

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: P1317110

Luminaire Tested: P3SQAS13R259830DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317110
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: P3SQAS13R259830DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

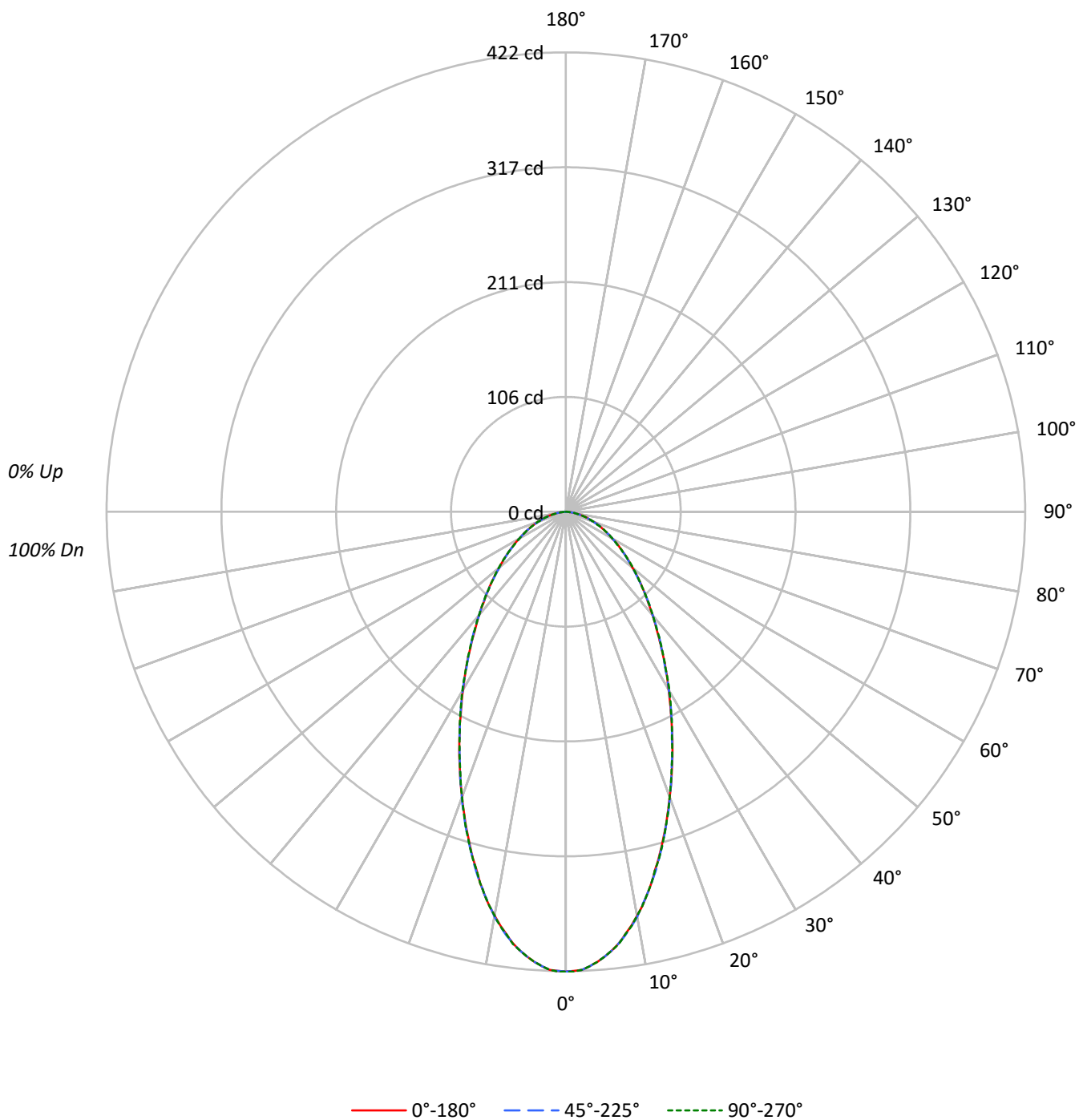
Lumens per Lamp: N/A
Luminaire Lumens: 529.0 lumens
Efficiency: N/A
Efficacy: 36.5 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	63	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°	72764	72764	72764
5°	70916	70916	70916
10°	65895	66017	65895
15°	58767	58892	58892
20°	51097	51226	51097
25°	44010	43877	43877
30°	37546	37685	37824
35°	32210	32210	32357
40°	27900	27900	27900
45°	24405	24405	24405
50°	21408	21408	21595
55°	19187	19187	19187
60°	17016	17016	17016
65°	15404	15404	15404
70°	13898	13545	13898
75°	12576	12111	12111
80°	10116	10116	10116
85°	7114	7114	7114

