

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: P1316414

Luminaire Tested: P3SQAS17R359827DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316414
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R359827DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

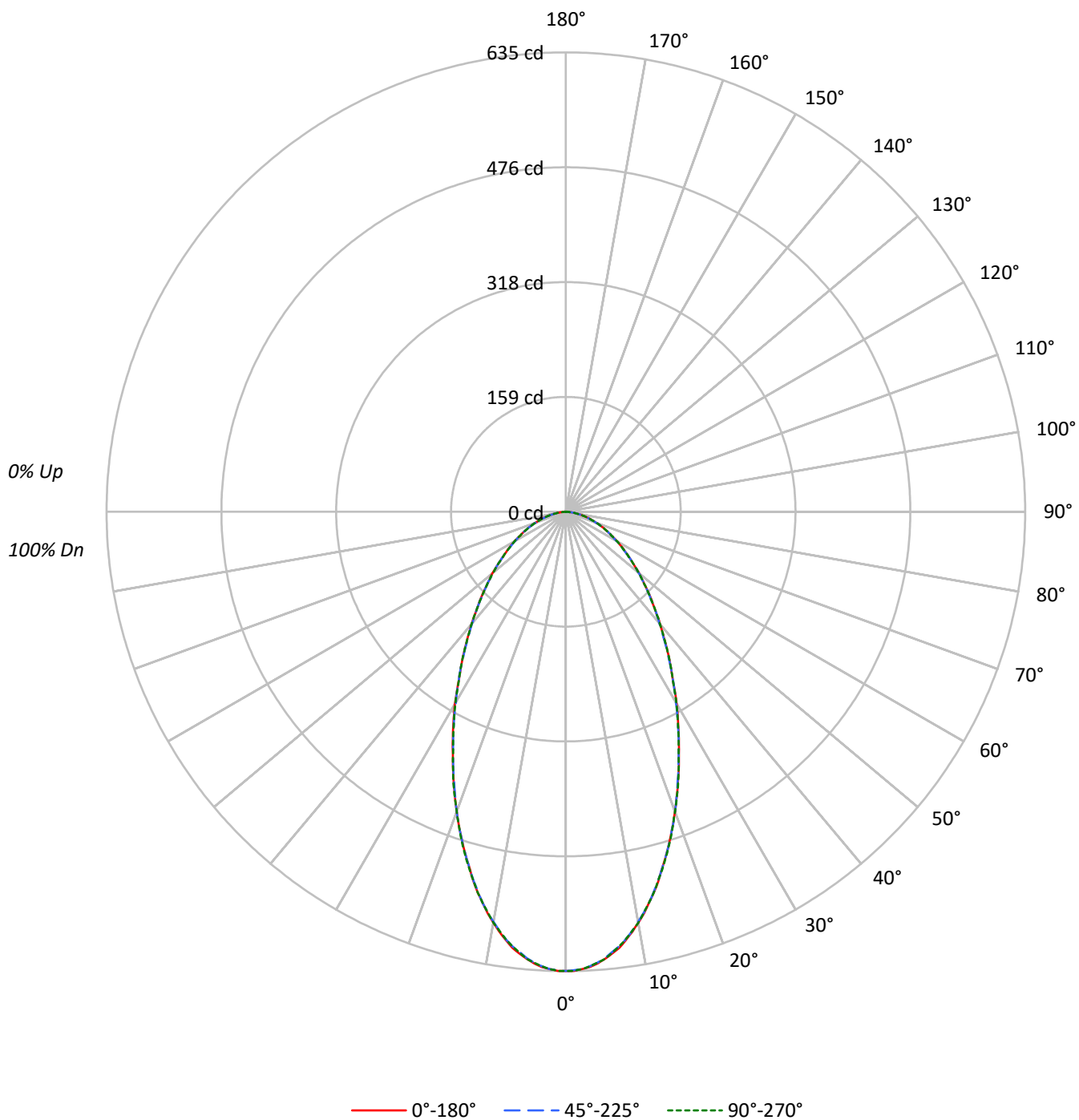
Lumens per Lamp: N/A
Luminaire Lumens: 848.0 lumens
Efficiency: N/A
Efficacy: 41.6 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	109327	109327	109327
5°	107272	107082	107272
10°	100870	100678	100870
15°	91324	91324	91520
20°	80824	80824	80824
25°	70291	70082	70082
30°	60932	60495	60714
35°	52456	52225	52456
40°	45526	45279	45526
45°	39992	39725	39725
50°	35474	35179	35179
55°	31227	31227	31227
60°	28279	27900	28279
65°	25429	25429	25429
70°	22609	22609	22609
75°	20362	19630	20362
80°	17356	17356	17356
85°	10868	10868	10868

