

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: P1307168

Luminaire Tested: P3SQAS20R209027D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307168
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R209027D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

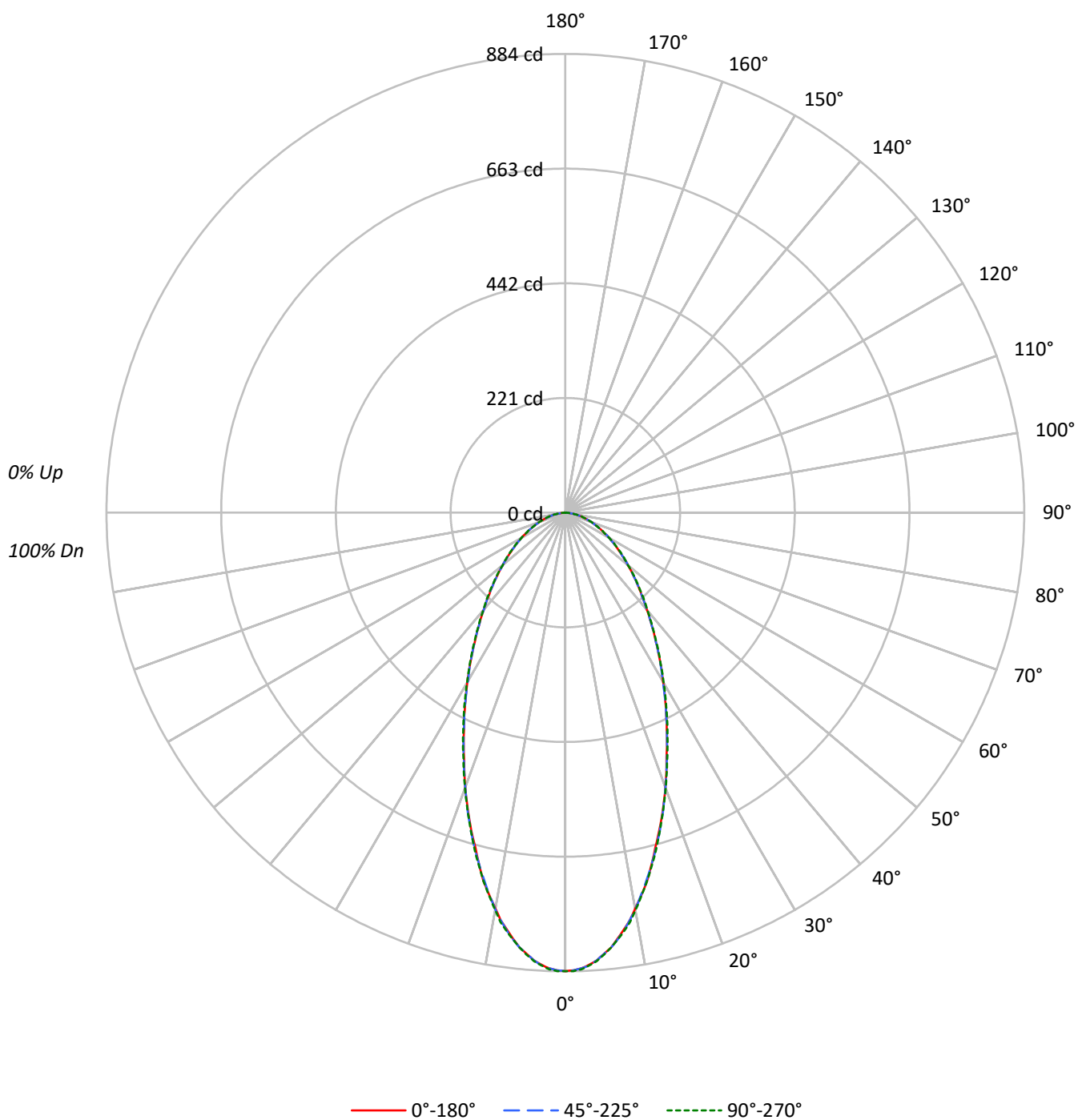
Lumens per Lamp: N/A
Luminaire Lumens: 1057.0 lumens
Efficiency: N/A
Efficacy: 36.7 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	91	86	100	94	89	85	91	87	83		88	84	81		85
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71
5	83	72	64	59	81	71	64	58	69	63	58		67	62	57		65
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53
9	65	53	46	41	63	52	46	41	51	45	41		50	45	40		49
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	152193	152193	152193
5°	147588	147588	147865
10°	135497	135776	136056
15°	119299	119852	120137
20°	103257	103257	103532
25°	87868	87868	88457
30°	75012	74694	75310
35°	64041	64041	64356
40°	54991	54991	55351
45°	48054	48054	48420
50°	42279	42279	42279
55°	37443	37443	37893
60°	33687	33687	33687
65°	30238	30238	30238
70°	27040	27040	27040
75°	24155	23090	24155
80°	20332	20332	20332
85°	12449	12449	15611

