

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: P1308320

Luminaire Tested: P3SQAS20R309030D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308320
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: P3SQAS20R309030D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

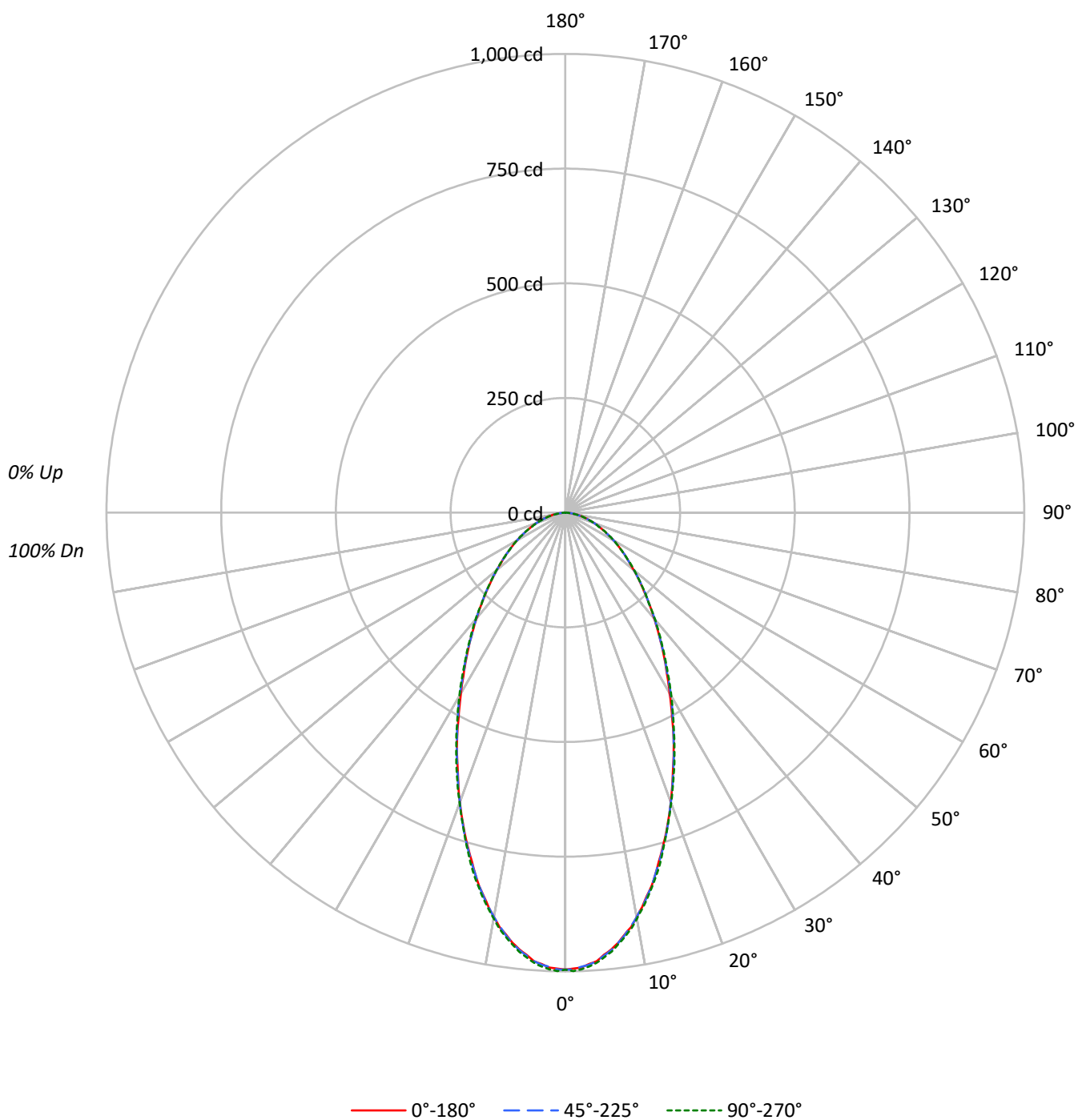
Lumens per Lamp: N/A
Luminaire Lumens: 1279.0 lumens
Efficiency: N/A
Efficacy: 44.4 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	74	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°	171551	171551	171551
5°	167314	167608	168230
10°	156552	156552	157182
15°	140374	140695	141640
20°	123216	123216	123546
25°	106244	106244	106909
30°	90424	91478	91836
35°	78106	78484	78863
40°	67626	68008	68413
45°	59039	59477	59477
50°	52139	52139	52622
55°	46751	46751	46751
60°	42057	42057	42057
65°	37491	37491	37491
70°	33838	33838	33838
75°	30609	29411	29411
80°	26282	24596	24596
85°	17389	17389	17389

