

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: P1317059

Luminaire Tested: P3SQAS09R709830DE010 E3SQCLDWW1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317059
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: P3SQAS09R709830DE010 E3SQCLDWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3SQCLDWW1MMS TR
Light Source: -
Ballast/Driver: -

Summary

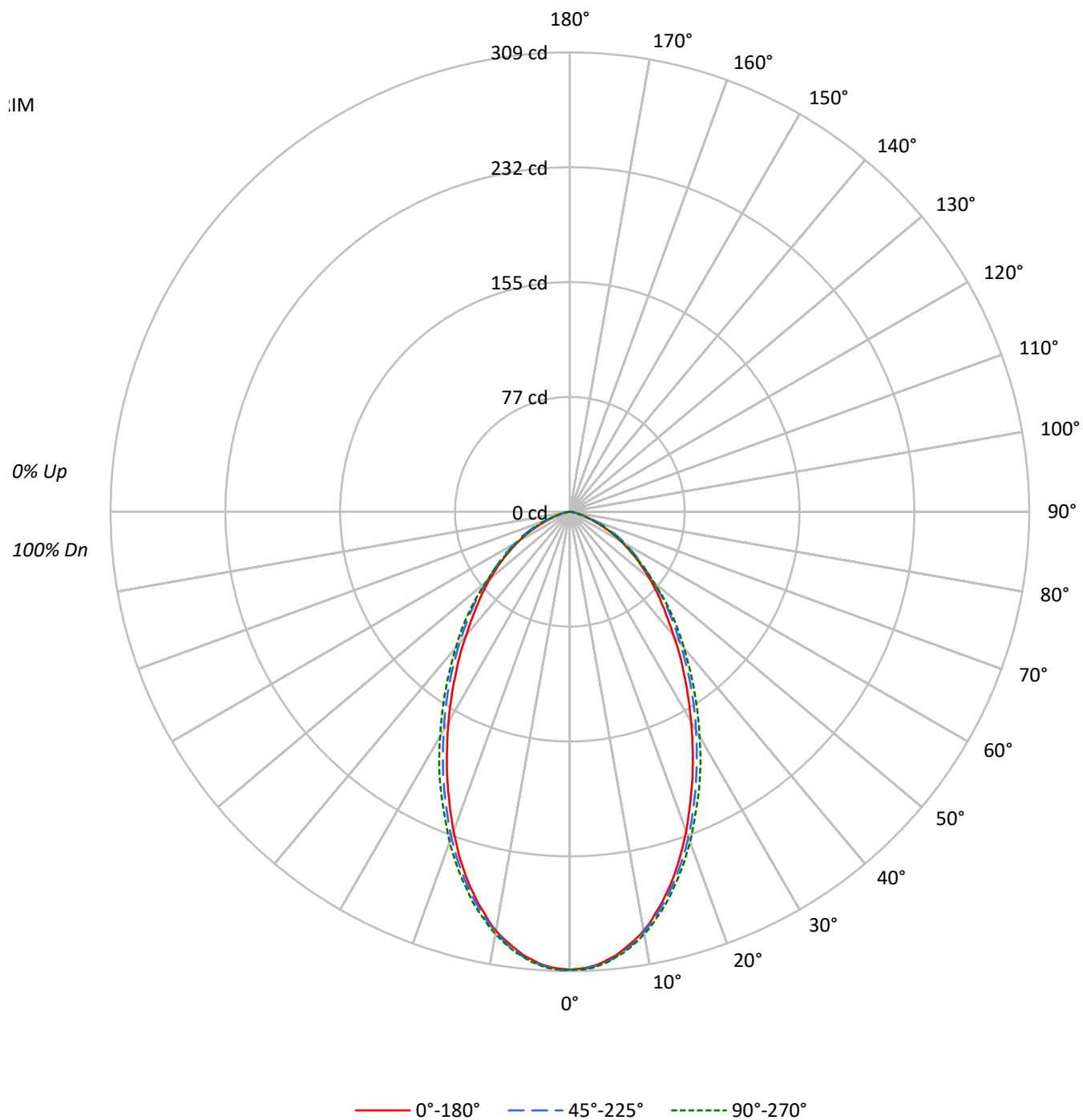
Lumens per Lamp: N/A
Luminaire Lumens: 441.0 lumens
Efficiency: N/A
Efficacy: 40.1 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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: P1317059

