

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: P1317400

Luminaire Tested: P3SQAS20R259830D010 E3SQPHL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317400
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259830D010 E3SQPHL1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQPHL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

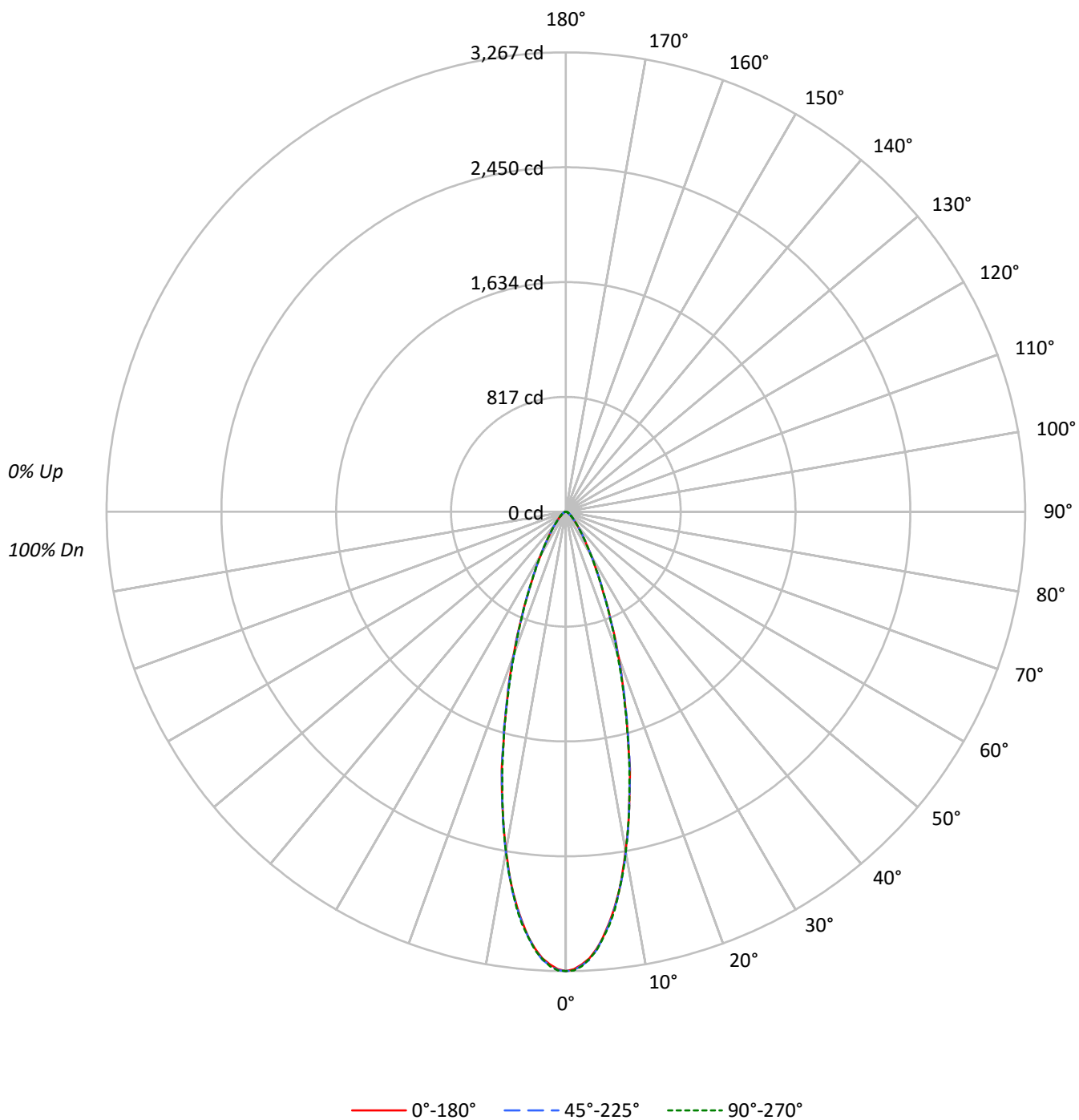
Lumens per Lamp: N/A
Luminaire Lumens: 1309.0 lumens
Efficiency: N/A
Efficacy: 47.8 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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

TEST NUMBER: P1317400

CATALOG NUMBER: P3SQAS20R259830D010 E3SQPHL1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1317400