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 59477 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.2	7.1
10°-20°	219.9	17.2
20°-30°	256.9	20.1
30°-40°	233.7	18.3
40°-50°	188.8	14.8
50°-60°	139.4	10.9
60°-70°	91.8	7.2
70°-80°	47.5	3.7
80°-90°	10.8	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°	567.0	44.3
0°-40°	800.7	62.6
0°-60°	1129.0	88.3
0°-90°	1279.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1279.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	996	996	996	996	996	
5°	968	968	970	970	973	90
15°	787	789	789	789	794	220
25°	559	557	559	559	563	256
35°	372	370	373	373	375	233
45°	242	244	244	244	244	188
55°	156	154	156	154	156	140
65°	92	92	92	92	92	92
75°	46	44	44	44	44	49
85°	9	9	9	9	9	11
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	996.1	996.1	996.1	996.1	996.1
1°	994.3	994.3	996.1	994.3	999.6
2°	992.5	990.8	990.8	990.8	996.1
3°	985.4	985.4	987.2	985.4	990.8
4°	980.1	978.4	980.1	978.4	983.7
5°	967.8	967.8	969.5	969.5	973.1
6°	957.1	957.1	958.9	957.1	962.4
7°	944.8	944.8	944.8	944.8	948.3
8°	928.8	928.8	930.6	930.6	934.1
9°	914.7	912.9	912.9	912.9	918.2
10°	895.2	895.2	895.2	895.2	898.8
11°	875.8	875.8	875.8	875.8	879.3
12°	854.5	854.5	856.3	854.5	859.8
13°	835.1	835.1	835.1	835.1	838.6
14°	812.1	810.3	812.1	812.1	817.4
15°	787.3	789.1	789.1	789.1	794.4
17.5°	730.7	730.7	732.5	728.9	732.5
20°	672.3	670.5	672.3	672.3	674.1
22.5°	612.1	613.9	613.9	613.9	617.5
25°	559.1	557.3	559.1	559.1	562.6
27.5°	504.2	506.0	507.8	506.0	509.5
30°	454.7	458.2	460.0	456.5	461.8
32.5°	410.5	410.5	412.2	414.0	415.8
35°	371.5	369.8	373.3	373.3	375.1
37.5°	334.4	334.4	334.4	336.1	337.9
40°	300.8	300.8	302.5	302.5	304.3
42.5°	270.7	268.9	270.7	270.7	270.7
45°	242.4	244.2	244.2	244.2	244.2
47.5°	217.6	217.6	219.4	217.6	219.4
50°	194.6	194.6	194.6	194.6	196.4
52.5°	173.4	173.4	173.4	173.4	175.2
55°	155.7	153.9	155.7	153.9	155.7
57.5°	138.0	138.0	138.0	138.0	138.0
60°	122.1	120.3	122.1	120.3	122.1
62.5°	106.2	106.2	106.2	106.2	106.2
65°	92.0	92.0	92.0	92.0	92.0
67.5°	79.6	79.6	79.6	77.8	77.8
70°	67.2	67.2	67.2	67.2	67.2
72.5°	56.6	54.8	54.8	54.8	54.8
75°	46.0	44.2	44.2	44.2	44.2
77.5°	35.4	35.4	33.6	33.6	35.4
80°	26.5	24.8	24.8	24.8	24.8
82.5°	15.9	15.9	15.9	15.9	15.9
85°	8.8	8.8	8.8	8.8	8.8
87.5°	1.8	1.8	1.8	3.5	3.5



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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)