

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: P1307039

Luminaire Tested: P3SQAS17R259027DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307039
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: P3SQAS17R259027DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

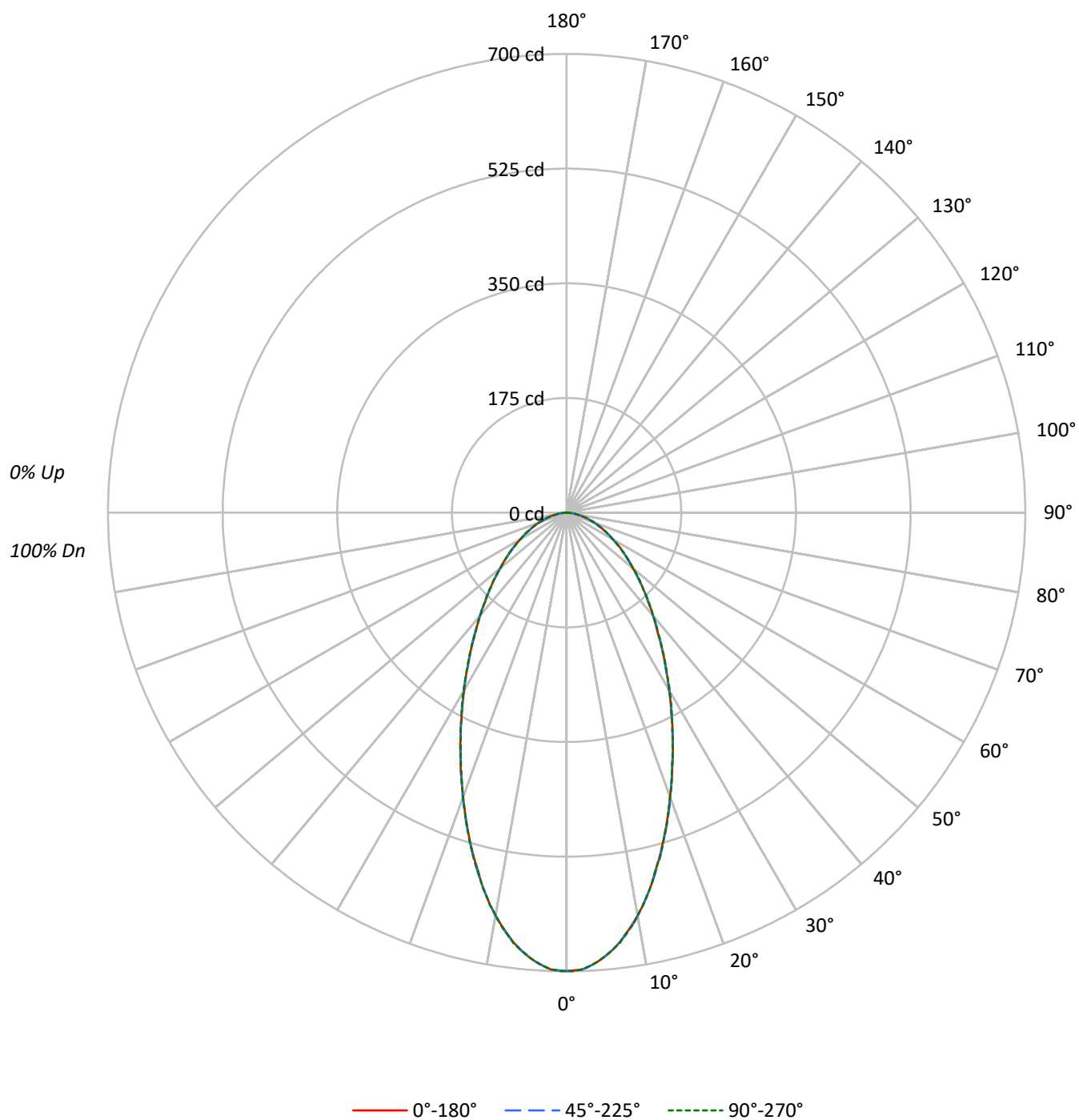
Lumens per Lamp: N/A
Luminaire Lumens: 876.0 lumens
Efficiency: N/A
Efficacy: 41.3 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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

