

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: P1311163

Luminaire Tested: P3SQAS09R309050DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311163
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: P3SQAS09R309050DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

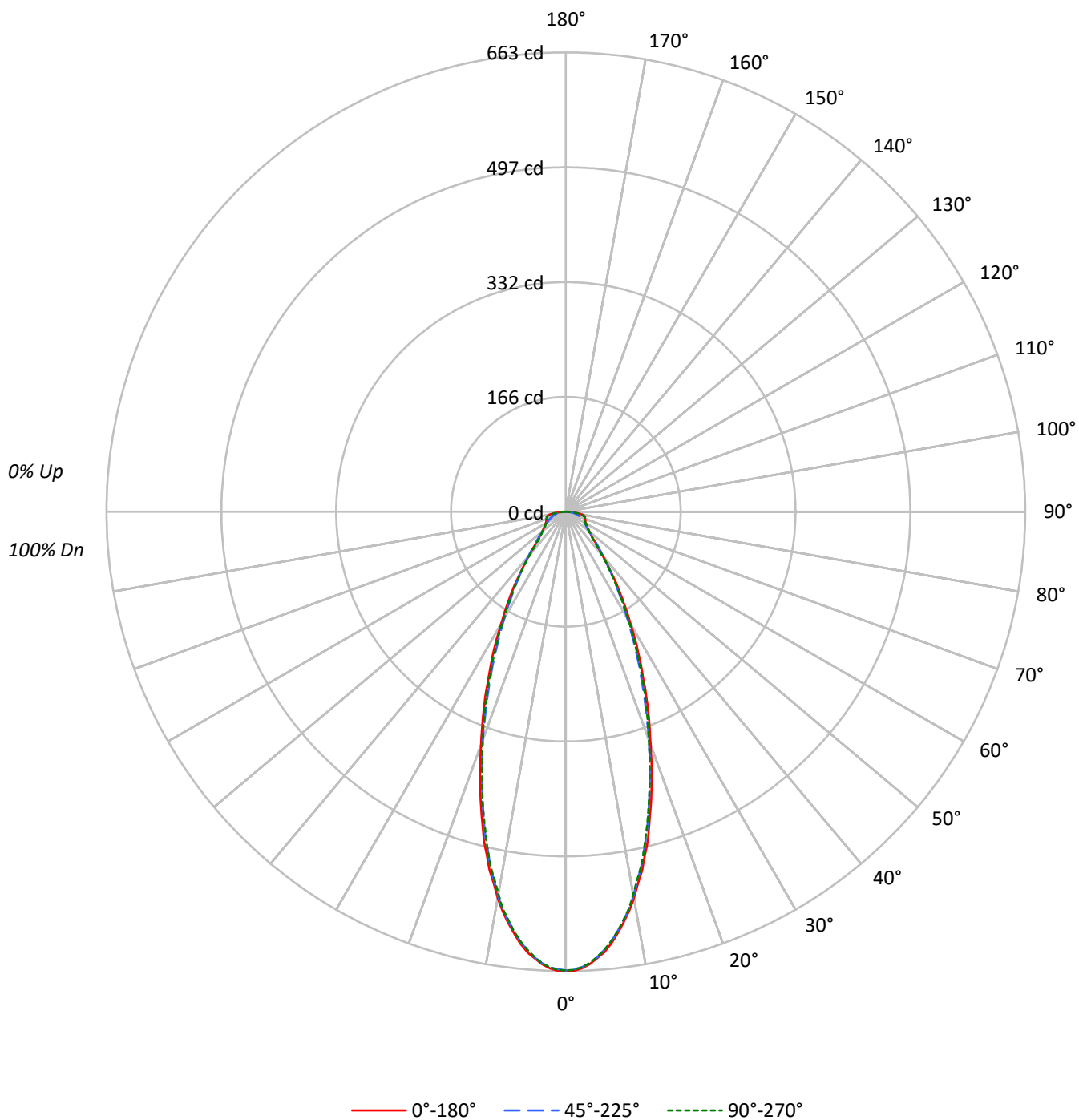
Lumens per Lamp: N/A
Luminaire Lumens: 522.1 lumens
Efficiency: N/A
Efficacy: 47.0 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1311163

CATALOG NUMBER: P3SQAS09R309050DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1311163

