

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: P1313403

Luminaire Tested: P3SQAS13R259730DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313403
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R259730DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

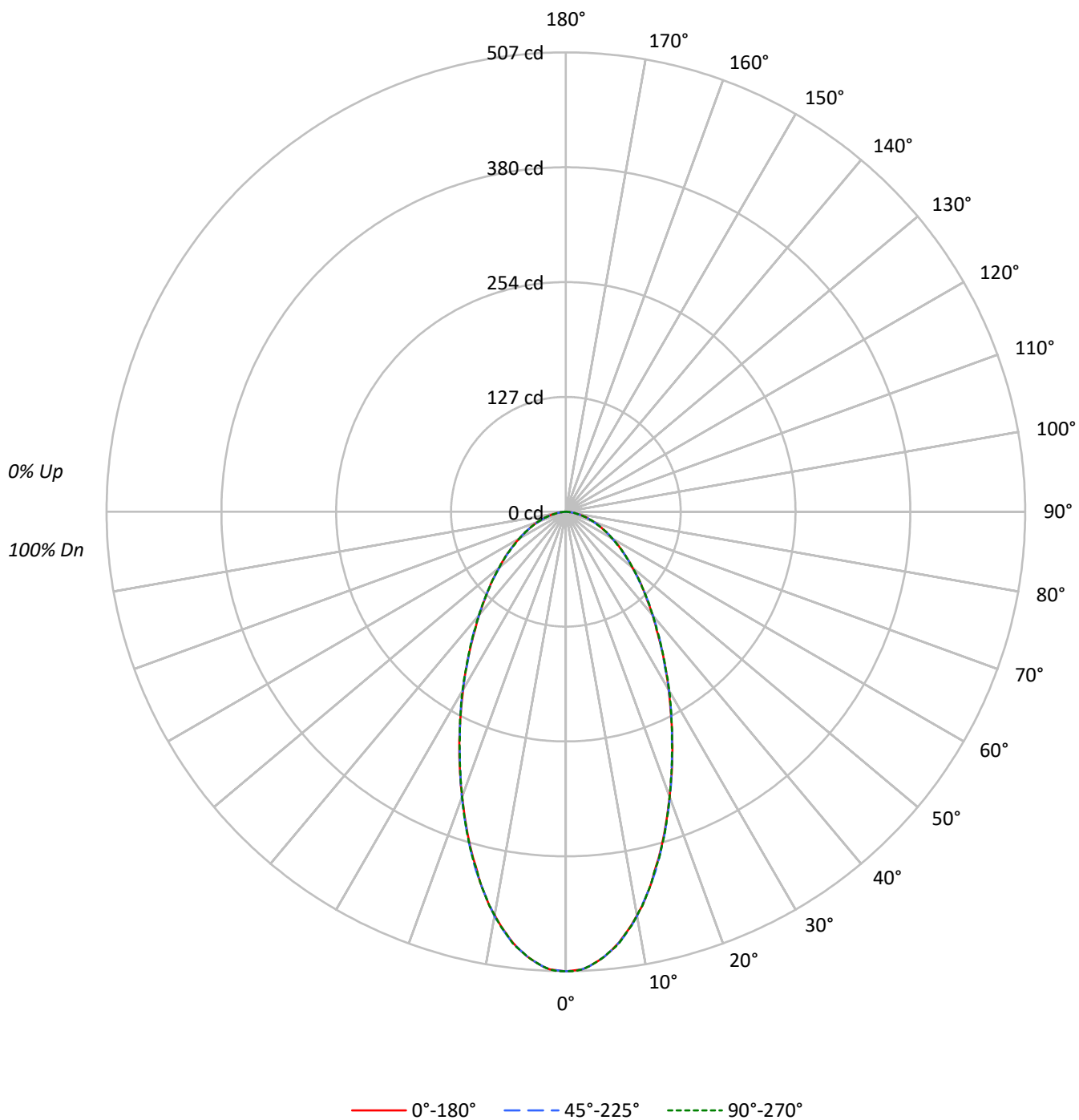
Lumens per Lamp: N/A
Luminaire Lumens: 635.0 lumens
Efficiency: N/A
Efficacy: 43.5 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1313403

CATALOG NUMBER: P3SQAS13R259730DE010 E3SQPHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1313403

