

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: P1309491

Luminaire Tested: P3SQAS20R559035D010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309491
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R559035D010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

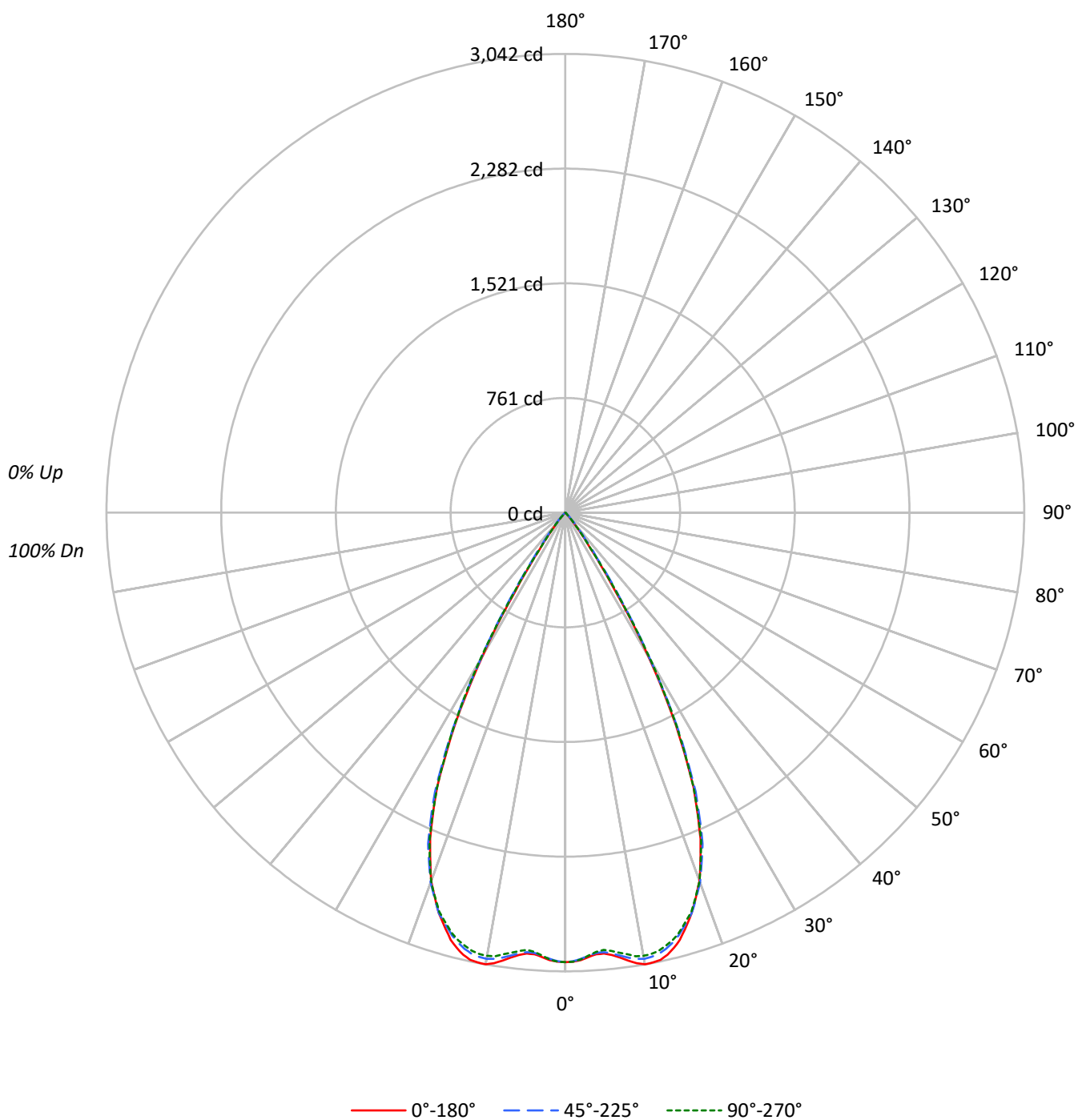
Lumens per Lamp: N/A
Luminaire Lumens: 2266.0 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1309491

CATALOG NUMBER: P3SQAS20R559035D010 E3SQCD1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1309491

CATALOG NUMBER: P3SQAS20R559035D010 E3SQCD1MMS

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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	513327	513327	513327
5°	507456	505952	503255
10°	531896	525495	521858
15°	523055	517474	515602
20°	476425	478349	476755
25°	382220	388167	382220
30°	219369	224917	226647
35°	62548	75352	64377
40°	16030	23089	16434
45°	1705	8062	1267
50°	0	1393	0
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: 45°

Vertical Angle: 45°

Luminance: 8062 cd/sqm

TEST NUMBER: P1309491

CATALOG NUMBER: P3SQAS20R559035D010 E3SQCD1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.0	12.5
10°-20°	807.5	35.6
20°-30°	889.4	39.3
30°-40°	265.5	11.7
40°-50°	20.4	0.9
50°-60°	0.1	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°	1980.0	87.4
0°-40°	2245.5	99.1
0°-60°	2266.0	100.0
0°-90°	2266.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2266.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2981	2981	2981	2981	2981	
5°	2935	2930	2927	2914	2911	285
15°	2934	2913	2902	2890	2892	813
25°	2011	2011	2043	2039	2011	881
35°	298	317	358	327	306	246
45°	7	17	33	17	5	13
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	

TEST NUMBER: P1309491

CATALOG NUMBER: P3SQAS20R559035D010 E3SQCD1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2980.6	2980.6	2980.6	2980.6	2980.6
1°	2978.8	2978.8	2975.4	2973.6	2978.8
2°	2970.1	2970.1	2961.4	2959.7	2964.9
3°	2951.0	2949.3	2942.3	2937.1	2940.6
4°	2935.3	2931.9	2926.6	2917.9	2919.7
5°	2935.3	2930.1	2926.6	2914.5	2911.0
6°	2949.3	2945.8	2938.8	2926.6	2923.2
7°	2973.6	2966.7	2959.7	2944.0	2940.6
8°	2999.7	2994.5	2980.6	2964.9	2958.0
9°	3025.8	3013.6	2996.2	2980.6	2978.8
10°	3041.5	3024.1	3004.9	2985.8	2984.1
11°	3039.7	3024.1	3001.5	2984.1	2982.3
12°	3032.8	3010.2	2991.0	2970.1	2971.9
13°	3008.4	2987.5	2968.4	2952.7	2949.3
14°	2975.4	2956.2	2938.8	2923.2	2924.9
15°	2933.6	2912.7	2902.3	2890.1	2891.8
17.5°	2785.7	2780.5	2785.7	2771.8	2777.0
20°	2599.5	2594.3	2610.0	2603.0	2601.3
22.5°	2340.3	2347.2	2376.8	2368.1	2352.4
25°	2011.4	2011.4	2042.7	2039.2	2011.4
27.5°	1583.4	1595.6	1614.7	1623.4	1602.5
30°	1103.1	1131.0	1131.0	1148.4	1139.7
32.5°	616.0	675.1	689.0	697.7	662.9
35°	297.5	316.7	358.4	327.1	306.2
37.5°	142.7	151.4	193.1	156.6	146.2
40°	71.3	81.8	102.7	85.3	73.1
42.5°	29.6	43.5	53.9	43.5	29.6
45°	7.0	17.4	33.1	17.4	5.2
47.5°	0.0	1.7	15.7	3.5	0.0
50°	0.0	0.0	5.2	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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



TEST NUMBER: P1309491

CATALOG NUMBER: P3SQAS20R559035D010 E3SQCD1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)