

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: P1309421

Luminaire Tested: P3SQAS20R259035D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309421
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: P3SQAS20R259035D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

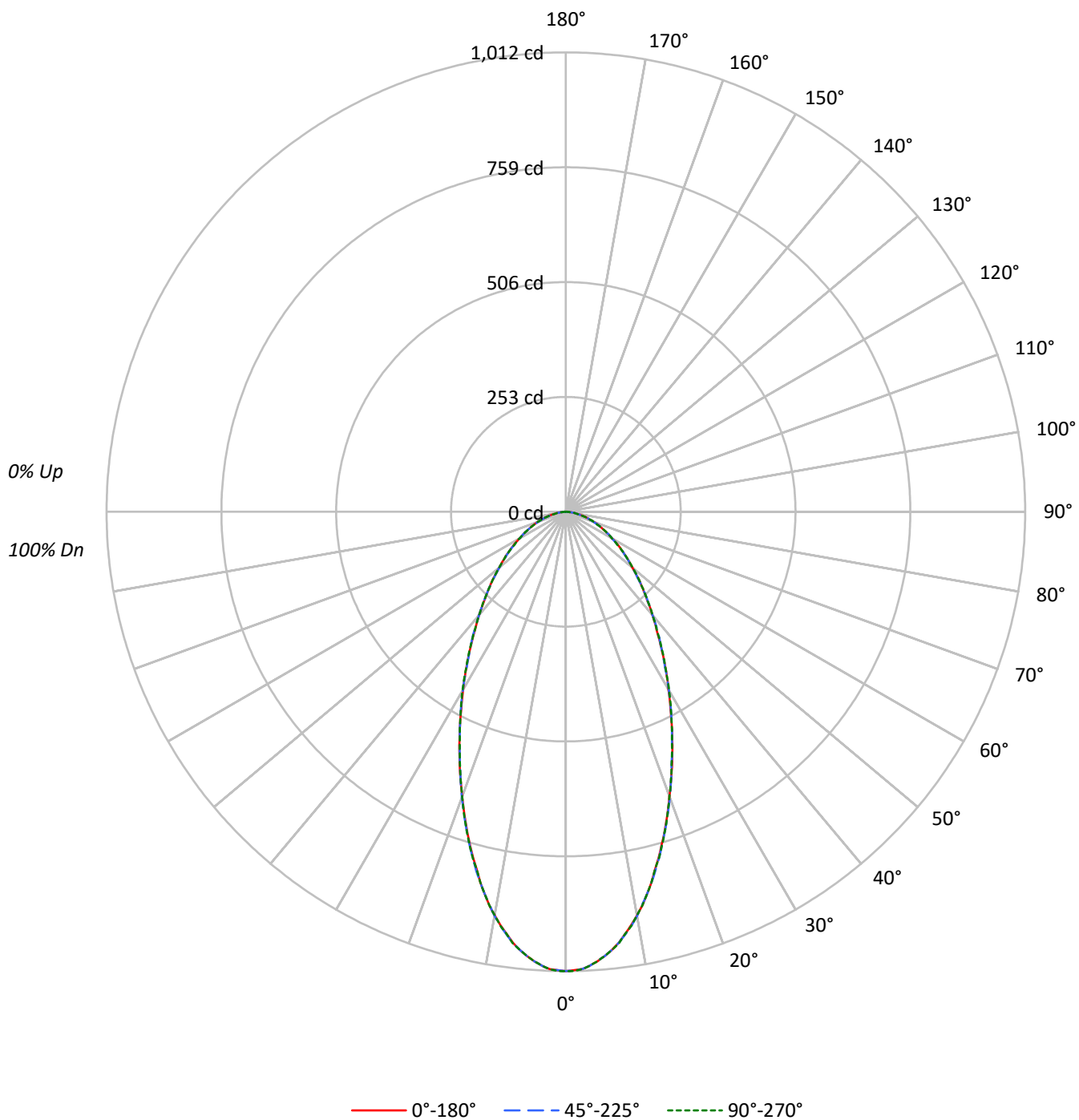
Lumens per Lamp: N/A
Luminaire Lumens: 1266.9 lumens
Efficiency: N/A
Efficacy: 44.0 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	174289	174289	174289
5°	169838	169838	169838
10°	157829	158126	157829
15°	140748	141069	141069
20°	122373	122703	122373
25°	105408	105066	105066
30°	89907	90245	90603
35°	77139	77139	77496
40°	66839	66839	66839
45°	58454	58454	58454
50°	51255	51255	51711
55°	45940	45940	45940
60°	40713	40713	40713
65°	36839	36839	36839
70°	33284	32378	33284
75°	30077	28946	28946
80°	24101	24101	24101
85°	17191	17191	17191