CATALOG NUMBER: P3SQAS13R259730DE010 E3SQPHLD1MW

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	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85
3	95	87	80	74	93	85	79	74	82	77	72		80	75	71		77
4	89	79	71	65	87	77	70	65	75	69	64		73	68	63		71
5	83	72	64	58	81	71	64	58	69	62	58		67	61	57		65
6	77	66	58	53	76	65	58	52	63	57	52		62	56	52		60
7	73	61	53	48	71	60	53	48	59	52	47		57	51	47		56
8	68	56	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	42	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	87351	87351	87351
5°	85126	85126	85126
10°	79098	79255	79098
15°	70535	70695	70695
20°	61324	61489	61324
25°	52827	52656	52656
30°	45063	45242	45401
35°	38664	38664	38853
40°	33498	33498	33498
45°	29300	29300	29300
50°	25695	25695	25909
55°	23030	23030	23030
60°	20426	20426	20426
65°	18460	18460	18460
70°	16667	16214	16667
75°	15105	14506	14506
80°	12100	12100	12100
85°	8695	8695	8695

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 29300 cd/sqm

TEST NUMBER: P1313403

CATALOG NUMBER: P3SQAS13R259730DE010 E3SQPHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.8	7.2
10°-20°	110.4	17.4
20°-30°	127.6	20.1
30°-40°	115.7	18.2
40°-50°	93.2	14.7
50°-60°	68.7	10.8
60°-70°	45.2	7.1
70°-80°	23.3	3.7
80°-90°	5.3	0.8
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°	283.7	44.7
0°-40°	399.4	62.9
0°-60°	561.3	88.4
0°-90°	635.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	635.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	507	507	507	507	507	
5°	492	494	492	492	492	46
15°	396	396	396	396	396	110
25°	278	277	277	278	277	128
35°	184	184	184	184	185	115
45°	120	120	120	120	120	93
55°	77	77	77	76	77	69
65°	45	45	45	45	45	45
75°	23	22	22	22	22	24
85°	4	4	4	4	4	5
90°	0	0	0	0	0	

TEST NUMBER: P1313403

CATALOG NUMBER: P3SQAS13R259730DE010 E3SQPHLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	507.2	507.2	507.2	507.2	507.2
1°	506.3	508.1	506.3	506.3	507.2
2°	505.5	506.3	505.5	505.5	505.5
3°	502.0	503.7	502.0	502.0	502.0
4°	497.6	499.4	497.6	497.6	497.6
5°	492.4	494.1	492.4	492.4	492.4
6°	486.3	487.2	486.3	486.3	486.3
7°	479.3	480.2	479.3	479.3	480.2
8°	470.6	471.5	471.5	470.6	470.6
9°	461.9	462.8	462.8	461.9	462.8
10°	452.3	453.2	453.2	452.3	452.3
11°	442.7	443.6	441.8	441.8	442.7
12°	431.4	432.3	431.4	431.4	431.4
13°	420.1	420.1	420.1	420.1	420.1
14°	407.0	408.7	408.7	407.9	407.0
15°	395.6	396.5	396.5	395.6	396.5
17.5°	365.1	366.9	366.0	366.0	366.0
20°	334.6	335.5	335.5	334.6	334.6
22.5°	305.9	305.0	305.0	305.0	305.0
25°	278.0	277.1	277.1	278.0	277.1
27.5°	251.0	251.9	251.9	251.0	251.9
30°	226.6	226.6	227.5	226.6	228.3
32.5°	204.8	204.8	203.9	204.8	204.8
35°	183.9	183.9	183.9	183.9	184.8
37.5°	164.7	165.6	166.5	166.5	165.6
40°	149.0	149.0	149.0	149.0	149.0
42.5°	133.3	133.3	134.2	134.2	134.2
45°	120.3	120.3	120.3	120.3	120.3
47.5°	108.1	108.1	107.2	107.2	108.1
50°	95.9	96.7	95.9	95.9	96.7
52.5°	86.3	85.4	85.4	86.3	86.3
55°	76.7	76.7	76.7	75.8	76.7
57.5°	68.0	68.0	67.1	67.1	67.1
60°	59.3	59.3	59.3	59.3	59.3
62.5°	52.3	52.3	52.3	52.3	52.3
65°	45.3	45.3	45.3	45.3	45.3
67.5°	39.2	39.2	39.2	39.2	38.3
70°	33.1	33.1	32.2	32.2	33.1
72.5°	27.0	27.0	27.0	27.0	27.0
75°	22.7	21.8	21.8	21.8	21.8
77.5°	17.4	17.4	16.6	17.4	16.6
80°	12.2	12.2	12.2	12.2	12.2
82.5°	8.7	7.8	7.8	7.8	7.8
85°	4.4	4.4	4.4	4.4	4.4
87.5°	0.9	0.9	0.9	0.9	1.7



TEST NUMBER: P1313403

CATALOG NUMBER: P3SQAS13R259730DE010 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)