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Luminous Intensity Polar Plot



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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°	120504	120504	120504
5°	117438	117438	117438
10°	109125	109335	109125
15°	97315	97529	97529
20°	84618	84838	84618
25°	72875	72647	72647
30°	62165	62404	62643
35°	53339	53339	53591
40°	46223	46223	46223
45°	40407	40407	40407
50°	35420	35420	35742
55°	31768	31768	31768
60°	28176	28176	28176
65°	25470	25470	25470
70°	23012	22408	23012
75°	20828	20029	20029
80°	16662	16662	16662
85°	11856	11856	11856

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 40407 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.1	7.2
10°-20°	152.3	17.4
20°-30°	176.0	20.1
30°-40°	159.6	18.2
40°-50°	128.6	14.7
50°-60°	94.7	10.8
60°-70°	62.3	7.1
70°-80°	32.2	3.7
80°-90°	7.3	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°	391.4	44.7
0°-40°	551.0	62.9
0°-60°	774.3	88.4
0°-90°	876.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	876.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	700	700	700	700	700	
5°	679	682	679	679	679	63
15°	546	547	547	546	547	152
25°	384	382	382	384	382	176
35°	254	254	254	254	255	159
45°	166	166	166	166	166	129
55°	106	106	106	105	106	95
65°	62	62	62	62	62	62
75°	31	30	30	30	30	33
85°	6	6	6	6	6	8
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	699.7	699.7	699.7	699.7	699.7
1°	698.5	700.9	698.5	698.5	699.7
2°	697.3	698.5	697.3	697.3	697.3
3°	692.5	694.9	692.5	692.5	692.5
4°	686.5	688.9	686.5	686.5	686.5
5°	679.3	681.7	679.3	679.3	679.3
6°	670.8	672.0	670.8	670.8	670.8
7°	661.2	662.4	661.2	661.2	662.4
8°	649.2	650.4	650.4	649.2	649.2
9°	637.2	638.4	638.4	637.2	638.4
10°	624.0	625.2	625.2	624.0	624.0
11°	610.7	611.9	609.5	609.5	610.7
12°	595.1	596.3	595.1	595.1	595.1
13°	579.5	579.5	579.5	579.5	579.5
14°	561.4	563.8	563.8	562.6	561.4
15°	545.8	547.0	547.0	545.8	547.0
17.5°	503.7	506.1	504.9	504.9	504.9
20°	461.7	462.9	462.9	461.7	461.7
22.5°	422.0	420.8	420.8	420.8	420.8
25°	383.5	382.3	382.3	383.5	382.3
27.5°	346.2	347.4	347.4	346.2	347.4
30°	312.6	312.6	313.8	312.6	315.0
32.5°	282.5	282.5	281.3	282.5	282.5
35°	253.7	253.7	253.7	253.7	254.9
37.5°	227.2	228.4	229.6	229.6	228.4
40°	205.6	205.6	205.6	205.6	205.6
42.5°	183.9	183.9	185.1	185.1	185.1
45°	165.9	165.9	165.9	165.9	165.9
47.5°	149.1	149.1	147.9	147.9	149.1
50°	132.2	133.4	132.2	132.2	133.4
52.5°	119.0	117.8	117.8	119.0	119.0
55°	105.8	105.8	105.8	104.6	105.8
57.5°	93.8	93.8	92.6	92.6	92.6
60°	81.8	81.8	81.8	81.8	81.8
62.5°	72.1	72.1	72.1	72.1	72.1
65°	62.5	62.5	62.5	62.5	62.5
67.5°	54.1	54.1	54.1	54.1	52.9
70°	45.7	45.7	44.5	44.5	45.7
72.5°	37.3	37.3	37.3	37.3	37.3
75°	31.3	30.1	30.1	30.1	30.1
77.5°	24.0	24.0	22.8	24.0	22.8
80°	16.8	16.8	16.8	16.8	16.8
82.5°	12.0	10.8	10.8	10.8	10.8
85°	6.0	6.0	6.0	6.0	6.0
87.5°	1.2	1.2	1.2	1.2	2.4



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)