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 48420 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.0	7.5
10°-20°	187.1	17.7
20°-30°	213.1	20.2
30°-40°	191.3	18.1
40°-50°	153.3	14.5
50°-60°	112.6	10.7
60°-70°	73.6	7.0
70°-80°	38.2	3.6
80°-90°	8.9	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°	479.2	45.3
0°-40°	670.5	63.4
0°-60°	936.4	88.6
0°-90°	1057.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1057.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	884	884	884	884	884	
5°	854	854	854	854	855	79
15°	669	669	672	672	674	187
25°	462	462	462	464	466	213
35°	305	305	305	305	306	191
45°	197	197	197	197	199	153
55°	125	125	125	125	126	112
65°	74	73	74	74	74	74
75°	36	35	35	36	36	38
85°	6	6	6	8	8	8
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	883.7	883.7	883.7	883.7	883.7
1°	882.1	880.5	882.1	882.1	883.7
2°	879.0	879.0	879.0	877.4	880.5
3°	872.7	872.7	874.2	872.7	874.2
4°	864.8	864.8	864.8	863.2	866.3
5°	853.7	853.7	853.7	853.7	855.3
6°	842.7	841.1	842.7	841.1	842.7
7°	826.9	826.9	828.5	826.9	828.5
8°	811.1	809.5	812.7	811.1	814.3
9°	795.3	793.8	795.3	793.8	798.5
10°	774.8	776.4	776.4	776.4	778.0
12.5°	727.5	724.3	724.3	724.3	727.5
15°	669.1	669.1	672.2	672.2	673.8
17.5°	617.0	615.4	618.6	618.6	618.6
20°	563.4	561.8	563.4	563.4	564.9
22.5°	509.7	511.3	511.3	511.3	512.9
25°	462.4	462.4	462.4	463.9	465.5
27.5°	418.2	416.6	418.2	419.8	421.3
30°	377.2	375.6	375.6	377.2	378.7
32.5°	339.3	337.7	339.3	339.3	340.9
35°	304.6	304.6	304.6	304.6	306.1
37.5°	273.0	273.0	273.0	274.6	274.6
40°	244.6	244.6	244.6	246.2	246.2
42.5°	219.3	219.3	219.3	220.9	222.5
45°	197.3	197.3	197.3	197.3	198.8
47.5°	176.7	176.7	176.7	178.3	178.3
50°	157.8	156.2	157.8	159.4	157.8
52.5°	140.4	140.4	140.4	140.4	142.0
55°	124.7	124.7	124.7	124.7	126.2
57.5°	110.5	110.5	110.5	112.0	112.0
60°	97.8	97.8	97.8	97.8	97.8
62.5°	85.2	85.2	85.2	85.2	85.2
65°	74.2	72.6	74.2	74.2	74.2
67.5°	63.1	63.1	63.1	63.1	63.1
70°	53.7	53.7	53.7	53.7	53.7
72.5°	44.2	44.2	44.2	44.2	44.2
75°	36.3	34.7	34.7	36.3	36.3
77.5°	28.4	26.8	28.4	28.4	28.4
80°	20.5	20.5	20.5	20.5	20.5
82.5°	12.6	12.6	12.6	14.2	14.2
85°	6.3	6.3	6.3	7.9	7.9
87.5°	1.6	1.6	1.6	3.2	3.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)