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24405 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.1	7.2
10°-20°	92.0	17.4
20°-30°	106.3	20.1
30°-40°	96.3	18.2
40°-50°	77.7	14.7
50°-60°	57.2	10.8
60°-70°	37.7	7.1
70°-80°	19.4	3.7
80°-90°	4.4	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°	236.4	44.7
0°-40°	332.7	62.9
0°-60°	467.6	88.4
0°-90°	529.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	529.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	422	422	422	422	422	
5°	410	412	410	410	410	38
15°	330	330	330	330	330	92
25°	232	231	231	232	231	106
35°	153	153	153	153	154	96
45°	100	100	100	100	100	78
55°	64	64	64	63	64	57
65°	38	38	38	38	38	38
75°	19	18	18	18	18	20
85°	4	4	4	4	4	5
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	422.5	422.5	422.5	422.5	422.5
1°	421.8	423.3	421.8	421.8	422.5
2°	421.1	421.8	421.1	421.1	421.1
3°	418.2	419.6	418.2	418.2	418.2
4°	414.5	416.0	414.5	414.5	414.5
5°	410.2	411.6	410.2	410.2	410.2
6°	405.1	405.8	405.1	405.1	405.1
7°	399.3	400.0	399.3	399.3	400.0
8°	392.0	392.8	392.8	392.0	392.0
9°	384.8	385.5	385.5	384.8	385.5
10°	376.8	377.5	377.5	376.8	376.8
11°	368.8	369.5	368.1	368.1	368.8
12°	359.4	360.1	359.4	359.4	359.4
13°	349.9	349.9	349.9	349.9	349.9
14°	339.0	340.5	340.5	339.8	339.0
15°	329.6	330.3	330.3	329.6	330.3
17.5°	304.2	305.6	304.9	304.9	304.9
20°	278.8	279.5	279.5	278.8	278.8
22.5°	254.8	254.1	254.1	254.1	254.1
25°	231.6	230.9	230.9	231.6	230.9
27.5°	209.1	209.8	209.8	209.1	209.8
30°	188.8	188.8	189.5	188.8	190.2
32.5°	170.6	170.6	169.9	170.6	170.6
35°	153.2	153.2	153.2	153.2	153.9
37.5°	137.2	137.9	138.7	138.7	137.9
40°	124.1	124.1	124.1	124.1	124.1
42.5°	111.1	111.1	111.8	111.8	111.8
45°	100.2	100.2	100.2	100.2	100.2
47.5°	90.0	90.0	89.3	89.3	90.0
50°	79.9	80.6	79.9	79.9	80.6
52.5°	71.9	71.1	71.1	71.9	71.9
55°	63.9	63.9	63.9	63.2	63.9
57.5°	56.6	56.6	55.9	55.9	55.9
60°	49.4	49.4	49.4	49.4	49.4
62.5°	43.6	43.6	43.6	43.6	43.6
65°	37.8	37.8	37.8	37.8	37.8
67.5°	32.7	32.7	32.7	32.7	31.9
70°	27.6	27.6	26.9	26.9	27.6
72.5°	22.5	22.5	22.5	22.5	22.5
75°	18.9	18.2	18.2	18.2	18.2
77.5°	14.5	14.5	13.8	14.5	13.8
80°	10.2	10.2	10.2	10.2	10.2
82.5°	7.3	6.5	6.5	6.5	6.5
85°	3.6	3.6	3.6	3.6	3.6
87.5°	0.7	0.7	0.7	0.7	1.5



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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)