CATALOG NUMBER: P3SQAS09R709830DE010 E3SQCLDWW1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1317059

CATALOG NUMBER: P3SQAS09R709830DE010 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°	53045	53045	53045
5°	52210	52400	52504
10°	50050	50138	50435
15°	46429	46821	47213
20°	41915	42722	43326
25°	37112	38157	39088
30°	32435	33728	34702
35°	28194	29687	30591
40°	24348	25967	26821
45°	21311	22797	23455
50°	18755	19639	19639
55°	16274	17085	16604
60°	13743	14708	13950
65°	10718	12266	11166
70°	7704	9114	7704
75°	5856	5456	4392
80°	3769	2678	1091
85°	988	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 23455 cd/sqm

TEST NUMBER: P1317059

CATALOG NUMBER: P3SQAS09R709830DE010 E3SQCLDWW1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.4	6.4
10°-20°	73.3	16.6
20°-30°	92.0	20.9
30°-40°	87.9	19.9
40°-50°	71.5	16.2
50°-60°	50.0	11.3
60°-70°	28.3	6.4
70°-80°	8.9	2.0
80°-90°	0.7	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°	193.7	43.9
0°-40°	281.6	63.9
0°-60°	403.1	91.4
0°-90°	441.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	441.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	308	308	308	308	308	
5°	302	303	303	303	304	28
15°	260	261	263	263	265	73
25°	195	198	201	204	206	90
35°	134	136	141	144	146	84
45°	88	90	94	95	96	68
55°	54	55	57	56	55	49
65°	26	28	30	28	27	26
75°	9	9	8	7	7	9
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

TEST NUMBER: P1317059

CATALOG NUMBER: P3SQAS09R709830DE010 E3SQCLDWW1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	308.0	308.0	308.0	308.0	308.0
1°	307.5	308.0	308.6	307.5	308.0
2°	307.0	307.5	307.5	307.0	308.0
3°	305.9	306.4	306.4	305.9	307.0
4°	304.2	304.8	304.8	304.2	305.3
5°	302.0	302.6	303.1	302.6	303.7
6°	299.8	300.4	300.9	300.4	300.9
7°	296.6	297.7	297.7	297.7	298.7
8°	293.3	294.4	294.9	294.4	295.5
9°	290.0	290.5	291.1	291.1	292.2
10°	286.2	286.7	286.7	287.3	288.4
11°	281.8	281.8	282.9	282.9	284.5
12°	276.3	276.9	278.0	278.5	279.6
13°	271.4	271.9	273.0	273.6	275.2
14°	265.9	267.0	268.1	268.7	270.3
15°	260.4	261.0	262.6	263.2	264.8
17.5°	245.1	245.7	248.4	249.5	251.1
20°	228.7	230.4	233.1	234.7	236.4
22.5°	211.7	213.4	216.7	219.4	220.5
25°	195.3	197.5	200.8	204.1	205.7
27.5°	178.9	181.1	184.9	188.2	190.4
30°	163.1	165.2	169.6	172.4	174.5
32.5°	148.3	150.5	155.4	158.1	159.8
35°	134.1	136.2	141.2	143.9	145.5
37.5°	121.5	123.7	128.0	130.8	131.9
40°	108.3	111.1	115.5	118.2	119.3
42.5°	97.4	99.6	104.0	106.1	107.8
45°	87.5	89.7	93.6	95.2	96.3
47.5°	78.8	79.9	83.2	83.7	84.8
50°	70.0	71.1	73.3	73.9	73.3
52.5°	61.8	62.9	64.6	64.0	64.0
55°	54.2	54.7	56.9	55.8	55.3
57.5°	46.5	47.6	49.8	48.1	47.6
60°	39.9	41.0	42.7	41.6	40.5
62.5°	33.4	33.9	36.7	34.5	33.4
65°	26.3	27.9	30.1	28.5	27.4
67.5°	19.7	22.4	24.6	22.4	21.3
70°	15.3	16.4	18.1	17.0	15.3
72.5°	11.5	12.0	12.6	11.5	10.4
75°	8.8	8.8	8.2	7.1	6.6
77.5°	6.0	6.0	4.9	3.3	3.3
80°	3.8	3.8	2.7	1.1	1.1
82.5°	1.6	1.6	1.1	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: P1317059

CATALOG NUMBER: P3SQAS09R709830DE010 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)