

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: P1307202

Luminaire Tested: P3SQAS20R309027D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307202
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309027D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

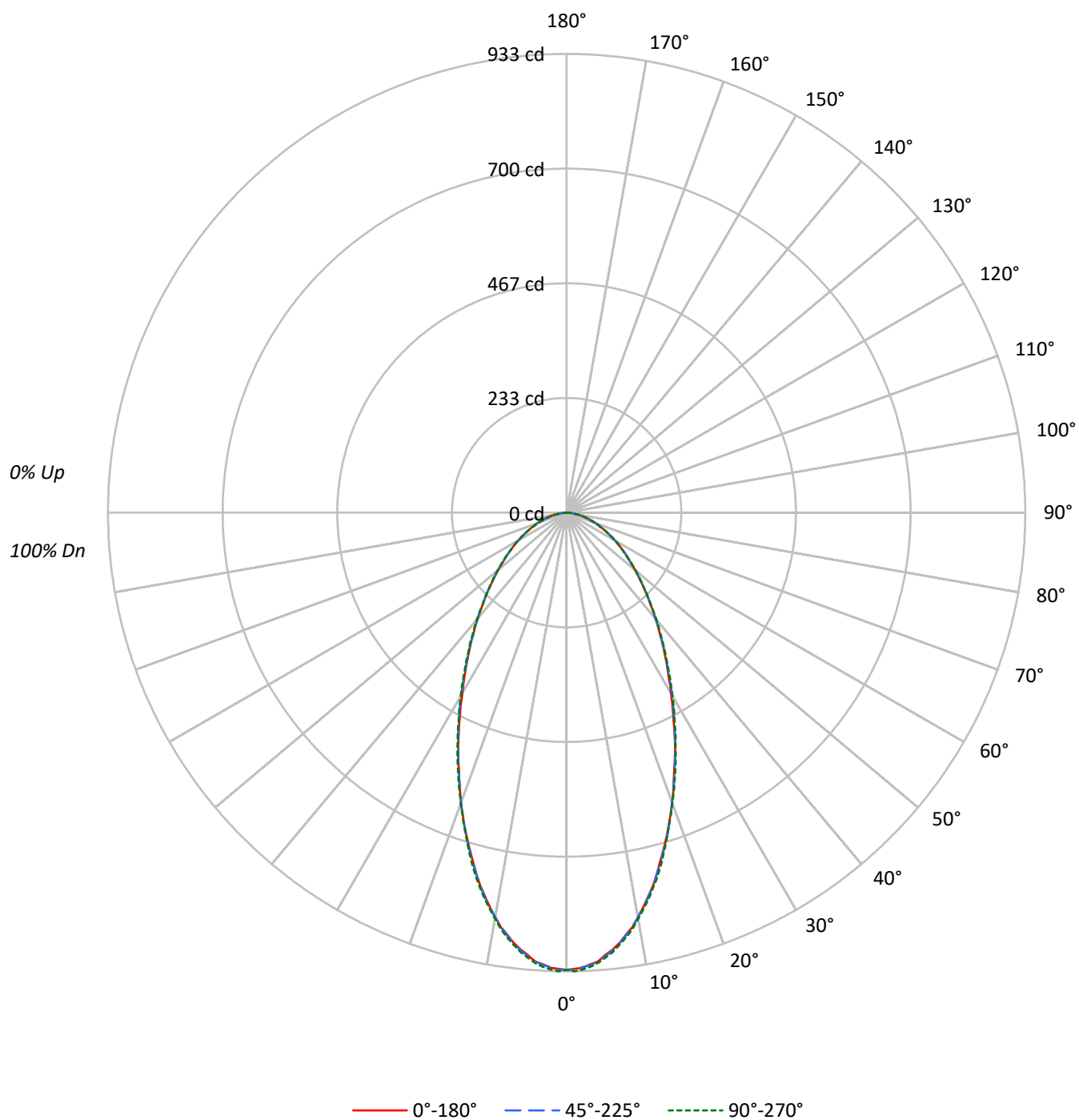
Lumens per Lamp: N/A
Luminaire Lumens: 1194.0 lumens
Efficiency: N/A
Efficacy: 41.5 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	103	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	90	85	100	94	89	84	91	86	83		87	84	81		85
3	95	86	80	74	93	85	79	73	82	77	72		79	75	71		77
4	89	78	71	65	86	77	70	65	75	69	64		73	67	63		71
5	83	72	64	58	81	71	63	58	69	62	57		67	61	57		65
6	77	66	58	52	76	65	58	52	63	57	52		62	56	51		60
7	72	61	53	48	71	60	53	47	58	52	47		57	51	47		56
8	68	56	49	44	67	56	48	43	54	48	43		53	47	43		52
9	64	52	45	40	63	52	45	40	51	44	40		50	44	40		49
10	61	49	42	37	60	48	42	37	48	41	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	160150	160150	160150
5°	156180	156474	157045
10°	146147	146147	146724
15°	131049	131334	132226
20°	115024	115024	115335
25°	99175	99175	99802
30°	84418	85393	85731
35°	72913	73270	73607
40°	63130	63489	63872
45°	55118	55507	55507
50°	48683	48683	49112
55°	43628	43628	43628
60°	39267	39267	39267
65°	35005	35005	35005
70°	31623	31623	31623
75°	28546	27482	27482
80°	24596	22910	22910
85°	16401	16401	16401

