

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: P1310086

Luminaire Tested: P3SQAS09R309040DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310086
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R309040DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

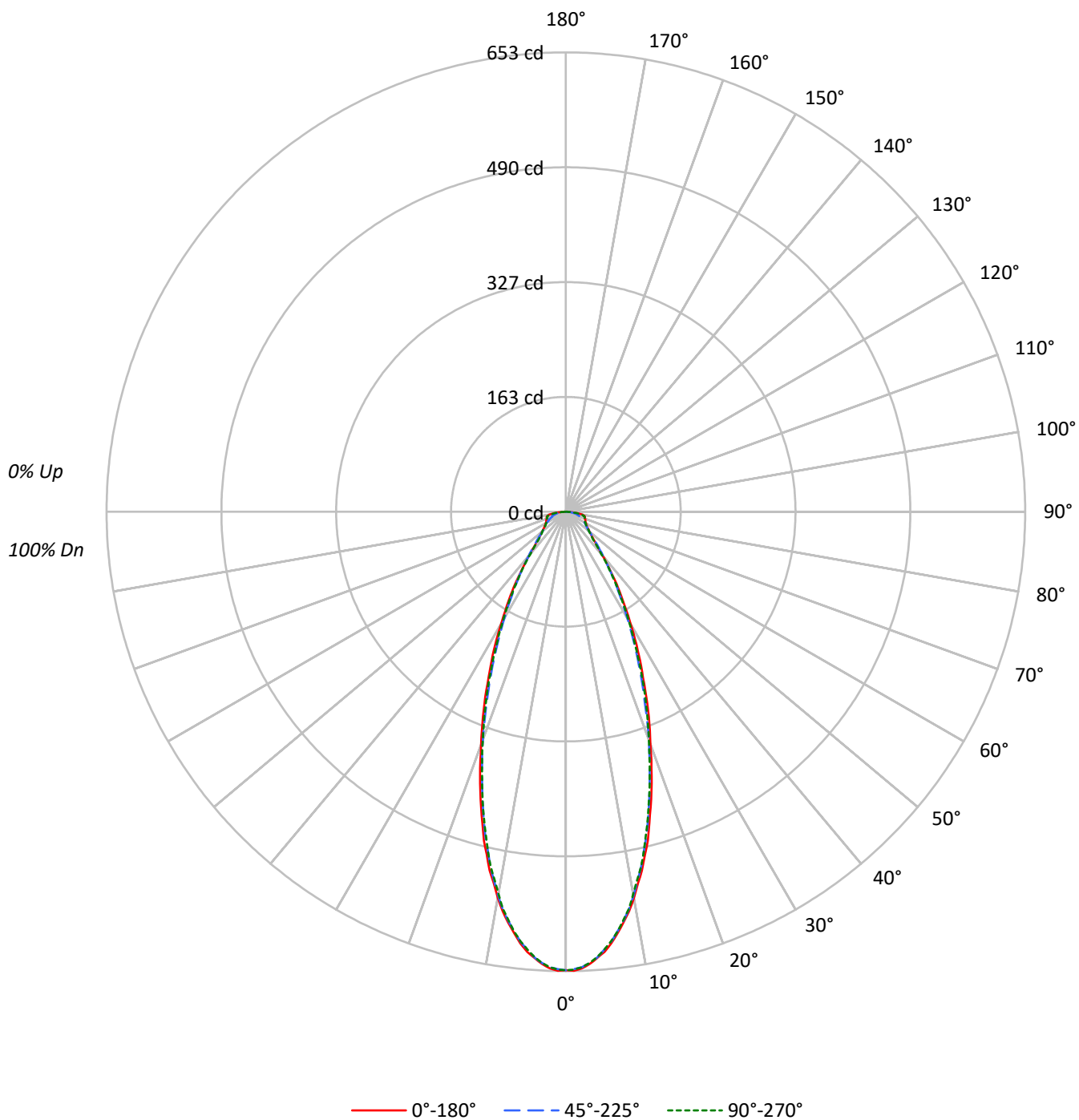
Lumens per Lamp: N/A
Luminaire Lumens: 514.0 lumens
Efficiency: N/A
Efficacy: 46.3 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1310086

CATALOG NUMBER: P3SQAS09R309040DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1310086

