

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: P1310102

Luminaire Tested: P3SQAS09R359040DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310102
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R359040DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

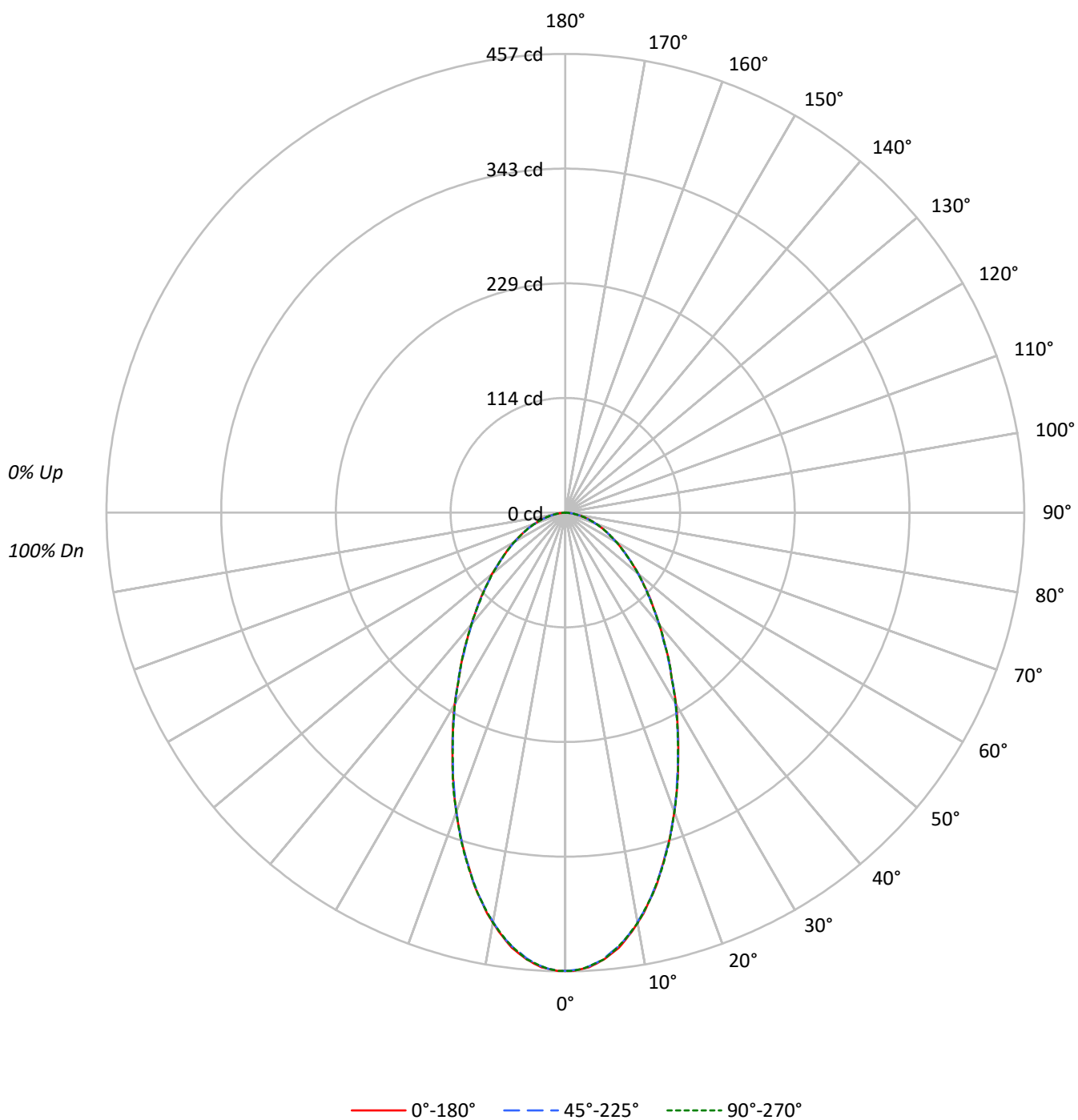
Lumens per Lamp: N/A
Luminaire Lumens: 610.0 lumens
Efficiency: N/A
Efficacy: 55.0 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1310102

CATALOG NUMBER: P3SQAS09R359040DE010 E3SQPHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1310102