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 58454 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.3	7.2
10°-20°	220.2	17.4
20°-30°	254.6	20.1
30°-40°	230.8	18.2
40°-50°	186.0	14.7
50°-60°	137.0	10.8
60°-70°	90.1	7.1
70°-80°	46.5	3.7
80°-90°	10.5	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°	566.1	44.7
0°-40°	796.9	62.9
0°-60°	1119.8	88.4
0°-90°	1266.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1266.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1012	1012	1012	1012	1012	
5°	982	986	982	982	982	91
15°	789	791	791	789	791	220
25°	555	553	553	555	553	255
35°	367	367	367	367	369	230
45°	240	240	240	240	240	186
55°	153	153	153	151	153	137
65°	90	90	90	90	90	90
75°	45	44	44	44	44	47
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°	1012.0	1012.0	1012.0	1012.0	1012.0
1°	1010.3	1013.7	1010.3	1010.3	1012.0
2°	1008.5	1010.3	1008.5	1008.5	1008.5
3°	1001.6	1005.0	1001.6	1001.6	1001.6
4°	992.9	996.4	992.9	992.9	992.9
5°	982.4	985.9	982.4	982.4	982.4
6°	970.3	972.0	970.3	970.3	970.3
7°	956.4	958.1	956.4	956.4	958.1
8°	939.0	940.7	940.7	939.0	939.0
9°	921.6	923.3	923.3	921.6	923.3
10°	902.5	904.2	904.2	902.5	902.5
11°	883.3	885.1	881.6	881.6	883.3
12°	860.7	862.5	860.7	860.7	860.7
13°	838.1	838.1	838.1	838.1	838.1
14°	812.0	815.5	815.5	813.8	812.0
15°	789.4	791.2	791.2	789.4	791.2
17.5°	728.6	732.0	730.3	730.3	730.3
20°	667.7	669.5	669.5	667.7	667.7
22.5°	610.3	608.6	608.6	608.6	608.6
25°	554.7	552.9	552.9	554.7	552.9
27.5°	500.8	502.5	502.5	500.8	502.5
30°	452.1	452.1	453.8	452.1	455.6
32.5°	408.6	408.6	406.9	408.6	408.6
35°	366.9	366.9	366.9	366.9	368.6
37.5°	328.6	330.4	332.1	332.1	330.4
40°	297.3	297.3	297.3	297.3	297.3
42.5°	266.0	266.0	267.8	267.8	267.8
45°	240.0	240.0	240.0	240.0	240.0
47.5°	215.6	215.6	213.9	213.9	215.6
50°	191.3	193.0	191.3	191.3	193.0
52.5°	172.1	170.4	170.4	172.1	172.1
55°	153.0	153.0	153.0	151.3	153.0
57.5°	135.6	135.6	133.9	133.9	133.9
60°	118.2	118.2	118.2	118.2	118.2
62.5°	104.3	104.3	104.3	104.3	104.3
65°	90.4	90.4	90.4	90.4	90.4
67.5°	78.2	78.2	78.2	78.2	76.5
70°	66.1	66.1	64.3	64.3	66.1
72.5°	53.9	53.9	53.9	53.9	53.9
75°	45.2	43.5	43.5	43.5	43.5
77.5°	34.8	34.8	33.0	34.8	33.0
80°	24.3	24.3	24.3	24.3	24.3
82.5°	17.4	15.6	15.6	15.6	15.6
85°	8.7	8.7	8.7	8.7	8.7
87.5°	1.7	1.7	1.7	1.7	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)