

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: P1314695

Luminaire Tested: P3SQAS20R309735D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314695
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309735D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

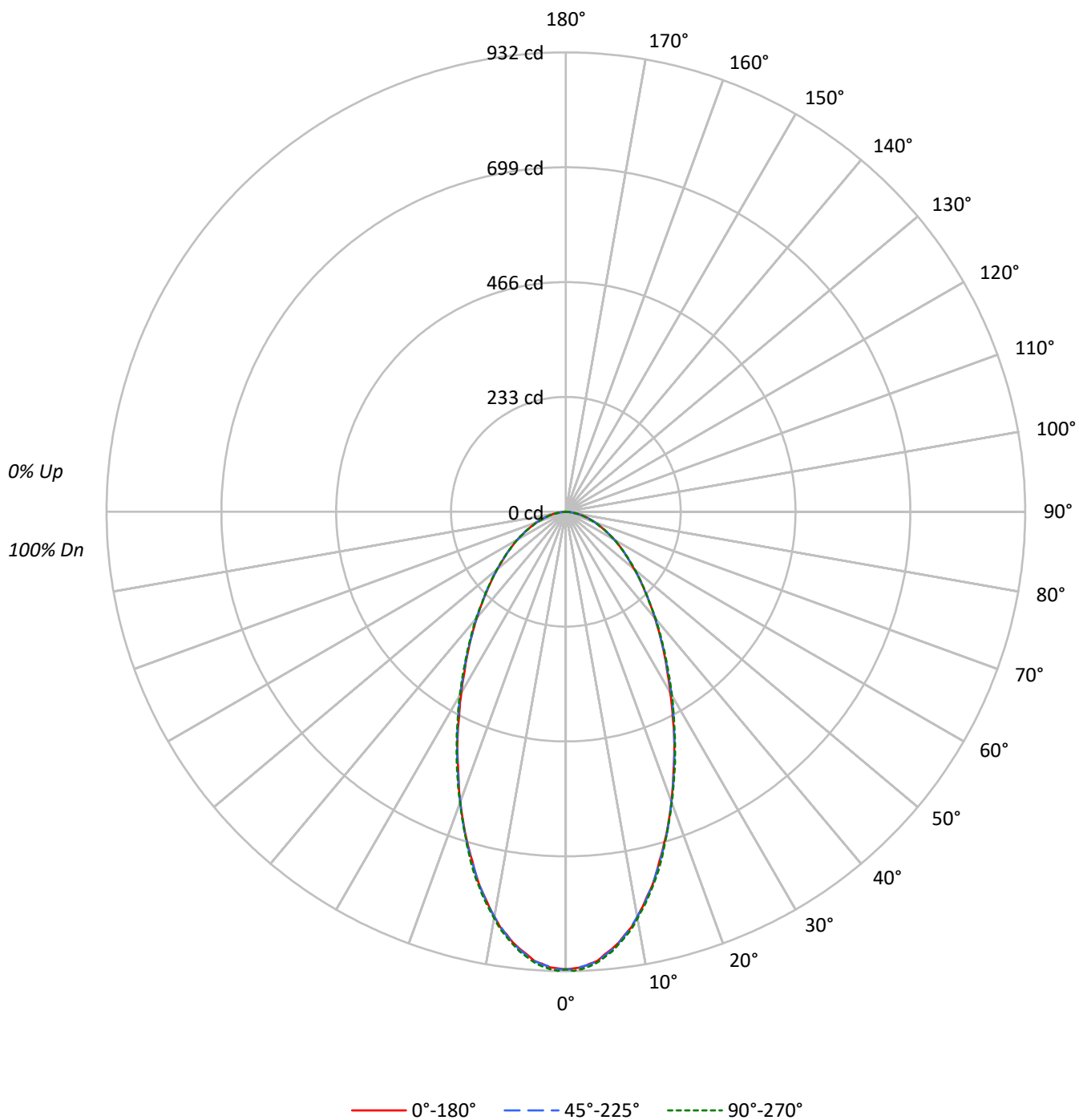
Lumens per Lamp: N/A
Luminaire Lumens: 1192.0 lumens
Efficiency: N/A
Efficacy: 41.4 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1314695

CATALOG NUMBER: P3SQAS20R309735D010 E3SQPHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1314695