CATALOG NUMBER: P3SQAS09R359040DE010 E3SQPHLD1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	111	107	103	100	108	105	101	99	100	98	95		97	95	93		93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82		87	84	81		84	81	79	77
3	95	86	79	74	93	85	78	73	82	76	72		79	75	71		77	73	70	68
4	88	78	71	65	86	77	70	65	75	68	64		72	67	63		70	66	62	60
5	82	71	64	58	80	70	63	58	68	62	57		66	61	56		65	60	56	54
6	77	65	58	52	75	65	57	52	63	56	51		61	55	51		60	55	51	49
7	72	60	53	47	71	60	52	47	58	52	47		57	51	46		55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	43		53	47	43		52	46	42	41
9	64	52	45	40	63	51	44	40	50	44	39		49	44	39		48	43	39	38
10	60	49	42	37	59	48	41	37	47	41	37		46	41	36		45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	78637	78637	78637
5°	77174	77036	77174
10°	72557	72418	72557
15°	65685	65685	65828
20°	58153	58153	58153
25°	50566	50414	50414
30°	43830	43532	43671
35°	37739	37571	37739
40°	32734	32577	32734
45°	28764	28570	28570
50°	25534	25319	25319
55°	22460	22460	22460
60°	20322	20081	20322
65°	18297	18297	18297
70°	16265	16265	16265
75°	14639	14173	14639
80°	12497	12497	12497
85°	7707	7707	7707

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28764 cd/sqm

TEST NUMBER: P1310102

CATALOG NUMBER: P3SQAS09R359040DE010 E3SQPHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.5	6.8
10°-20°	102.8	16.8
20°-30°	122.1	20.0
30°-40°	112.2	18.4
40°-50°	91.1	14.9
50°-60°	67.4	11.1
60°-70°	44.6	7.3
70°-80°	23.1	3.8
80°-90°	5.2	0.9
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°	266.4	43.7
0°-40°	378.6	62.1
0°-60°	537.2	88.1
0°-90°	610.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	610.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	457	457	457	457	457	
5°	446	446	446	446	446	42
15°	368	368	368	368	369	103
25°	266	265	265	266	265	122
35°	180	179	179	180	180	112
45°	118	117	117	117	117	91
55°	75	75	75	75	75	68
65°	45	45	45	45	45	45
75°	22	22	21	22	22	23
85°	4	4	4	4	4	5
90°	0	0	0	0	0	

TEST NUMBER: P1310102

CATALOG NUMBER: P3SQAS09R359040DE010 E3SQPHLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	456.6	456.6	456.6	456.6	456.6
1°	456.6	455.8	455.8	455.8	456.6
2°	455.0	455.0	455.0	455.0	455.0
3°	453.5	452.7	452.7	452.7	452.7
4°	450.3	449.5	449.5	449.5	449.5
5°	446.4	445.6	445.6	445.6	446.4
6°	441.7	440.9	440.1	440.1	440.9
7°	436.9	435.4	435.4	435.4	435.4
8°	429.8	429.1	429.1	429.1	429.1
9°	422.8	421.2	422.0	422.0	422.0
10°	414.9	414.1	414.1	414.1	414.9
11°	407.0	406.2	406.2	405.4	406.2
12°	397.6	397.6	397.6	397.6	397.6
13°	388.9	388.1	388.1	388.1	388.9
14°	379.5	378.7	378.7	378.7	378.7
15°	368.4	368.4	368.4	368.4	369.2
17.5°	343.2	342.5	343.2	343.2	344.0
20°	317.3	316.5	317.3	317.3	317.3
22.5°	291.3	291.3	290.5	291.3	292.1
25°	266.1	265.3	265.3	266.1	265.3
27.5°	242.5	241.7	241.7	241.7	241.7
30°	220.4	218.9	218.9	219.6	219.6
32.5°	197.6	197.6	198.4	197.6	197.6
35°	179.5	178.7	178.7	179.5	179.5
37.5°	161.4	160.6	160.6	161.4	161.4
40°	145.6	145.6	144.9	145.6	145.6
42.5°	130.7	130.7	130.7	130.7	130.7
45°	118.1	117.3	117.3	117.3	117.3
47.5°	105.5	105.5	105.5	104.7	105.5
50°	95.3	94.5	94.5	94.5	94.5
52.5°	84.2	84.2	84.2	84.2	84.2
55°	74.8	74.8	74.8	74.8	74.8
57.5°	66.9	66.1	66.1	66.1	66.1
60°	59.0	59.0	58.3	59.0	59.0
62.5°	51.2	51.2	51.2	51.2	51.2
65°	44.9	44.9	44.9	44.9	44.9
67.5°	38.6	38.6	38.6	38.6	38.6
70°	32.3	32.3	32.3	32.3	32.3
72.5°	27.6	26.8	26.8	26.8	26.8
75°	22.0	22.0	21.3	22.0	22.0
77.5°	16.5	16.5	16.5	16.5	16.5
80°	12.6	12.6	12.6	11.8	12.6
82.5°	7.9	7.9	7.9	7.9	7.9
85°	3.9	3.9	3.9	3.9	3.9
87.5°	0.8	0.8	0.8	1.6	1.6



TEST NUMBER: P1310102

CATALOG NUMBER: P3SQAS09R359040DE010 E3SQPHLD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)