.5
82.5°	0.8	0.8	0.5	0.3	0.3
85°	0.3	0.3	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1310937

CATALOG NUMBER: P3SQAS02R709050DE010 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)