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 39992 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.7	6.8
10°-20°	142.9	16.8
20°-30°	169.8	20.0
30°-40°	156.0	18.4
40°-50°	126.7	14.9
50°-60°	93.7	11.1
60°-70°	61.9	7.3
70°-80°	32.1	3.8
80°-90°	7.2	0.9
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°	370.4	43.7
0°-40°	526.4	62.1
0°-60°	746.8	88.1
0°-90°	848.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	848.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	635	635	635	635	635	
5°	620	619	619	619	620	58
15°	512	512	512	512	513	143
25°	370	369	369	370	369	170
35°	250	248	248	250	250	156
45°	164	163	163	163	163	127
55°	104	104	104	104	104	94
65°	62	62	62	62	62	62
75°	31	31	30	31	31	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°	634.8	634.8	634.8	634.8	634.8
1°	634.8	633.7	633.7	633.7	634.8
2°	632.6	632.6	632.6	632.6	632.6
3°	630.4	629.3	629.3	629.3	629.3
4°	626.0	624.9	624.9	624.9	624.9
5°	620.5	619.4	619.4	619.4	620.5
6°	614.0	612.9	611.8	611.8	612.9
7°	607.4	605.2	605.2	605.2	605.2
8°	597.6	596.5	596.5	596.5	596.5
9°	587.7	585.5	586.6	586.6	586.6
10°	576.8	575.7	575.7	575.7	576.8
11°	565.8	564.7	564.7	563.6	564.7
12°	552.7	552.7	552.7	552.7	552.7
13°	540.6	539.5	539.5	539.5	540.6
14°	527.5	526.4	526.4	526.4	526.4
15°	512.2	512.2	512.2	512.2	513.3
17.5°	477.2	476.1	477.2	477.2	478.3
20°	441.0	440.0	441.0	441.0	441.0
22.5°	404.9	404.9	403.8	404.9	406.0
25°	369.9	368.8	368.8	369.9	368.8
27.5°	337.1	336.0	336.0	336.0	336.0
30°	306.4	304.2	304.2	305.3	305.3
32.5°	274.7	274.7	275.8	274.7	274.7
35°	249.5	248.4	248.4	249.5	249.5
37.5°	224.4	223.3	223.3	224.4	224.4
40°	202.5	202.5	201.4	202.5	202.5
42.5°	181.7	181.7	181.7	181.7	181.7
45°	164.2	163.1	163.1	163.1	163.1
47.5°	146.7	146.7	146.7	145.6	146.7
50°	132.4	131.3	131.3	131.3	131.3
52.5°	117.1	117.1	117.1	117.1	117.1
55°	104.0	104.0	104.0	104.0	104.0
57.5°	93.0	91.9	91.9	91.9	91.9
60°	82.1	82.1	81.0	82.1	82.1
62.5°	71.1	71.1	71.1	71.1	71.1
65°	62.4	62.4	62.4	62.4	62.4
67.5°	53.6	53.6	53.6	53.6	53.6
70°	44.9	44.9	44.9	44.9	44.9
72.5°	38.3	37.2	37.2	37.2	37.2
75°	30.6	30.6	29.5	30.6	30.6
77.5°	23.0	23.0	23.0	23.0	23.0
80°	17.5	17.5	17.5	16.4	17.5
82.5°	10.9	10.9	10.9	10.9	10.9
85°	5.5	5.5	5.5	5.5	5.5
87.5°	1.1	1.1	1.1	2.2	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)