

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: P1307185

Luminaire Tested: P3SQAS20R259027D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307185
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259027D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

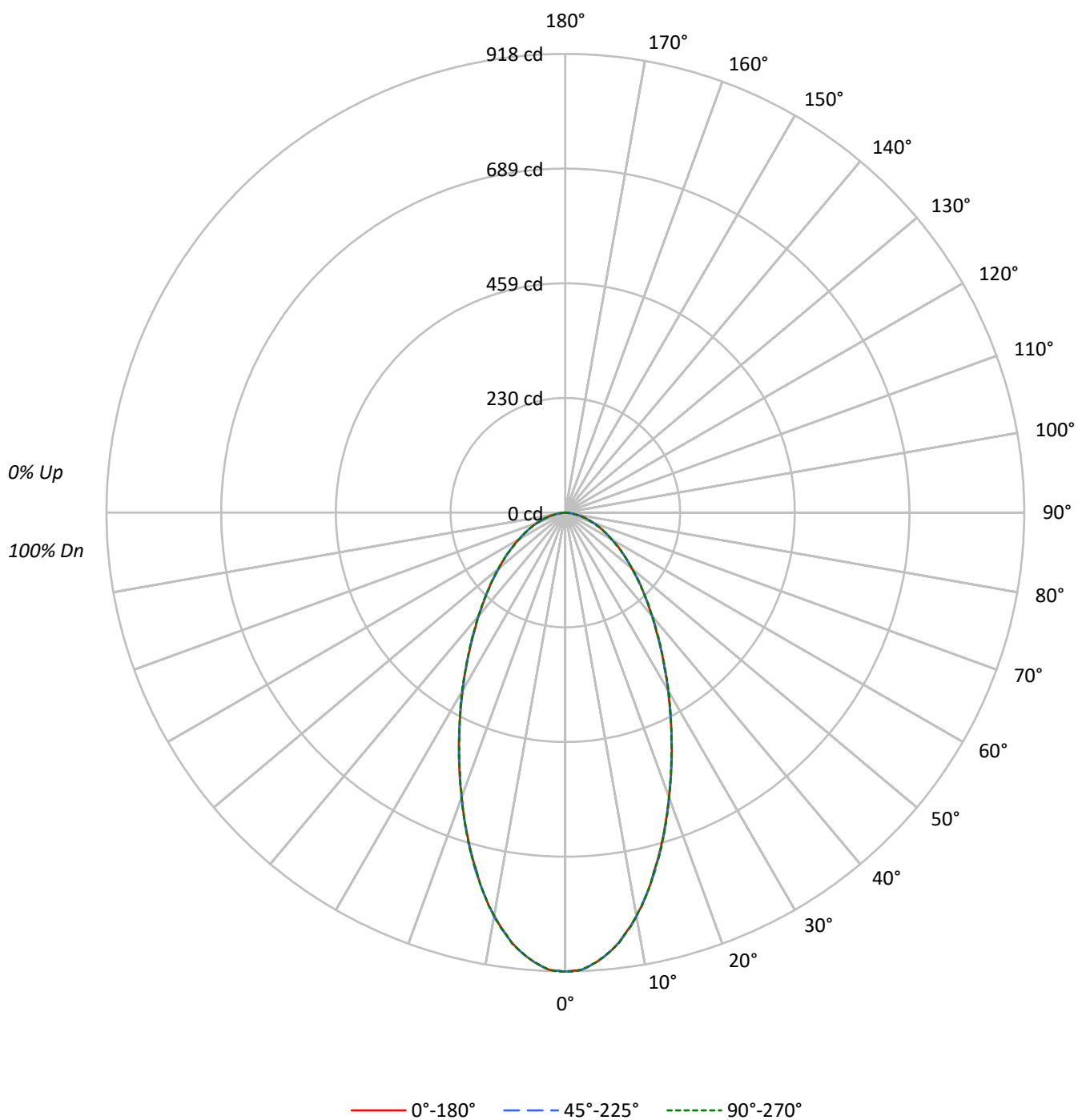
Lumens per Lamp: N/A
Luminaire Lumens: 1150.0 lumens
Efficiency: N/A
Efficacy: 39.9 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1307185

CATALOG NUMBER: P3SQAS20R259027D010 E3SQPHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1307185

