

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: P1311592

Luminaire Tested: P3SQAS20R209050D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311592
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R209050D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

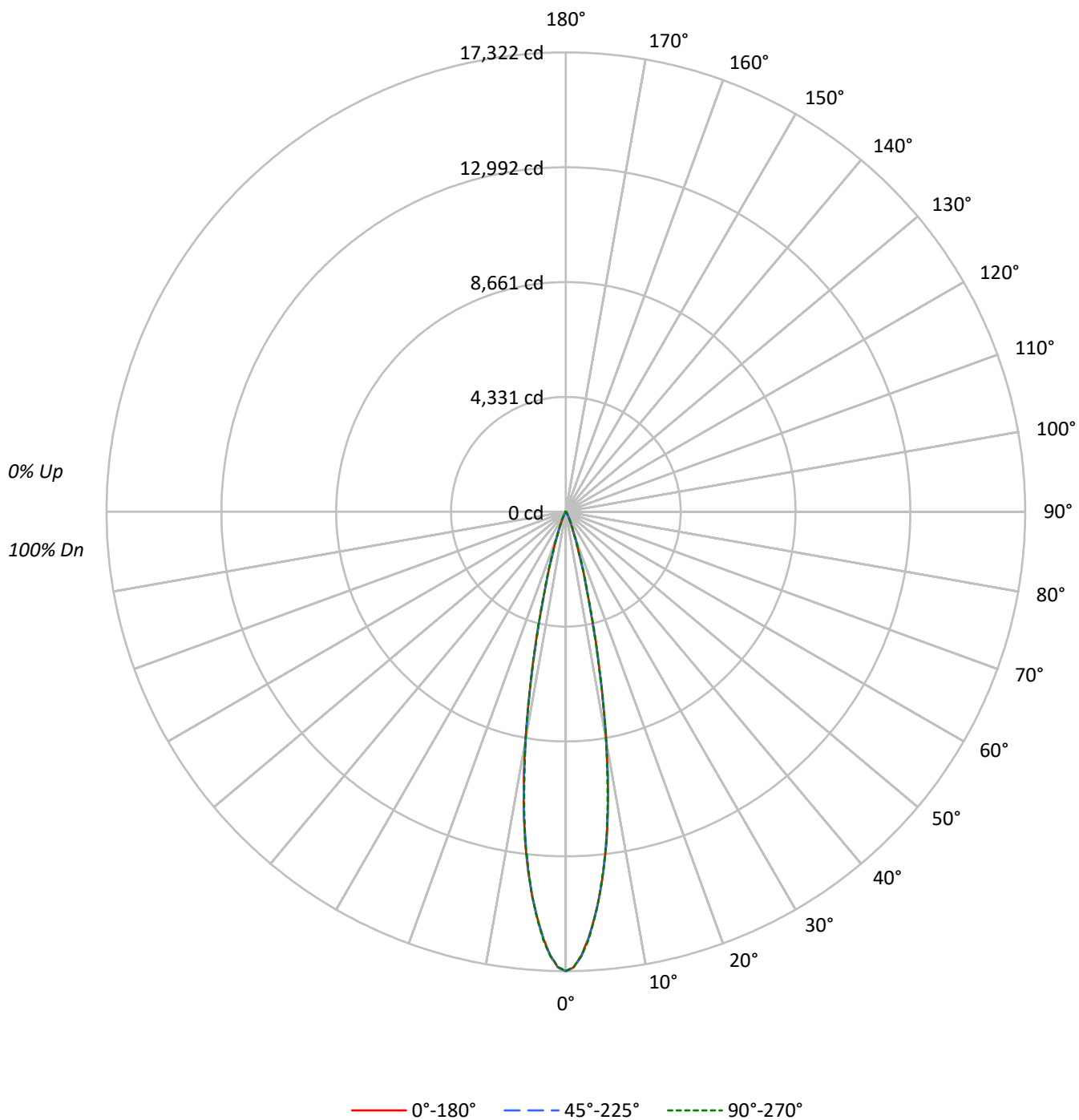
Lumens per Lamp: N/A
Luminaire Lumens: 2386.9 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1311592

CATALOG NUMBER: P3SQAS20R209050D010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1311592

