

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: P1317256

Luminaire Tested: P3SQAS17R259830DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317256
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: P3SQAS17R259830DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

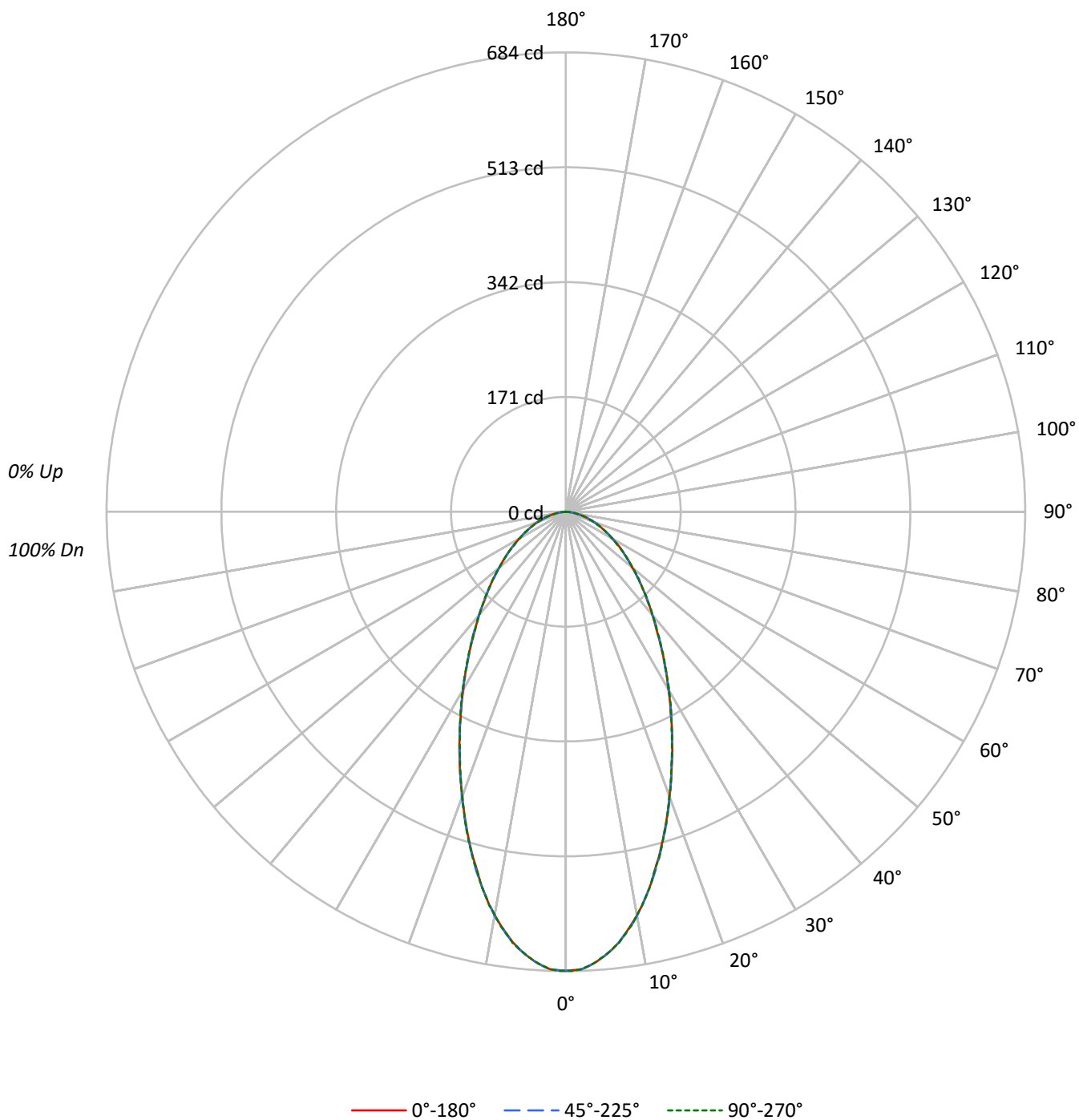
Lumens per Lamp: N/A
Luminaire Lumens: 856.0 lumens
Efficiency: N/A
Efficacy: 42.0 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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°	117749	117749	117749
5°	114741	114741	114741
10°	106624	106834	106624
15°	95086	95300	95300
20°	82676	82896	82676
25°	71222	70994	70994
30°	60734	60972	61211
35°	52120	52120	52372
40°	45166	45166	45166
45°	39481	39481	39481
50°	34617	34617	34938
55°	31047	31047	31047
60°	27521	27521	27521
65°	24899	24899	24899
70°	22458	21904	22458
75°	20295	19563	19563
80°	16265	16265	16265
85°	11659	11659	11659