CATALOG NUMBER: P3SQAS09R309050DE010 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	59	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°	114011	114011	114011
5°	110298	109745	109745
10°	98982	98422	98002
15°	82962	81678	81536
20°	65503	64183	64183
25°	50129	48153	49065
30°	37208	35299	36094
35°	26890	25713	25881
40°	18503	18862	17963
45°	13834	14419	13250
50°	12003	11789	11789
55°	11290	10809	11050
60°	11573	10747	11298
65°	12714	10758	12388
70°	14905	10877	14502
75°	19164	11711	18632
80°	23803	12695	22216
85°	18970	12647	17389

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 23803 cd/sqm

TEST NUMBER: P1311163

CATALOG NUMBER: P3SQAS09R309050DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.4	11.2
10°-20°	126.9	24.3
20°-30°	118.3	22.7
30°-40°	78.5	15.0
40°-50°	45.7	8.8
50°-60°	33.3	6.4
60°-70°	28.1	5.4
70°-80°	23.3	4.5
80°-90°	9.7	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°	303.6	58.1
0°-40°	382.0	73.2
0°-60°	461.0	88.3
0°-90°	522.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	522.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	662	662	662	662	662	
5°	638	637	635	635	635	59
15°	465	460	458	457	457	129
25°	264	259	253	254	258	122
35°	128	126	122	123	123	80
45°	57	58	59	56	54	46
55°	38	37	36	37	37	34
65°	31	28	26	28	30	31
75°	29	22	18	22	28	29
85°	10	11	6	10	9	11
90°	0	0	0	0	0	

TEST NUMBER: P1311163

CATALOG NUMBER: P3SQAS09R309050DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	662.0	662.0	662.0	662.0	662.0
1°	662.7	662.0	660.4	661.2	661.2
2°	659.6	658.8	658.0	658.0	658.0
3°	654.0	653.2	652.4	652.4	652.4
4°	646.0	645.2	645.2	644.4	644.4
5°	638.0	637.2	634.8	634.8	634.8
6°	626.8	626.0	624.4	623.6	623.6
7°	613.2	613.2	610.8	610.0	610.8
8°	598.8	598.0	596.4	595.6	595.6
9°	583.6	581.2	581.2	578.8	580.4
10°	566.0	564.4	562.8	561.2	560.4
11°	546.0	545.2	542.8	541.2	540.4
12°	529.2	525.2	523.6	521.2	522.8
13°	507.7	505.3	501.3	500.5	501.3
14°	489.3	484.5	481.3	479.7	478.9
15°	465.3	460.5	458.1	457.3	457.3
17.5°	411.7	408.5	402.1	402.1	402.1
20°	357.4	354.2	350.2	349.4	350.2
22.5°	310.2	304.6	298.2	299.0	303.8
25°	263.8	259.0	253.4	254.2	258.2
27.5°	224.6	218.3	212.7	214.3	216.7
30°	187.1	183.1	177.5	179.1	181.5
32.5°	155.1	152.7	146.3	147.9	150.3
35°	127.9	125.5	122.3	123.1	123.1
37.5°	102.3	102.3	101.5	100.7	99.9
40°	82.3	83.9	83.9	81.5	79.9
42.5°	67.2	68.8	70.4	67.2	64.8
45°	56.8	57.6	59.2	56.0	54.4
47.5°	49.6	49.6	51.2	48.8	48.0
50°	44.8	44.8	44.0	43.2	44.0
52.5°	40.8	40.0	39.2	40.0	40.0
55°	37.6	36.8	36.0	36.8	36.8
57.5°	35.2	34.4	33.6	33.6	34.4
60°	33.6	32.0	31.2	32.0	32.8
62.5°	32.0	29.6	28.8	29.6	31.2
65°	31.2	28.0	26.4	28.0	30.4
67.5°	30.4	26.4	24.0	26.4	29.6
70°	29.6	24.8	21.6	24.8	28.8
72.5°	28.8	23.2	20.0	23.2	28.8
75°	28.8	21.6	17.6	21.6	28.0
77.5°	27.2	20.0	15.2	20.0	26.4
80°	24.0	18.4	12.8	17.6	22.4
82.5°	17.6	16.0	9.6	15.2	16.8
85°	9.6	11.2	6.4	10.4	8.8
87.5°	1.6	2.4	1.6	4.8	3.2



TEST NUMBER: P1311163

CATALOG NUMBER: P3SQAS09R309050DE010 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)