

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: P1312577

Luminaire Tested: P3SQAS17R259727DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312577
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: P3SQAS17R259727DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

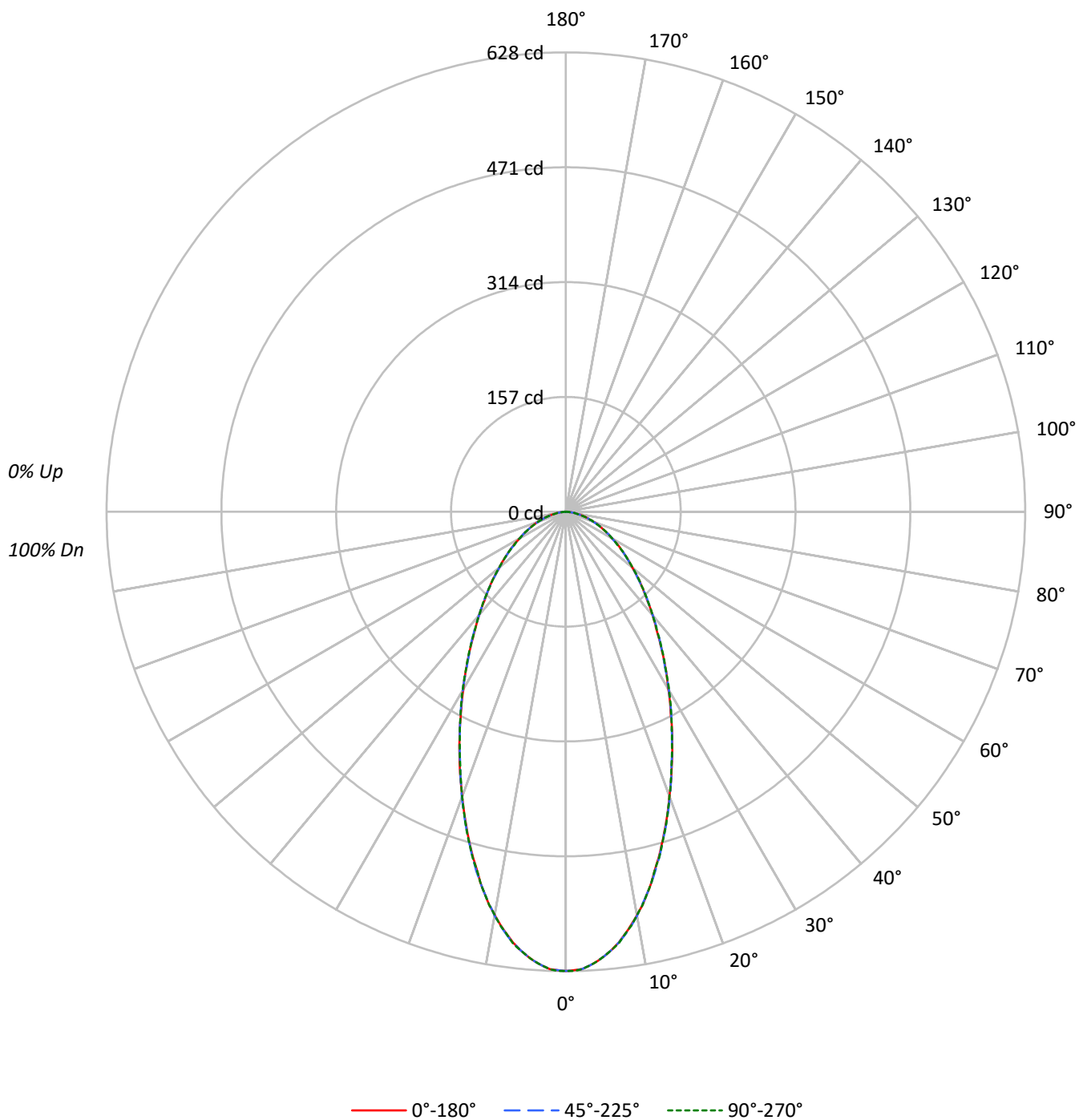
Lumens per Lamp: N/A
Luminaire Lumens: 786.0 lumens
Efficiency: N/A
Efficacy: 37.1 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	108121	108121	108121
5°	105371	105371	105371
10°	97898	98090	97898
15°	87313	87509	87509
20°	75913	76114	75913
25°	65388	65179	65179
30°	55782	55981	56199
35°	47852	47852	48083
40°	41479	41479	41479
45°	36266	36266	36266
50°	31803	31803	32071
55°	28495	28495	28495
60°	25282	25282	25282
65°	22862	22862	22862
70°	20645	20091	20645
75°	18632	17966	17966
80°	14976	14976	14976
85°	10671	10671	10671