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 55507 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.2	7.1
10°-20°	205.3	17.2
20°-30°	239.8	20.1
30°-40°	218.2	18.3
40°-50°	176.3	14.8
50°-60°	130.2	10.9
60°-70°	85.7	7.2
70°-80°	44.3	3.7
80°-90°	10.1	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°	529.3	44.3
0°-40°	747.5	62.6
0°-60°	1053.9	88.3
0°-90°	1194.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1194.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	930	930	930	930	930	
5°	903	903	905	905	908	84
15°	735	737	737	737	742	205
25°	522	520	522	522	525	239
35°	347	345	348	348	350	217
45°	226	228	228	228	228	176
55°	145	144	145	144	145	130
65°	86	86	86	86	86	86
75°	43	41	41	41	41	45
85°	8	8	8	8	8	10
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	929.9	929.9	929.9	929.9	929.9
1°	928.2	928.2	929.9	928.2	933.2
2°	926.6	924.9	924.9	924.9	929.9
3°	920.0	920.0	921.6	920.0	924.9
4°	915.0	913.4	915.0	913.4	918.3
5°	903.4	903.4	905.1	905.1	908.4
6°	893.5	893.5	895.2	893.5	898.5
7°	882.0	882.0	882.0	882.0	885.3
8°	867.1	867.1	868.8	868.8	872.1
9°	853.9	852.2	852.2	852.2	857.2
10°	835.7	835.7	835.7	835.7	839.0
11°	817.6	817.6	817.6	817.6	820.9
12°	797.7	797.7	799.4	797.7	802.7
13°	779.6	779.6	779.6	779.6	782.9
14°	758.1	756.4	758.1	758.1	763.1
15°	735.0	736.6	736.6	736.6	741.6
17.5°	682.1	682.1	683.8	680.5	683.8
20°	627.6	626.0	627.6	627.6	629.3
22.5°	571.5	573.1	573.1	573.1	576.4
25°	521.9	520.3	521.9	521.9	525.2
27.5°	470.7	472.4	474.0	472.4	475.7
30°	424.5	427.8	429.4	426.1	431.1
32.5°	383.2	383.2	384.8	386.5	388.1
35°	346.8	345.2	348.5	348.5	350.1
37.5°	312.2	312.2	312.2	313.8	315.5
40°	280.8	280.8	282.4	282.4	284.1
42.5°	252.7	251.0	252.7	252.7	252.7
45°	226.3	227.9	227.9	227.9	227.9
47.5°	203.2	203.2	204.8	203.2	204.8
50°	181.7	181.7	181.7	181.7	183.3
52.5°	161.9	161.9	161.9	161.9	163.5
55°	145.3	143.7	145.3	143.7	145.3
57.5°	128.8	128.8	128.8	128.8	128.8
60°	114.0	112.3	114.0	112.3	114.0
62.5°	99.1	99.1	99.1	99.1	99.1
65°	85.9	85.9	85.9	85.9	85.9
67.5°	74.3	74.3	74.3	72.7	72.7
70°	62.8	62.8	62.8	62.8	62.8
72.5°	52.9	51.2	51.2	51.2	51.2
75°	42.9	41.3	41.3	41.3	41.3
77.5°	33.0	33.0	31.4	31.4	33.0
80°	24.8	23.1	23.1	23.1	23.1
82.5°	14.9	14.9	14.9	14.9	14.9
85°	8.3	8.3	8.3	8.3	8.3
87.5°	1.7	1.7	1.7	3.3	3.3



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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)