

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: P1309403

Luminaire Tested: P3SQAS20R209035D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309403
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R209035D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

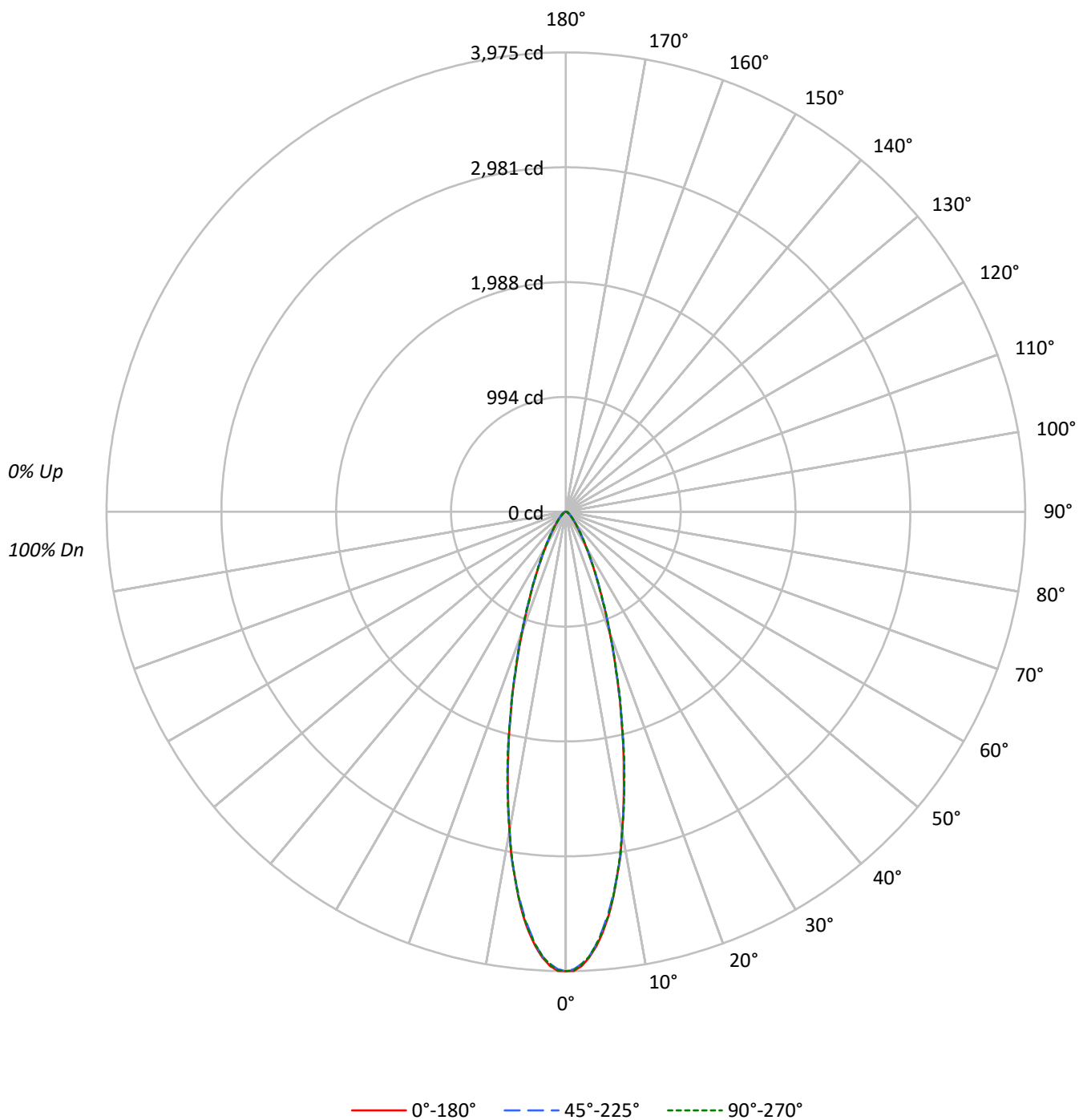
Lumens per Lamp: N/A
Luminaire Lumens: 1397.0 lumens
Efficiency: N/A
Efficacy: 48.5 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	684637	684637	684637
5°	631602	627988	630098
10°	490135	490747	490747
15°	331278	332829	332829
20°	201200	203747	204700
25°	118026	119679	119337
30°	68847	70239	70577
35°	42070	43163	43163
40°	27383	27765	28170
45°	19071	19485	19923
50°	13986	14441	14441
55°	10960	11500	11500
60°	9576	9576	10196
65°	8517	8517	9210
70°	7906	7906	7906
75°	6920	6920	6920
80°	5157	5157	6943
85°	3359	3359	6916