CATALOG NUMBER: P3SQAS20R309735D010 E3SQPHLD1MW

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	111	107	103	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	90	85	100	94	89	84	91	86	83		87	84	81		85
3	95	86	80	74	93	85	79	74	82	77	72		79	75	71		77
4	89	78	71	65	87	77	70	65	75	69	64		73	67	63		71
5	83	72	64	58	81	71	63	58	69	62	57		67	61	57		65
6	77	66	58	52	76	65	58	52	63	57	52		62	56	51		60
7	72	61	53	48	71	60	53	47	58	52	47		57	51	47		56
8	68	56	49	44	67	56	48	43	54	48	43		53	47	43		52
9	64	52	45	40	63	52	45	40	51	44	40		50	44	40		49
10	61	49	42	37	60	48	42	37	48	41	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	159874	159874	159874
5°	155921	156215	156785
10°	145902	145902	146479
15°	130817	131120	131994
20°	114840	114840	115134
25°	99004	99004	99631
30°	84279	85254	85592
35°	72808	73144	73502
40°	63017	63399	63759
45°	55020	55410	55410
50°	48603	48603	49031
55°	43568	43568	43568
60°	39198	39198	39198
65°	34924	34924	34924
70°	31572	31572	31572
75°	28546	27415	27415
80°	24497	22910	22910
85°	16203	16203	16203

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 55410 cd/sqm

TEST NUMBER: P1314695

CATALOG NUMBER: P3SQAS20R309735D010 E3SQPHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.1	7.1
10°-20°	205.0	17.2
20°-30°	239.4	20.1
30°-40°	217.8	18.3
40°-50°	176.0	14.8
50°-60°	130.0	10.9
60°-70°	85.5	7.2
70°-80°	44.2	3.7
80°-90°	10.0	0.8
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°	528.4	44.3
0°-40°	746.2	62.6
0°-60°	1052.1	88.3
0°-90°	1192.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1192.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	928	928	928	928	928	
5°	902	902	904	904	907	84
15°	734	735	735	735	740	205
25°	521	519	521	521	524	239
35°	346	345	348	348	350	217
45°	226	228	228	228	228	175
55°	145	144	145	144	145	130
65°	86	86	86	86	86	86
75°	43	41	41	41	41	45
85°	8	8	8	8	8	10
90°	0	0	0	0	0	

TEST NUMBER: P1314695

CATALOG NUMBER: P3SQAS20R309735D010 E3SQPHLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	928.3	928.3	928.3	928.3	928.3
1°	926.7	926.7	928.3	926.7	931.6
2°	925.0	923.4	923.4	923.4	928.3
3°	918.4	918.4	920.1	918.4	923.4
4°	913.5	911.8	913.5	911.8	916.8
5°	901.9	901.9	903.6	903.6	906.9
6°	892.0	892.0	893.7	892.0	897.0
7°	880.5	880.5	880.5	880.5	883.8
8°	865.7	865.7	867.3	867.3	870.6
9°	852.5	850.8	850.8	850.8	855.8
10°	834.3	834.3	834.3	834.3	837.6
11°	816.2	816.2	816.2	816.2	819.5
12°	796.4	796.4	798.0	796.4	801.3
13°	778.3	778.3	778.3	778.3	781.6
14°	756.8	755.2	756.8	756.8	761.8
15°	733.7	735.4	735.4	735.4	740.3
17.5°	681.0	681.0	682.6	679.3	682.6
20°	626.6	624.9	626.6	626.6	628.2
22.5°	570.5	572.2	572.2	572.2	575.5
25°	521.0	519.4	521.0	521.0	524.3
27.5°	469.9	471.6	473.2	471.6	474.9
30°	423.8	427.1	428.7	425.4	430.4
32.5°	382.5	382.5	384.2	385.8	387.5
35°	346.3	344.6	347.9	347.9	349.6
37.5°	311.6	311.6	311.6	313.3	314.9
40°	280.3	280.3	282.0	282.0	283.6
42.5°	252.3	250.6	252.3	252.3	252.3
45°	225.9	227.5	227.5	227.5	227.5
47.5°	202.8	202.8	204.5	202.8	204.5
50°	181.4	181.4	181.4	181.4	183.0
52.5°	161.6	161.6	161.6	161.6	163.2
55°	145.1	143.5	145.1	143.5	145.1
57.5°	128.6	128.6	128.6	128.6	128.6
60°	113.8	112.1	113.8	112.1	113.8
62.5°	98.9	98.9	98.9	98.9	98.9
65°	85.7	85.7	85.7	85.7	85.7
67.5°	74.2	74.2	74.2	72.5	72.5
70°	62.7	62.7	62.7	62.7	62.7
72.5°	52.8	51.1	51.1	51.1	51.1
75°	42.9	41.2	41.2	41.2	41.2
77.5°	33.0	33.0	31.3	31.3	33.0
80°	24.7	23.1	23.1	23.1	23.1
82.5°	14.8	14.8	14.8	14.8	14.8
85°	8.2	8.2	8.2	8.2	8.2
87.5°	1.6	1.6	1.6	3.3	3.3



TEST NUMBER: P1314695

CATALOG NUMBER: P3SQAS20R309735D010 E3SQPHLD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)