CATALOG NUMBER: P3SQAS20R209050D010 E3SQCD1MW

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	100	100	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	98	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	95	95	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	93	93	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91	91	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	89	89	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	87	87	87
7	100	94	90	88	99	94	90	88	92	90	87	92	89	87	91	88	87	86	86	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	84	84	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	83	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	81	81	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2983154	2983154	2983154
5°	2514339	2515308	2514028
10°	1532189	1525089	1528639
15°	539708	542008	558804
20°	169585	174313	170593
25°	63526	69493	65274
30°	24600	34881	25713
35°	9314	15537	10092
40°	4991	6632	4991
45°	1802	3142	2241
50°	991	1474	991
55°	1111	1111	1111
60°	620	620	620
65°	734	734	734
70°	906	906	906
75°	0	0	1198
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3142 cd/sqm

TEST NUMBER: P1311592

CATALOG NUMBER: P3SQAS20R209050D010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1202.4	50.4
10°-20°	942.8	39.5
20°-30°	185.1	7.8
30°-40°	41.5	1.7
40°-50°	9.5	0.4
50°-60°	3.0	0.1
60°-70°	1.8	0.1
70°-80°	0.8	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°	2330.4	97.6
0°-40°	2371.9	99.4
0°-60°	2384.4	99.9
0°-90°	2386.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2386.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17322	17322	17322	17322	17322	
5°	14544	14557	14549	14599	14542	1205
15°	3027	3040	3040	3106	3134	941
25°	334	356	366	360	344	176
35°	44	54	74	54	48	33
45°	7	11	13	11	9	7
55°	4	4	4	4	4	3
65°	2	2	2	2	2	2
75°	0	0	0	0	2	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1311592

CATALOG NUMBER: P3SQAS20R209050D010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	17321.5	17321.5	17321.5	17321.5	17321.5
1°	17181.1	17144.2	17186.6	17153.4	17160.8
2°	16736.0	16715.7	16771.1	16736.0	16754.5
3°	16117.3	16091.5	16132.1	16134.0	16185.7
4°	15378.6	15328.7	15389.7	15391.5	15400.8
5°	14543.8	14556.8	14549.4	14599.2	14542.0
6°	13605.6	13648.1	13592.7	13620.4	13541.0
7°	12556.6	12503.1	12475.4	12484.6	12540.0
8°	11398.7	11361.7	11402.4	11345.1	11306.3
9°	10111.4	10046.8	10091.1	10035.7	9980.3
10°	8761.4	8731.8	8720.8	8658.0	8741.1
11°	7407.7	7319.0	7363.3	7331.9	7422.4
12°	6140.7	6148.1	6061.3	6089.0	6100.1
13°	4997.5	4879.3	4894.1	4969.8	4982.8
14°	3876.5	3893.1	3898.7	3952.2	3983.6
15°	3027.0	3039.9	3039.9	3106.4	3134.1
17.5°	1623.4	1623.4	1658.5	1665.8	1669.5
20°	925.3	930.8	951.1	949.3	930.8
22.5°	554.1	565.1	576.2	565.1	554.1
25°	334.3	356.4	365.7	360.1	343.5
27.5°	199.5	223.5	249.3	229.0	197.6
30°	123.7	136.7	175.4	140.4	129.3
32.5°	68.3	88.6	120.0	92.3	70.2
35°	44.3	53.6	73.9	53.6	48.0
37.5°	31.4	36.9	46.2	38.8	33.2
40°	22.2	25.9	29.5	27.7	22.2
42.5°	14.8	18.5	20.3	18.5	14.8
45°	7.4	11.1	12.9	11.1	9.2
47.5°	3.7	5.5	9.2	5.5	3.7
50°	3.7	3.7	5.5	3.7	3.7
52.5°	3.7	3.7	3.7	3.7	3.7
55°	3.7	3.7	3.7	3.7	3.7
57.5°	3.7	3.7	1.8	3.7	1.8
60°	1.8	1.8	1.8	1.8	1.8
62.5°	1.8	1.8	1.8	1.8	1.8
65°	1.8	1.8	1.8	1.8	1.8
67.5°	1.8	1.8	1.8	1.8	1.8
70°	1.8	1.8	1.8	1.8	1.8
72.5°	1.8	1.8	1.8	1.8	1.8
75°	0.0	0.0	0.0	0.0	1.8
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



TEST NUMBER: P1311592

CATALOG NUMBER: P3SQAS20R209050D010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)