CATALOG NUMBER: P3SQAS20R259027D010 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	104	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85
3	95	87	80	74	93	85	79	74	82	77	72		80	75	71		77
4	89	79	71	65	87	77	70	65	75	69	64		73	68	63		71
5	83	72	64	58	81	71	64	58	69	62	58		67	61	57		65
6	77	66	58	53	76	65	58	52	63	57	52		62	56	52		60
7	73	61	53	48	71	60	53	48	59	52	47		57	51	47		56
8	68	56	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	42	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	158186	158186	158186
5°	154158	154158	154158
10°	143244	143524	143244
15°	127751	128036	128036
20°	111083	111358	111083
25°	95678	95374	95374
30°	81595	81913	82231
35°	70012	70012	70348
40°	60679	60679	60679
45°	53047	53047	53047
50°	46513	46513	46941
55°	41706	41706	41706
60°	36959	36959	36959
65°	33457	33457	33457
70°	30213	29407	30213
75°	27282	26284	26284
80°	21919	21919	21919
85°	15611	15611	15611

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 53047 cd/sqm

TEST NUMBER: P1307185

CATALOG NUMBER: P3SQAS20R259027D010 E3SQPHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.9	7.2
10°-20°	199.9	17.4
20°-30°	231.1	20.1
30°-40°	209.5	18.2
40°-50°	168.8	14.7
50°-60°	124.3	10.8
60°-70°	81.8	7.1
70°-80°	42.2	3.7
80°-90°	9.6	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°	513.8	44.7
0°-40°	723.3	62.9
0°-60°	1016.4	88.4
0°-90°	1150.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1150.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	918	918	918	918	918	
5°	892	895	892	892	892	83
15°	716	718	718	716	718	200
25°	504	502	502	504	502	231
35°	333	333	333	333	335	209
45°	218	218	218	218	218	169
55°	139	139	139	137	139	125
65°	82	82	82	82	82	82
75°	41	40	40	40	40	43
85°	8	8	8	8	8	10
90°	0	0	0	0	0	

TEST NUMBER: P1307185

CATALOG NUMBER: P3SQAS20R259027D010 E3SQPHLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	918.5	918.5	918.5	918.5	918.5
1°	917.0	920.1	917.0	917.0	918.5
2°	915.4	917.0	915.4	915.4	915.4
3°	909.1	912.2	909.1	909.1	909.1
4°	901.2	904.3	901.2	901.2	901.2
5°	891.7	894.9	891.7	891.7	891.7
6°	880.7	882.2	880.7	880.7	880.7
7°	868.0	869.6	868.0	868.0	869.6
8°	852.3	853.8	853.8	852.3	852.3
9°	836.5	838.1	838.1	836.5	838.1
10°	819.1	820.7	820.7	819.1	819.1
11°	801.8	803.3	800.2	800.2	801.8
12°	781.2	782.8	781.2	781.2	781.2
13°	760.7	760.7	760.7	760.7	760.7
14°	737.0	740.2	740.2	738.6	737.0
15°	716.5	718.1	718.1	716.5	718.1
17.5°	661.3	664.4	662.9	662.9	662.9
20°	606.1	607.6	607.6	606.1	606.1
22.5°	554.0	552.4	552.4	552.4	552.4
25°	503.5	501.9	501.9	503.5	501.9
27.5°	454.5	456.1	456.1	454.5	456.1
30°	410.3	410.3	411.9	410.3	413.5
32.5°	370.9	370.9	369.3	370.9	370.9
35°	333.0	333.0	333.0	333.0	334.6
37.5°	298.3	299.9	301.4	301.4	299.9
40°	269.9	269.9	269.9	269.9	269.9
42.5°	241.5	241.5	243.1	243.1	243.1
45°	217.8	217.8	217.8	217.8	217.8
47.5°	195.7	195.7	194.1	194.1	195.7
50°	173.6	175.2	173.6	173.6	175.2
52.5°	156.2	154.7	154.7	156.2	156.2
55°	138.9	138.9	138.9	137.3	138.9
57.5°	123.1	123.1	121.5	121.5	121.5
60°	107.3	107.3	107.3	107.3	107.3
62.5°	94.7	94.7	94.7	94.7	94.7
65°	82.1	82.1	82.1	82.1	82.1
67.5°	71.0	71.0	71.0	71.0	69.4
70°	60.0	60.0	58.4	58.4	60.0
72.5°	48.9	48.9	48.9	48.9	48.9
75°	41.0	39.5	39.5	39.5	39.5
77.5°	31.6	31.6	30.0	31.6	30.0
80°	22.1	22.1	22.1	22.1	22.1
82.5°	15.8	14.2	14.2	14.2	14.2
85°	7.9	7.9	7.9	7.9	7.9
87.5°	1.6	1.6	1.6	1.6	3.2



TEST NUMBER: P1307185

CATALOG NUMBER: P3SQAS20R259027D010 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)