

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: P1311616

Luminaire Tested: P3SQAS20R259050D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311616
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: P3SQAS20R259050D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

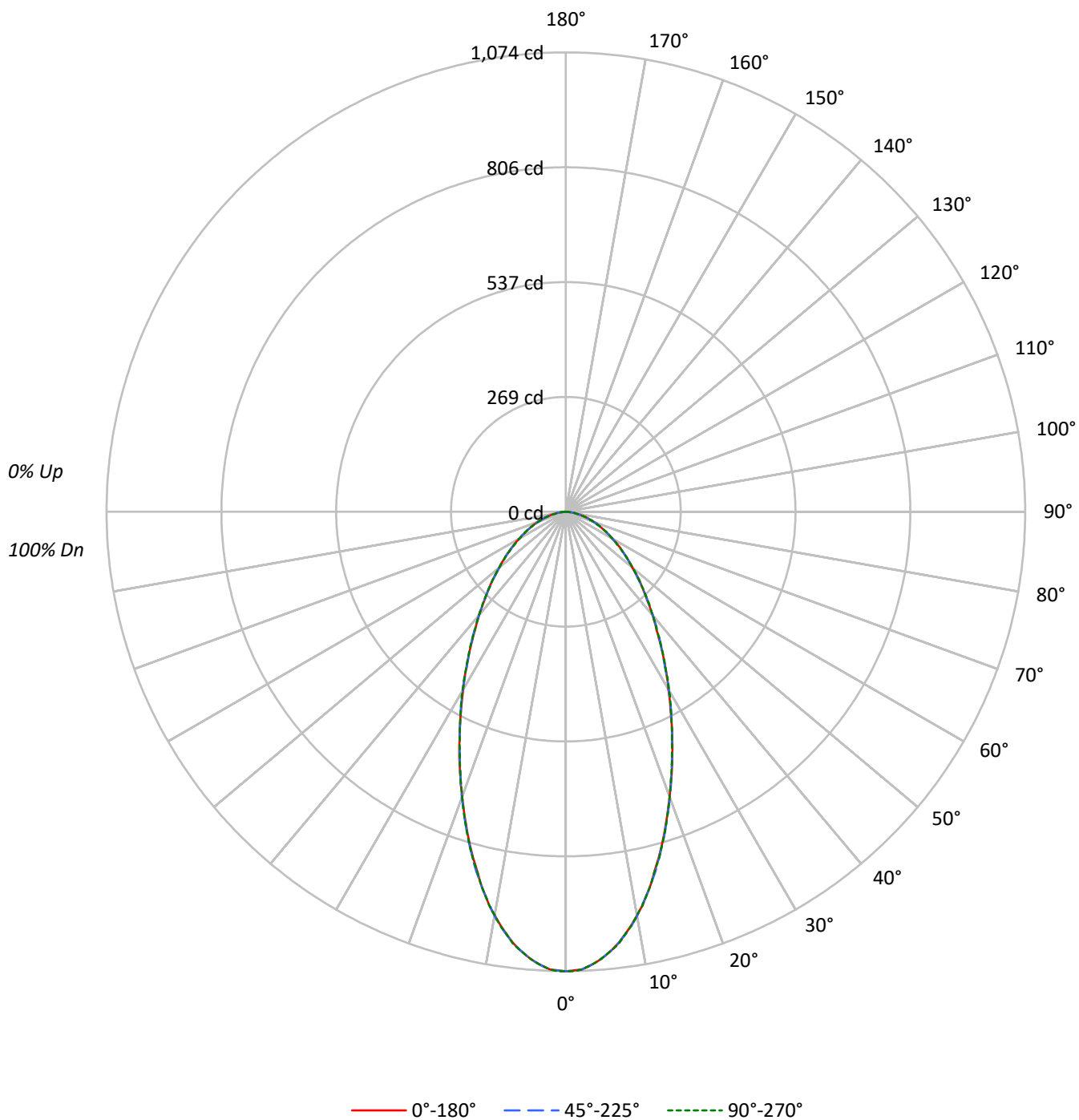
Lumens per Lamp: N/A
Luminaire Lumens: 1344.9 lumens
Efficiency: N/A
Efficacy: 46.7 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	185019	185019	185019
5°	180297	180297	180297
10°	167535	167867	167535
15°	149414	149752	149752
20°	129906	130254	129906
25°	111888	111546	111546
30°	95436	95813	96171
35°	81890	81890	82269
40°	70953	70953	70953
45°	62035	62035	62035
50°	54390	54390	54899
55°	48762	48762	48762
60°	43228	43228	43228
65°	39121	39121	39121
70°	35299	34392	35299
75°	31940	30676	30676
80°	25588	25588	25588
85°	18180	18180	18180

