

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: P1309946

Luminaire Tested: P3SQAS05R359040DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309946
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R359040DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

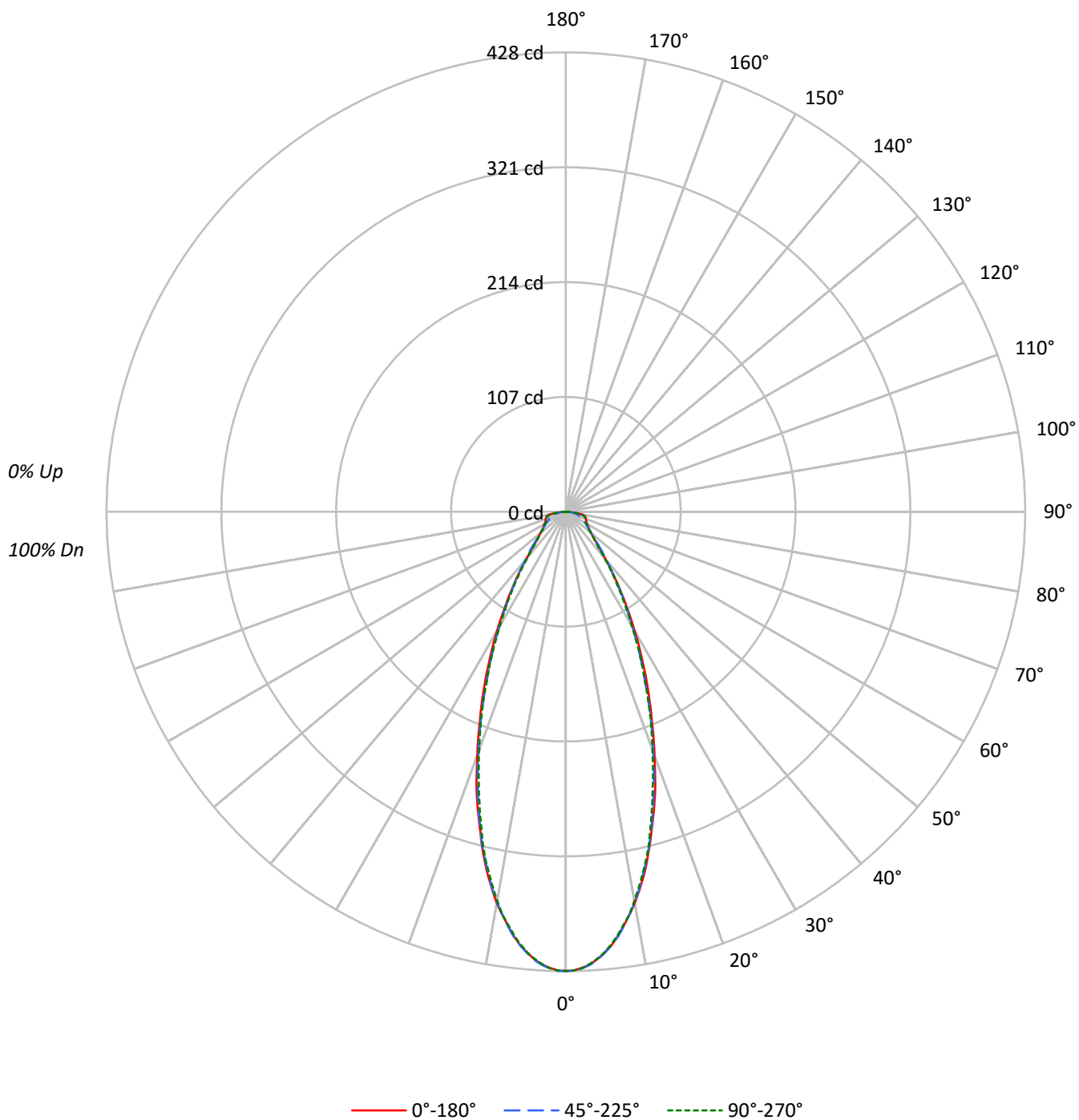
Lumens per Lamp: N/A
Luminaire Lumens: 354.0 lumens
Efficiency: N/A
Efficacy: 49.2 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1309946

CATALOG NUMBER: P3SQAS05R359040DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1309946