CATALOG NUMBER: P3SQAS20R259830D010 E3SQPHL1MMS

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	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	562634	562634	562634
5°	525159	525695	525954
10°	428350	429696	429696
15°	305959	307582	305959
20°	200228	198267	195482
25°	119052	119622	119052
30°	71711	71711	71413
35°	43689	44004	43689
40°	27833	28170	28170
45°	19363	19363	19363
50°	13932	14334	14334
55°	11020	11020	11470
60°	8956	9472	9472
65°	8110	8110	8110
70°	6949	6949	7704
75°	6122	6122	7120
80°	6050	6050	6050
85°	2964	2964	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19363 cd/sqm

TEST NUMBER: P1317400

CATALOG NUMBER: P3SQAS20R259830D010 E3SQPHL1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.5	20.7
10°-20°	473.2	36.2
20°-30°	297.5	22.7
30°-40°	136.1	10.4
40°-50°	63.6	4.9
50°-60°	34.2	2.6
60°-70°	20.2	1.5
70°-80°	10.5	0.8
80°-90°	2.3	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°	1042.2	79.6
0°-40°	1178.3	90.0
0°-60°	1276.0	97.5
0°-90°	1309.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1309.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3267	3267	3267	3267	3267	
5°	3038	3044	3041	3044	3042	271
15°	1716	1727	1725	1728	1716	473
25°	626	634	630	630	626	298
35°	208	208	209	209	208	136
45°	80	80	80	80	80	63
55°	37	37	37	38	38	34
65°	20	20	20	20	20	20
75°	9	9	9	11	11	10
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

TEST NUMBER: P1317400

CATALOG NUMBER: P3SQAS20R259830D010 E3SQPHL1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3266.9	3266.9	3266.9	3266.9	3266.9
1°	3253.2	3256.2	3259.3	3263.9	3262.3
2°	3222.6	3228.7	3230.2	3236.3	3234.8
3°	3181.3	3179.8	3192.0	3192.0	3184.4
4°	3117.2	3120.2	3123.3	3126.3	3127.9
5°	3037.7	3043.8	3040.8	3043.8	3042.3
6°	2939.9	2949.1	2947.6	2950.6	2955.2
7°	2836.0	2842.1	2842.1	2839.1	2851.3
8°	2722.9	2718.3	2726.0	2722.9	2721.4
9°	2588.5	2597.6	2599.2	2591.5	2594.6
10°	2449.4	2455.5	2457.1	2461.6	2457.1
11°	2311.9	2311.9	2315.0	2322.6	2310.4
12°	2162.1	2175.9	2162.1	2168.3	2162.1
13°	2020.0	2023.1	2020.0	2018.5	2007.8
14°	1885.6	1874.9	1877.9	1865.7	1867.2
15°	1716.0	1726.7	1725.1	1728.2	1716.0
17.5°	1379.8	1385.9	1384.4	1381.3	1366.0
20°	1092.5	1092.5	1081.8	1075.7	1066.6
22.5°	834.3	831.2	826.7	822.1	825.1
25°	626.5	634.1	629.5	629.5	626.5
27.5°	473.7	482.9	475.2	470.6	473.7
30°	360.6	363.7	360.6	359.1	359.1
32.5°	272.0	273.5	272.0	272.0	272.0
35°	207.8	207.8	209.3	209.3	207.8
37.5°	160.4	160.4	160.4	160.4	162.0
40°	123.8	125.3	125.3	125.3	125.3
42.5°	97.8	99.3	99.3	99.3	99.3
45°	79.5	79.5	79.5	79.5	79.5
47.5°	64.2	64.2	64.2	64.2	65.7
50°	52.0	53.5	53.5	53.5	53.5
52.5°	44.3	44.3	44.3	44.3	44.3
55°	36.7	36.7	36.7	38.2	38.2
57.5°	30.6	30.6	32.1	32.1	32.1
60°	26.0	27.5	27.5	27.5	27.5
62.5°	22.9	22.9	24.4	24.4	24.4
65°	19.9	19.9	19.9	19.9	19.9
67.5°	16.8	16.8	16.8	16.8	18.3
70°	13.8	13.8	13.8	15.3	15.3
72.5°	12.2	12.2	12.2	12.2	12.2
75°	9.2	9.2	9.2	10.7	10.7
77.5°	7.6	7.6	7.6	7.6	7.6
80°	6.1	6.1	6.1	6.1	6.1
82.5°	3.1	3.1	4.6	4.6	4.6
85°	1.5	1.5	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1317400

CATALOG NUMBER: P3SQAS20R259830D010 E3SQPHL1MMS

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)