

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: P1316380

Luminaire Tested: P3SQAS17R259827DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316380
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: P3SQAS17R259827DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

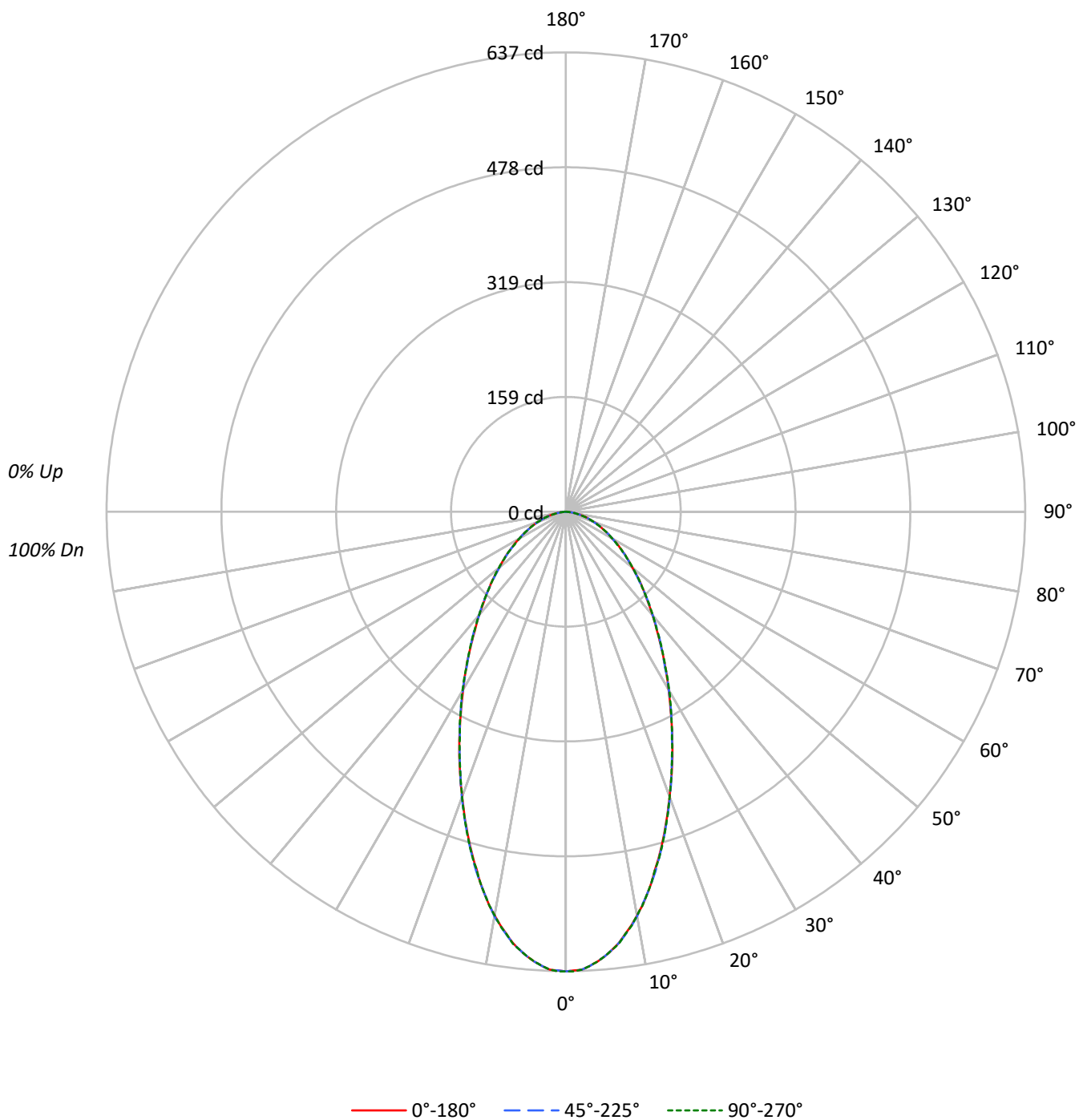
Lumens per Lamp: N/A
Luminaire Lumens: 798.0 lumens
Efficiency: N/A
Efficacy: 39.1 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47
8	68	56	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40
10	61	49	42	37	60	49	42	37	48	42	37	47	41	37	46	41	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	109775	109775	109775
5°	106978	106978	106978
10°	99401	99594	99401
15°	88650	88846	88846
20°	77067	77269	77067
25°	66395	66186	66186
30°	56617	56836	57055
35°	48588	48588	48819
40°	42109	42109	42109
45°	36802	36802	36802
50°	32286	32286	32580
55°	28945	28945	28945
60°	25661	25661	25661
65°	23188	23188	23188
70°	20947	20394	20947
75°	18964	18232	18232
80°	15174	15174	15174
85°	10868	10868	10868

