

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: P1310539

Luminaire Tested: P3SQAS20R259040D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310539
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: P3SQAS20R259040D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

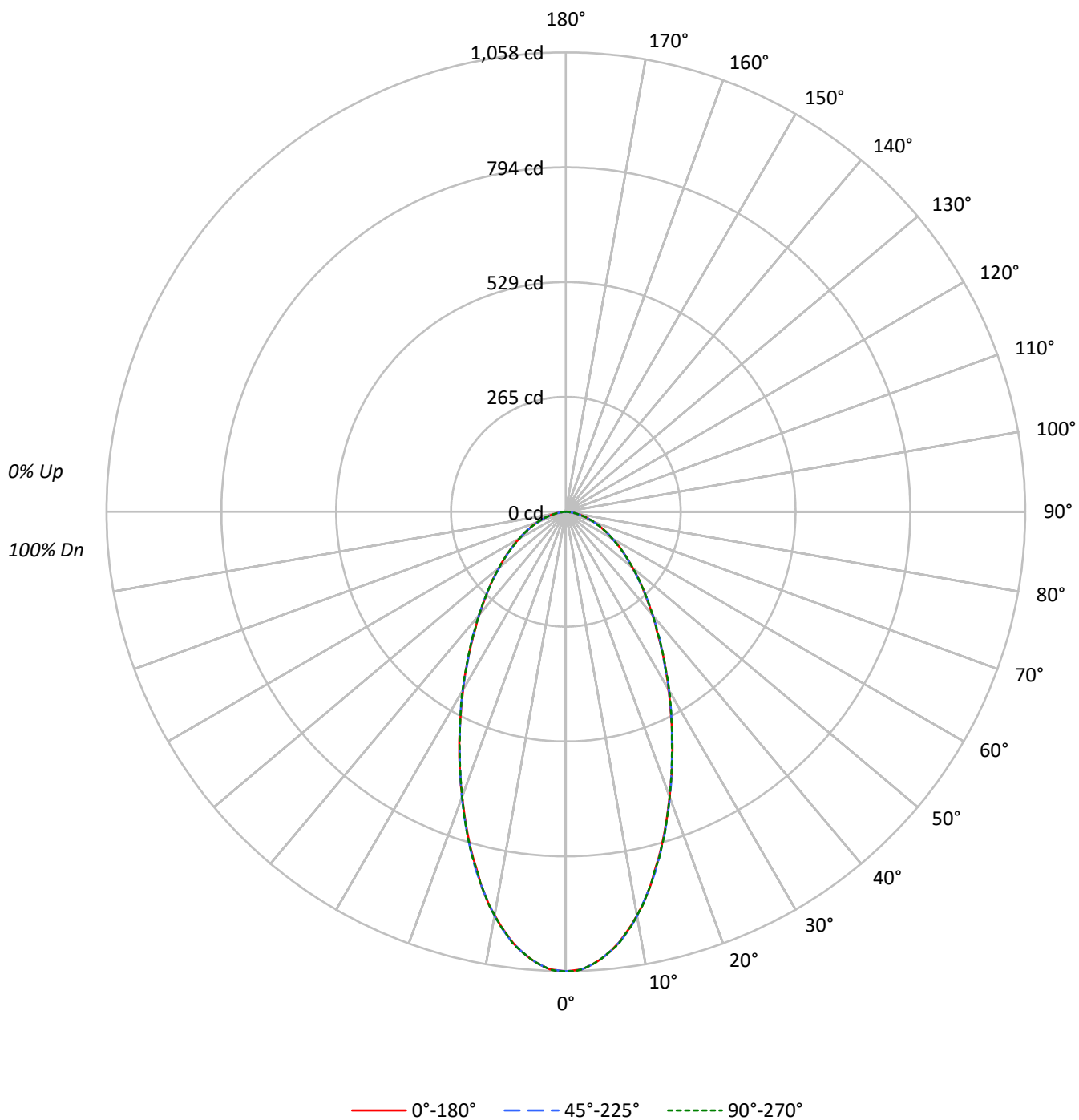
Lumens per Lamp: N/A
Luminaire Lumens: 1325.0 lumens
Efficiency: N/A
Efficacy: 46.0 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	182263	182263	182263
5°	177617	177617	177617
10°	165051	165366	165051
15°	147203	147524	147524
20°	127981	128311	127981
25°	110234	109892	109892
30°	94024	94382	94740
35°	80671	80671	81049
40°	69919	69919	69919
45°	61109	61109	61109
50°	53586	53586	54068
55°	48042	48042	48042
60°	42608	42608	42608
65°	38551	38551	38551
70°	34795	33889	34795
75°	31474	30276	30276
80°	25291	25291	25291
85°	17982	17982	17982