CATALOG NUMBER: P3SQAS05R359040DE010 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	101	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	69	64	73	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	58		67	62	58		66
7	77	66	60	55	76	66	59	54	64	58	54		63	58	54		62
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	73694	73694	73694
5°	71261	71365	71261
10°	64740	64653	64356
15°	54951	54773	54292
20°	44243	43656	43253
25°	34205	33179	33179
30°	25514	24639	24441
35°	18354	18123	17682
40°	12837	13197	12365
45°	9572	10108	9328
50°	8225	8225	8092
55°	7777	7446	7597
60°	7991	7233	7612
65°	8558	7254	8354
70°	10021	7604	9769
75°	12576	7918	12177
80°	16067	8529	14381
85°	12844	8497	12844

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 16067 cd/sqm

TEST NUMBER: P1309946

CATALOG NUMBER: P3SQAS05R359040DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.0	10.7
10°-20°	84.8	24.0
20°-30°	81.0	22.9
30°-40°	54.4	15.4
40°-50°	31.9	9.0
50°-60°	22.8	6.4
60°-70°	19.0	5.4
70°-80°	15.6	4.4
80°-90°	6.4	1.8
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°	203.8	57.6
0°-40°	258.2	72.9
0°-60°	313.0	88.4
0°-90°	354.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	354.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	428	428	428	428	428	
5°	412	413	413	412	412	38
15°	308	309	307	305	304	85
25°	180	178	175	175	175	83
35°	87	87	86	85	84	55
45°	39	40	42	39	38	32
55°	26	25	25	25	25	23
65°	21	19	18	19	20	21
75°	19	14	12	14	18	20
85°	6	7	4	7	6	7
90°	0	0	0	0	0	

TEST NUMBER: P1309946

CATALOG NUMBER: P3SQAS05R359040DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	427.9	427.9	427.9	427.9	427.9
1°	427.3	427.9	427.9	427.3	427.3
2°	425.2	426.2	425.7	425.2	425.7
3°	422.5	423.6	423.0	422.5	421.9
4°	418.2	419.2	418.7	417.6	417.6
5°	412.2	413.3	412.8	412.2	412.2
6°	406.3	407.4	406.3	405.2	405.2
7°	398.2	399.8	398.8	397.7	397.1
8°	389.1	390.7	389.6	389.1	388.0
9°	379.9	381.0	379.4	379.4	379.4
10°	370.2	370.7	369.7	368.0	368.0
11°	359.4	358.9	358.3	357.3	356.2
12°	347.6	347.6	346.0	344.9	344.3
13°	335.2	334.6	333.6	332.5	332.5
14°	322.2	322.2	321.2	319.0	319.5
15°	308.2	308.8	307.2	305.0	304.5
17.5°	276.4	275.4	272.7	271.1	269.4
20°	241.4	240.9	238.2	236.6	236.0
22.5°	209.1	208.5	205.8	204.2	205.3
25°	180.0	177.8	174.6	174.6	174.6
27.5°	153.0	150.3	148.2	147.1	148.2
30°	128.3	126.1	123.9	123.4	122.9
32.5°	106.2	105.1	104.0	102.4	102.4
35°	87.3	87.3	86.2	84.6	84.1
37.5°	71.1	71.7	71.1	69.5	69.0
40°	57.1	58.2	58.7	57.1	55.0
42.5°	46.9	48.5	49.6	46.9	45.3
45°	39.3	40.4	41.5	39.3	38.3
47.5°	34.5	35.0	35.6	33.9	33.4
50°	30.7	30.7	30.7	30.2	30.2
52.5°	28.0	28.0	27.5	26.9	26.9
55°	25.9	25.3	24.8	24.8	25.3
57.5°	24.2	23.7	22.6	23.2	23.7
60°	23.2	22.1	21.0	21.6	22.1
62.5°	21.6	20.5	19.4	19.9	21.0
65°	21.0	18.9	17.8	18.9	20.5
67.5°	20.5	17.8	16.2	17.8	19.9
70°	19.9	16.7	15.1	16.7	19.4
72.5°	19.4	15.6	13.5	15.6	18.9
75°	18.9	14.5	11.9	14.5	18.3
77.5°	17.8	13.5	10.2	13.5	16.7
80°	16.2	12.4	8.6	11.9	14.5
82.5°	11.9	10.2	7.0	10.2	10.8
85°	6.5	7.0	4.3	7.0	6.5
87.5°	0.5	1.1	1.1	3.2	2.2



TEST NUMBER: P1309946
CATALOG NUMBER: P3SQAS05R359040DE010 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)