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 36802 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.5	7.2
10°-20°	138.7	17.4
20°-30°	160.3	20.1
30°-40°	145.4	18.2
40°-50°	117.2	14.7
50°-60°	86.3	10.8
60°-70°	56.8	7.1
70°-80°	29.3	3.7
80°-90°	6.6	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°	356.5	44.7
0°-40°	501.9	62.9
0°-60°	705.3	88.4
0°-90°	798.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	798.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	637	637	637	637	637	
5°	619	621	619	619	619	57
15°	497	498	498	497	498	139
25°	349	348	348	349	348	160
35°	231	231	231	231	232	145
45°	151	151	151	151	151	117
55°	96	96	96	95	96	87
65°	57	57	57	57	57	57
75°	28	27	27	27	27	30
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°	637.4	637.4	637.4	637.4	637.4
1°	636.3	638.5	636.3	636.3	637.4
2°	635.2	636.3	635.2	635.2	635.2
3°	630.8	633.0	630.8	630.8	630.8
4°	625.3	627.5	625.3	625.3	625.3
5°	618.8	621.0	618.8	618.8	618.8
6°	611.1	612.2	611.1	611.1	611.1
7°	602.3	603.4	602.3	602.3	603.4
8°	591.4	592.5	592.5	591.4	591.4
9°	580.4	581.5	581.5	580.4	581.5
10°	568.4	569.5	569.5	568.4	568.4
11°	556.3	557.4	555.3	555.3	556.3
12°	542.1	543.2	542.1	542.1	542.1
13°	527.9	527.9	527.9	527.9	527.9
14°	511.4	513.6	513.6	512.5	511.4
15°	497.2	498.3	498.3	497.2	498.3
17.5°	458.9	461.1	460.0	460.0	460.0
20°	420.5	421.6	421.6	420.5	420.5
22.5°	384.4	383.3	383.3	383.3	383.3
25°	349.4	348.3	348.3	349.4	348.3
27.5°	315.4	316.5	316.5	315.4	316.5
30°	284.7	284.7	285.8	284.7	286.9
32.5°	257.4	257.4	256.3	257.4	257.4
35°	231.1	231.1	231.1	231.1	232.2
37.5°	207.0	208.1	209.2	209.2	208.1
40°	187.3	187.3	187.3	187.3	187.3
42.5°	167.6	167.6	168.7	168.7	168.7
45°	151.1	151.1	151.1	151.1	151.1
47.5°	135.8	135.8	134.7	134.7	135.8
50°	120.5	121.6	120.5	120.5	121.6
52.5°	108.4	107.3	107.3	108.4	108.4
55°	96.4	96.4	96.4	95.3	96.4
57.5°	85.4	85.4	84.3	84.3	84.3
60°	74.5	74.5	74.5	74.5	74.5
62.5°	65.7	65.7	65.7	65.7	65.7
65°	56.9	56.9	56.9	56.9	56.9
67.5°	49.3	49.3	49.3	49.3	48.2
70°	41.6	41.6	40.5	40.5	41.6
72.5°	34.0	34.0	34.0	34.0	34.0
75°	28.5	27.4	27.4	27.4	27.4
77.5°	21.9	21.9	20.8	21.9	20.8
80°	15.3	15.3	15.3	15.3	15.3
82.5°	11.0	9.9	9.9	9.9	9.9
85°	5.5	5.5	5.5	5.5	5.5
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)