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 61109 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.5	7.2
10°-20°	230.3	17.4
20°-30°	266.2	20.1
30°-40°	241.3	18.2
40°-50°	194.5	14.7
50°-60°	143.2	10.8
60°-70°	94.3	7.1
70°-80°	48.7	3.7
80°-90°	11.0	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°	592.0	44.7
0°-40°	833.4	62.9
0°-60°	1171.1	88.4
0°-90°	1325.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1325.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1058	1058	1058	1058	1058	
5°	1027	1031	1027	1027	1027	95
15°	826	827	827	826	827	230
25°	580	578	578	580	578	266
35°	384	384	384	384	386	241
45°	251	251	251	251	251	194
55°	160	160	160	158	160	144
65°	95	95	95	95	95	94
75°	47	46	46	46	46	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°	1058.3	1058.3	1058.3	1058.3	1058.3
1°	1056.5	1060.1	1056.5	1056.5	1058.3
2°	1054.7	1056.5	1054.7	1054.7	1054.7
3°	1047.4	1051.1	1047.4	1047.4	1047.4
4°	1038.3	1042.0	1038.3	1038.3	1038.3
5°	1027.4	1031.1	1027.4	1027.4	1027.4
6°	1014.7	1016.5	1014.7	1014.7	1014.7
7°	1000.1	1002.0	1000.1	1000.1	1002.0
8°	982.0	983.8	983.8	982.0	982.0
9°	963.8	965.6	965.6	963.8	965.6
10°	943.8	945.6	945.6	943.8	943.8
11°	923.8	925.6	921.9	921.9	923.8
12°	900.1	901.9	900.1	900.1	900.1
13°	876.5	876.5	876.5	876.5	876.5
14°	849.2	852.8	852.8	851.0	849.2
15°	825.6	827.4	827.4	825.6	827.4
17.5°	761.9	765.6	763.7	763.7	763.7
20°	698.3	700.1	700.1	698.3	698.3
22.5°	638.3	636.5	636.5	636.5	636.5
25°	580.1	578.3	578.3	580.1	578.3
27.5°	523.7	525.5	525.5	523.7	525.5
30°	472.8	472.8	474.6	472.8	476.4
32.5°	427.3	427.3	425.5	427.3	427.3
35°	383.7	383.7	383.7	383.7	385.5
37.5°	343.7	345.5	347.3	347.3	345.5
40°	311.0	311.0	311.0	311.0	311.0
42.5°	278.2	278.2	280.0	280.0	280.0
45°	250.9	250.9	250.9	250.9	250.9
47.5°	225.5	225.5	223.7	223.7	225.5
50°	200.0	201.8	200.0	200.0	201.8
52.5°	180.0	178.2	178.2	180.0	180.0
55°	160.0	160.0	160.0	158.2	160.0
57.5°	141.8	141.8	140.0	140.0	140.0
60°	123.7	123.7	123.7	123.7	123.7
62.5°	109.1	109.1	109.1	109.1	109.1
65°	94.6	94.6	94.6	94.6	94.6
67.5°	81.8	81.8	81.8	81.8	80.0
70°	69.1	69.1	67.3	67.3	69.1
72.5°	56.4	56.4	56.4	56.4	56.4
75°	47.3	45.5	45.5	45.5	45.5
77.5°	36.4	36.4	34.6	36.4	34.6
80°	25.5	25.5	25.5	25.5	25.5
82.5°	18.2	16.4	16.4	16.4	16.4
85°	9.1	9.1	9.1	9.1	9.1
87.5°	1.8	1.8	1.8	1.8	3.6



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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)