

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: P1317380

Luminaire Tested: P3SQAS20R209830D010 E3SQPH1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317380
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R209830D010 E3SQPH1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

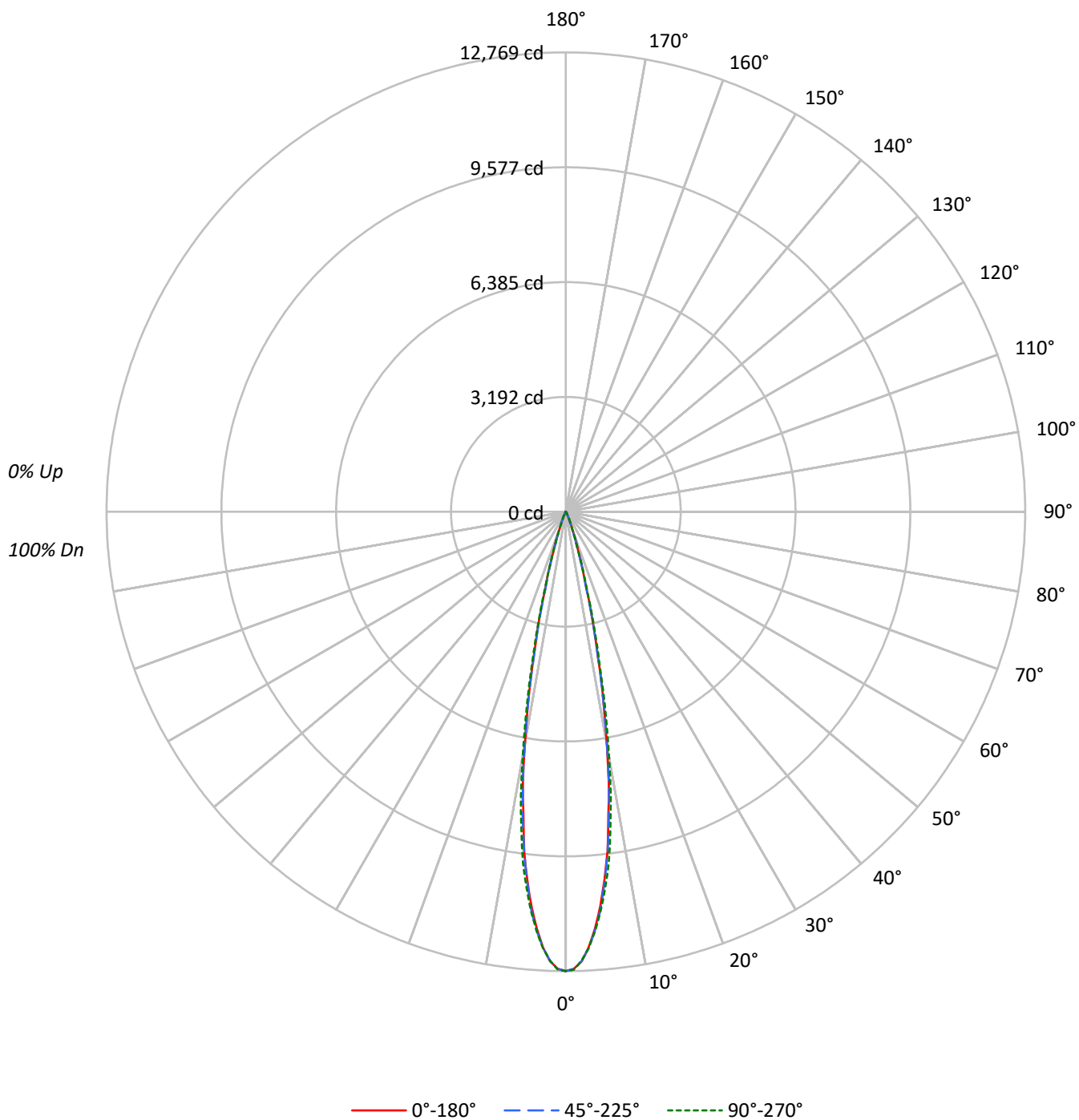
Lumens per Lamp: N/A
Luminaire Lumens: 1715.0 lumens
Efficiency: N/A
Efficacy: 62.6 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1317380

CATALOG NUMBER: P3SQAS20R209830D010 E3SQPH1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1317380

CATALOG NUMBER: P3SQAS20R209830D010 E3SQPH1MMS

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2199059	2199059	2199059
5°	1899732	1917418	1924558
10°	1143607	1154292	1211740
15°	395554	386300	417075
20°	103899	97722	98016
25°	22651	27288	31069
30°	9725	9725	10023
35°	5466	4815	5130
40°	2406	2743	3103
45°	755	1120	1120
50°	402	402	402
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1120 cd/sqm

TEST NUMBER: P1317380

CATALOG NUMBER: P3SQAS20R209830D010 E3SQPH1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	913.3	53.3
10°-20°	695.3	40.5
20°-30°	86.0	5.0
30°-40°	16.3	0.9
40°-50°	3.9	0.2
50°-60°	0.2	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1694.6	98.8
0°-40°	1710.8	99.8
0°-60°	1715.0	100.0
0°-90°	1715.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1715.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12769	12769	12769	12769	12769	
5°	10989	10981	11091	11083	11132	906
15°	2218	2139	2167	2296	2339	695
25°	119	136	144	150	164	82
35°	26	26	23	24	24	17
45°	3	5	5	5	5	3
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0

TEST NUMBER: P1317380

CATALOG NUMBER: P3SQAS20R209830D010 E3SQPH1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12768.7	12768.7	12768.7	12768.7	12768.7
1°	12709.1	12693.8	12706.0	12680.1	12733.5
2°	12505.9	12490.6	12490.6	12475.3	12483.0
3°	12127.0	12151.4	12136.1	12104.0	12145.3
4°	11610.5	11638.0	11662.5	11664.0	11670.1
5°	10988.7	10981.0	11091.0	11083.4	11132.3
6°	10279.7	10270.6	10317.9	10397.4	10495.2
7°	9500.5	9389.0	9515.8	9676.2	9807.6
8°	8492.1	8521.1	8608.2	8797.7	8903.1
9°	7636.5	7466.9	7651.7	7877.9	7992.5
10°	6539.4	6401.9	6600.5	6838.9	6929.0
12.5°	4116.2	3997.0	4061.2	4311.7	4351.5
15°	2218.5	2139.1	2166.6	2296.4	2339.2
17.5°	1132.2	1060.4	1045.1	1127.6	1136.8
20°	566.9	550.0	533.2	540.9	534.8
22.5°	262.8	285.7	282.7	267.4	285.7
25°	119.2	136.0	143.6	149.7	163.5
27.5°	73.3	70.3	81.0	87.1	88.6
30°	48.9	47.4	48.9	50.4	50.4
32.5°	35.1	33.6	32.1	32.1	33.6
35°	26.0	26.0	22.9	24.4	24.4
37.5°	18.3	18.3	16.8	18.3	18.3
40°	10.7	12.2	12.2	12.2	13.8
42.5°	6.1	7.6	7.6	7.6	7.6
45°	3.1	4.6	4.6	4.6	4.6
47.5°	1.5	1.5	1.5	3.1	3.1
50°	1.5	1.5	1.5	1.5	1.5
52.5°	1.5	0.0	0.0	0.0	1.5
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)