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 36266 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.6	7.2
10°-20°	136.6	17.4
20°-30°	157.9	20.1
30°-40°	143.2	18.2
40°-50°	115.4	14.7
50°-60°	85.0	10.8
60°-70°	55.9	7.1
70°-80°	28.9	3.7
80°-90°	6.5	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°	351.2	44.7
0°-40°	494.3	62.9
0°-60°	694.7	88.4
0°-90°	786.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	786.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	628	628	628	628	628	
5°	610	612	610	610	610	57
15°	490	491	491	490	491	136
25°	344	343	343	344	343	158
35°	228	228	228	228	229	143
45°	149	149	149	149	149	115
55°	95	95	95	94	95	85
65°	56	56	56	56	56	56
75°	28	27	27	27	27	29
85°	5	5	5	5	5	7
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	627.8	627.8	627.8	627.8	627.8
1°	626.7	628.9	626.7	626.7	627.8
2°	625.7	626.7	625.7	625.7	625.7
3°	621.3	623.5	621.3	621.3	621.3
4°	615.9	618.1	615.9	615.9	615.9
5°	609.5	611.6	609.5	609.5	609.5
6°	601.9	603.0	601.9	601.9	601.9
7°	593.3	594.4	593.3	593.3	594.4
8°	582.5	583.6	583.6	582.5	582.5
9°	571.7	572.8	572.8	571.7	572.8
10°	559.8	560.9	560.9	559.8	559.8
11°	548.0	549.1	546.9	546.9	548.0
12°	534.0	535.0	534.0	534.0	534.0
13°	519.9	519.9	519.9	519.9	519.9
14°	503.8	505.9	505.9	504.8	503.8
15°	489.7	490.8	490.8	489.7	490.8
17.5°	452.0	454.1	453.1	453.1	453.1
20°	414.2	415.3	415.3	414.2	414.2
22.5°	378.6	377.5	377.5	377.5	377.5
25°	344.1	343.0	343.0	344.1	343.0
27.5°	310.7	311.7	311.7	310.7	311.7
30°	280.5	280.5	281.5	280.5	282.6
32.5°	253.5	253.5	252.4	253.5	253.5
35°	227.6	227.6	227.6	227.6	228.7
37.5°	203.9	205.0	206.0	206.0	205.0
40°	184.5	184.5	184.5	184.5	184.5
42.5°	165.0	165.0	166.1	166.1	166.1
45°	148.9	148.9	148.9	148.9	148.9
47.5°	133.8	133.8	132.7	132.7	133.8
50°	118.7	119.7	118.7	118.7	119.7
52.5°	106.8	105.7	105.7	106.8	106.8
55°	94.9	94.9	94.9	93.8	94.9
57.5°	84.1	84.1	83.1	83.1	83.1
60°	73.4	73.4	73.4	73.4	73.4
62.5°	64.7	64.7	64.7	64.7	64.7
65°	56.1	56.1	56.1	56.1	56.1
67.5°	48.5	48.5	48.5	48.5	47.5
70°	41.0	41.0	39.9	39.9	41.0
72.5°	33.4	33.4	33.4	33.4	33.4
75°	28.0	27.0	27.0	27.0	27.0
77.5°	21.6	21.6	20.5	21.6	20.5
80°	15.1	15.1	15.1	15.1	15.1
82.5°	10.8	9.7	9.7	9.7	9.7
85°	5.4	5.4	5.4	5.4	5.4
87.5°	1.1	1.1	1.1	1.1	2.2



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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)