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 39481 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.7	7.2
10°-20°	148.8	17.4
20°-30°	172.0	20.1
30°-40°	155.9	18.2
40°-50°	125.7	14.7
50°-60°	92.5	10.8
60°-70°	60.9	7.1
70°-80°	31.4	3.7
80°-90°	7.1	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°	382.5	44.7
0°-40°	538.4	62.9
0°-60°	756.6	88.4
0°-90°	856.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	856.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	684	684	684	684	684	
5°	664	666	664	664	664	62
15°	533	534	534	533	534	149
25°	375	374	374	375	374	172
35°	248	248	248	248	249	156
45°	162	162	162	162	162	126
55°	103	103	103	102	103	93
65°	61	61	61	61	61	61
75°	30	29	29	29	29	32
85°	6	6	6	6	6	7
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	683.7	683.7	683.7	683.7	683.7
1°	682.5	684.9	682.5	682.5	683.7
2°	681.4	682.5	681.4	681.4	681.4
3°	676.7	679.0	676.7	676.7	676.7
4°	670.8	673.1	670.8	670.8	670.8
5°	663.7	666.1	663.7	663.7	663.7
6°	655.5	656.7	655.5	655.5	655.5
7°	646.1	647.3	646.1	646.1	647.3
8°	634.4	635.6	635.6	634.4	634.4
9°	622.6	623.8	623.8	622.6	623.8
10°	609.7	610.9	610.9	609.7	609.7
11°	596.8	598.0	595.6	595.6	596.8
12°	581.5	582.7	581.5	581.5	581.5
13°	566.2	566.2	566.2	566.2	566.2
14°	548.6	551.0	551.0	549.8	548.6
15°	533.3	534.5	534.5	533.3	534.5
17.5°	492.2	494.6	493.4	493.4	493.4
20°	451.1	452.3	452.3	451.1	451.1
22.5°	412.3	411.2	411.2	411.2	411.2
25°	374.8	373.6	373.6	374.8	373.6
27.5°	338.3	339.5	339.5	338.3	339.5
30°	305.4	305.4	306.6	305.4	307.8
32.5°	276.1	276.1	274.9	276.1	276.1
35°	247.9	247.9	247.9	247.9	249.1
37.5°	222.0	223.2	224.4	224.4	223.2
40°	200.9	200.9	200.9	200.9	200.9
42.5°	179.7	179.7	180.9	180.9	180.9
45°	162.1	162.1	162.1	162.1	162.1
47.5°	145.7	145.7	144.5	144.5	145.7
50°	129.2	130.4	129.2	129.2	130.4
52.5°	116.3	115.1	115.1	116.3	116.3
55°	103.4	103.4	103.4	102.2	103.4
57.5°	91.6	91.6	90.5	90.5	90.5
60°	79.9	79.9	79.9	79.9	79.9
62.5°	70.5	70.5	70.5	70.5	70.5
65°	61.1	61.1	61.1	61.1	61.1
67.5°	52.9	52.9	52.9	52.9	51.7
70°	44.6	44.6	43.5	43.5	44.6
72.5°	36.4	36.4	36.4	36.4	36.4
75°	30.5	29.4	29.4	29.4	29.4
77.5°	23.5	23.5	22.3	23.5	22.3
80°	16.4	16.4	16.4	16.4	16.4
82.5°	11.7	10.6	10.6	10.6	10.6
85°	5.9	5.9	5.9	5.9	5.9
87.5°	1.2	1.2	1.2	1.2	2.3



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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)