CATALOG NUMBER: P3SQAS09R309040DE010 E3SQPHLP1MW

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	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	59		67	62	58		66
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	112255	112255	112255
5°	108604	108050	108050
10°	97460	96918	96498
15°	81696	80430	80288
20°	64495	63193	63193
25°	49369	47412	48324
30°	36631	34762	35537
35°	26491	25314	25482
40°	18233	18593	17693
45°	13615	14200	13030
50°	11816	11601	11601
55°	11110	10629	10869
60°	11401	10574	11126
65°	12511	10595	12185
70°	14653	10726	14250
75°	18831	11512	18366
80°	23406	12497	21819
85°	18575	12449	17191

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 23406 cd/sqm

TEST NUMBER: P1310086

CATALOG NUMBER: P3SQAS09R309040DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.5	11.2
10°-20°	125.0	24.3
20°-30°	116.4	22.7
30°-40°	77.3	15.0
40°-50°	45.0	8.8
50°-60°	32.7	6.4
60°-70°	27.7	5.4
70°-80°	22.9	4.5
80°-90°	9.5	1.9
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°	298.9	58.1
0°-40°	376.2	73.2
0°-60°	453.9	88.3
0°-90°	514.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	514.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	652	652	652	652	652	
5°	628	627	625	625	625	58
15°	458	453	451	450	450	127
25°	260	255	250	250	254	120
35°	126	124	120	121	121	79
45°	56	57	58	55	54	45
55°	37	36	35	36	36	34
65°	31	28	26	28	30	31
75°	28	21	17	21	28	29
85°	9	11	6	10	9	11
90°	0	0	0	0	0	

TEST NUMBER: P1310086

CATALOG NUMBER: P3SQAS09R309040DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	651.8	651.8	651.8	651.8	651.8
1°	652.6	651.8	650.2	651.0	651.0
2°	649.4	648.7	647.9	647.9	647.9
3°	643.9	643.1	642.4	642.4	642.4
4°	636.1	635.3	635.3	634.5	634.5
5°	628.2	627.4	625.0	625.0	625.0
6°	617.2	616.4	614.8	614.0	614.0
7°	603.8	603.8	601.4	600.6	601.4
8°	589.6	588.8	587.3	586.5	586.5
9°	574.7	572.3	572.3	569.9	571.5
10°	557.3	555.8	554.2	552.6	551.8
11°	537.7	536.9	534.5	532.9	532.2
12°	521.1	517.2	515.6	513.3	514.8
13°	499.9	497.5	493.6	492.8	493.6
14°	481.8	477.0	473.9	472.3	471.5
15°	458.2	453.4	451.1	450.3	450.3
17.5°	405.4	402.3	396.0	396.0	396.0
20°	351.9	348.7	344.8	344.0	344.8
22.5°	305.4	299.9	293.6	294.4	299.1
25°	259.8	255.1	249.5	250.3	254.3
27.5°	221.2	214.9	209.4	211.0	213.3
30°	184.2	180.3	174.8	176.3	178.7
32.5°	152.7	150.4	144.1	145.6	148.0
35°	126.0	123.6	120.4	121.2	121.2
37.5°	100.8	100.8	100.0	99.2	98.4
40°	81.1	82.7	82.7	80.3	78.7
42.5°	66.1	67.7	69.3	66.1	63.8
45°	55.9	56.7	58.3	55.1	53.5
47.5°	48.8	48.8	50.4	48.0	47.2
50°	44.1	44.1	43.3	42.5	43.3
52.5°	40.1	39.4	38.6	39.4	39.4
55°	37.0	36.2	35.4	36.2	36.2
57.5°	34.6	33.8	33.1	33.1	33.8
60°	33.1	31.5	30.7	31.5	32.3
62.5°	31.5	29.1	28.3	29.1	30.7
65°	30.7	27.6	26.0	27.6	29.9
67.5°	29.9	26.0	23.6	26.0	29.1
70°	29.1	24.4	21.3	24.4	28.3
72.5°	28.3	22.8	19.7	22.8	28.3
75°	28.3	21.3	17.3	21.3	27.6
77.5°	26.8	19.7	15.0	19.7	26.0
80°	23.6	18.1	12.6	17.3	22.0
82.5°	17.3	15.7	9.4	15.0	16.5
85°	9.4	11.0	6.3	10.2	8.7
87.5°	1.6	2.4	1.6	4.7	3.1



TEST NUMBER: P1310086

CATALOG NUMBER: P3SQAS09R309040DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)