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 62035 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.9	7.2
10°-20°	233.8	17.4
20°-30°	270.2	20.1
30°-40°	245.0	18.2
40°-50°	197.4	14.7
50°-60°	145.4	10.8
60°-70°	95.7	7.1
70°-80°	49.4	3.7
80°-90°	11.1	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°	601.0	44.7
0°-40°	845.9	62.9
0°-60°	1188.8	88.4
0°-90°	1344.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1344.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1074	1074	1074	1074	1074	
5°	1043	1047	1043	1043	1043	97
15°	838	840	840	838	840	233
25°	589	587	587	589	587	270
35°	390	390	390	390	391	245
45°	255	255	255	255	255	197
55°	162	162	162	161	162	146
65°	96	96	96	96	96	96
75°	48	46	46	46	46	50
85°	9	9	9	9	9	12
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1074.3	1074.3	1074.3	1074.3	1074.3
1°	1072.5	1076.1	1072.5	1072.5	1074.3
2°	1070.6	1072.5	1070.6	1070.6	1070.6
3°	1063.2	1066.9	1063.2	1063.2	1063.2
4°	1054.0	1057.7	1054.0	1054.0	1054.0
5°	1042.9	1046.6	1042.9	1042.9	1042.9
6°	1030.0	1031.8	1030.0	1030.0	1030.0
7°	1015.2	1017.1	1015.2	1015.2	1017.1
8°	996.8	998.6	998.6	996.8	996.8
9°	978.3	980.2	980.2	978.3	980.2
10°	958.0	959.9	959.9	958.0	958.0
11°	937.7	939.6	935.9	935.9	937.7
12°	913.7	915.6	913.7	913.7	913.7
13°	889.7	889.7	889.7	889.7	889.7
14°	862.0	865.7	865.7	863.9	862.0
15°	838.0	839.9	839.9	838.0	839.9
17.5°	773.4	777.1	775.3	775.3	775.3
20°	708.8	710.7	710.7	708.8	708.8
22.5°	647.9	646.1	646.1	646.1	646.1
25°	588.8	587.0	587.0	588.8	587.0
27.5°	531.6	533.5	533.5	531.6	533.5
30°	479.9	479.9	481.8	479.9	483.6
32.5°	433.8	433.8	431.9	433.8	433.8
35°	389.5	389.5	389.5	389.5	391.3
37.5°	348.9	350.7	352.6	352.6	350.7
40°	315.6	315.6	315.6	315.6	315.6
42.5°	282.4	282.4	284.3	284.3	284.3
45°	254.7	254.7	254.7	254.7	254.7
47.5°	228.9	228.9	227.0	227.0	228.9
50°	203.0	204.9	203.0	203.0	204.9
52.5°	182.7	180.9	180.9	182.7	182.7
55°	162.4	162.4	162.4	160.6	162.4
57.5°	144.0	144.0	142.1	142.1	142.1
60°	125.5	125.5	125.5	125.5	125.5
62.5°	110.8	110.8	110.8	110.8	110.8
65°	96.0	96.0	96.0	96.0	96.0
67.5°	83.1	83.1	83.1	83.1	81.2
70°	70.1	70.1	68.3	68.3	70.1
72.5°	57.2	57.2	57.2	57.2	57.2
75°	48.0	46.1	46.1	46.1	46.1
77.5°	36.9	36.9	35.1	36.9	35.1
80°	25.8	25.8	25.8	25.8	25.8
82.5°	18.5	16.6	16.6	16.6	16.6
85°	9.2	9.2	9.2	9.2	9.2
87.5°	1.8	1.8	1.8	1.8	3.7



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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)