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 19923 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.6	22.9
10°-20°	513.3	36.7
20°-30°	297.3	21.3
30°-40°	133.3	9.5
40°-50°	63.2	4.5
50°-60°	34.6	2.5
60°-70°	21.0	1.5
70°-80°	11.3	0.8
80°-90°	2.4	0.2
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°	1131.2	81.0
0°-40°	1264.5	90.5
0°-60°	1362.3	97.5
0°-90°	1397.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1397.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3975	3975	3975	3975	3975	
5°	3653	3641	3632	3640	3645	321
15°	1858	1858	1867	1858	1867	512
25°	621	621	630	625	628	294
35°	200	202	205	207	205	131
45°	78	78	80	80	82	62
55°	36	36	38	38	38	34
65°	21	21	21	21	23	21
75°	10	10	10	10	10	11
85°	2	2	2	2	4	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3975.3	3975.3	3975.3	3975.3	3975.3
1°	3973.5	3963.1	3959.6	3956.1	3966.6
2°	3933.5	3921.3	3914.4	3917.9	3919.6
3°	3862.2	3855.2	3855.2	3850.0	3853.5
4°	3770.0	3756.1	3756.1	3757.8	3757.8
5°	3653.4	3641.2	3632.5	3639.5	3644.7
6°	3522.9	3507.3	3500.3	3502.1	3514.2
7°	3362.9	3342.0	3345.5	3354.2	3354.2
8°	3181.9	3180.2	3183.7	3180.2	3183.7
9°	3014.9	2990.6	3011.5	2994.1	3002.8
10°	2802.7	2801.0	2806.2	2811.4	2806.2
12.5°	2319.0	2327.7	2331.2	2324.3	2339.9
15°	1858.0	1858.0	1866.7	1858.0	1866.7
17.5°	1445.7	1444.0	1450.9	1444.0	1454.4
20°	1097.8	1109.9	1111.7	1111.7	1116.9
22.5°	828.1	828.1	835.1	836.8	833.3
25°	621.1	621.1	629.8	624.6	628.0
27.5°	459.3	462.8	469.7	473.2	473.2
30°	346.2	347.9	353.2	354.9	354.9
32.5°	261.0	264.4	267.9	269.7	271.4
35°	200.1	201.8	205.3	207.0	205.3
37.5°	153.1	154.8	158.3	160.1	160.1
40°	121.8	121.8	123.5	125.3	125.3
42.5°	95.7	97.4	97.4	99.2	99.2
45°	78.3	78.3	80.0	80.0	81.8
47.5°	62.6	62.6	64.4	66.1	66.1
50°	52.2	52.2	53.9	53.9	53.9
52.5°	43.5	43.5	45.2	45.2	45.2
55°	36.5	36.5	38.3	38.3	38.3
57.5°	31.3	31.3	33.1	33.1	33.1
60°	27.8	27.8	27.8	27.8	29.6
62.5°	24.4	24.4	24.4	24.4	24.4
65°	20.9	20.9	20.9	20.9	22.6
67.5°	17.4	17.4	17.4	17.4	19.1
70°	15.7	15.7	15.7	15.7	15.7
72.5°	12.2	12.2	12.2	13.9	13.9
75°	10.4	10.4	10.4	10.4	10.4
77.5°	8.7	8.7	8.7	8.7	8.7
80°	5.2	5.2	5.2	7.0	7.0
82.5°	3.5	3.5	3.5	3.5	3.5
85°	1.7	1.7	1.7	1.7	3.5
87.5°	0.0	0.0	0.0	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)