

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: P1314504

Luminaire Tested: P3SQAS17R209735DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314504
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R209735DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

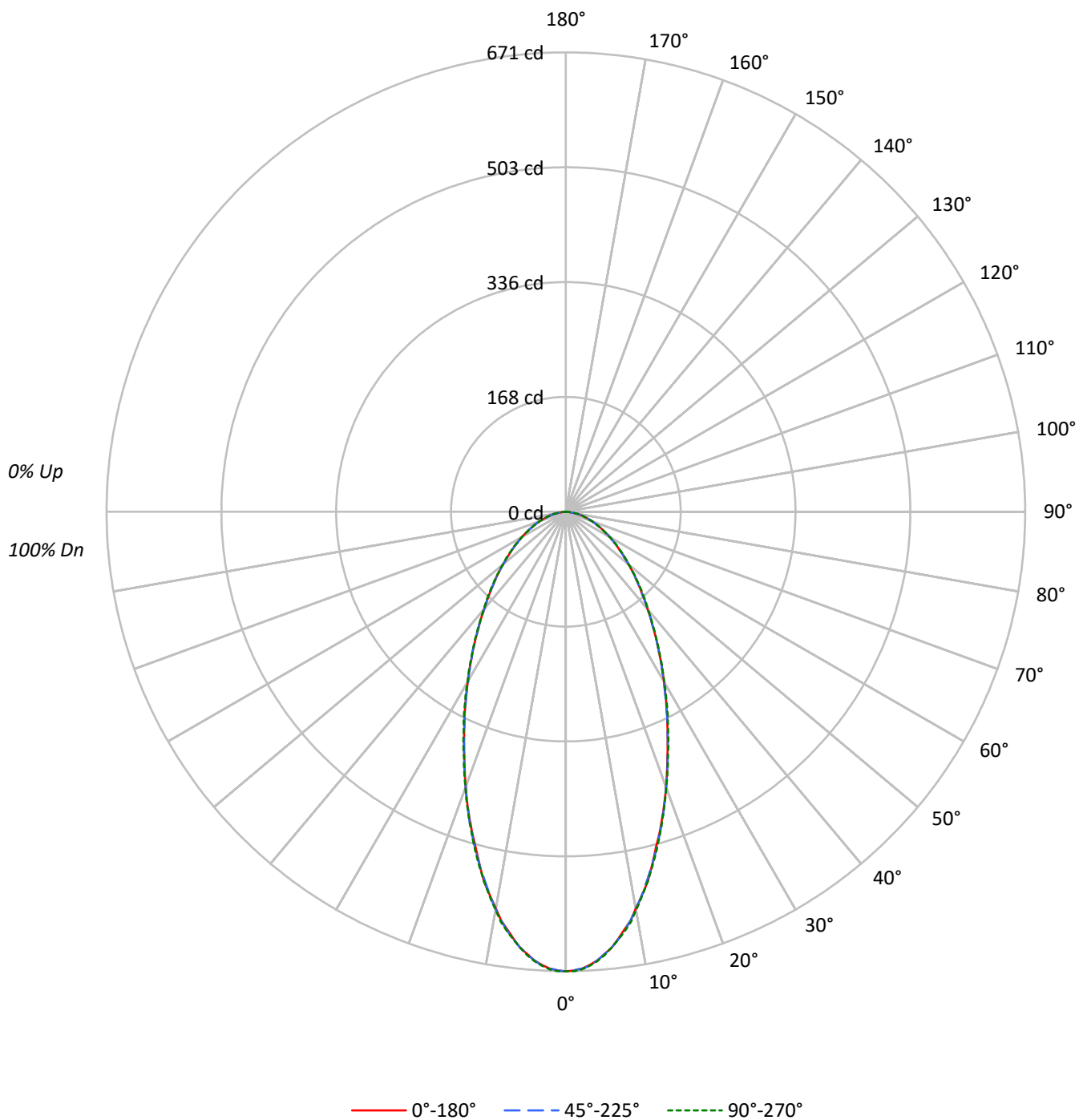
Lumens per Lamp: N/A
Luminaire Lumens: 803.0 lumens
Efficiency: N/A
Efficacy: 37.9 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1314504

CATALOG NUMBER: P3SQAS17R209735DE010 E3SQPHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1314504

CATALOG NUMBER: P3SQAS17R209735DE010 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	91	86	100	94	89	85	91	87	83		88	84	81		85
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71
5	83	72	64	59	81	71	64	58	69	63	58		67	62	57		65
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53
9	65	53	46	41	63	52	46	41	51	45	41		50	45	40		49
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	115613	115613	115613
5°	112130	112130	112338
10°	102934	103144	103354
15°	90629	91057	91271
20°	78442	78442	78662
25°	66756	66756	67212
30°	56975	56736	57214
35°	48651	48651	48903
40°	41772	41772	42041
45°	36510	36510	36802
50°	32125	32125	32125
55°	28435	28435	28795
60°	25592	25592	25592
65°	22943	22943	22943
70°	20545	20545	20545
75°	18366	17567	18366
80°	15472	15472	15472
85°	9485	9485	11856

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 36802 cd/sqm

TEST NUMBER: P1314504

CATALOG NUMBER: P3SQAS17R209735DE010 E3SQPHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.0	7.5
10°-20°	142.1	17.7
20°-30°	161.9	20.2
30°-40°	145.3	18.1
40°-50°	116.5	14.5
50°-60°	85.5	10.7
60°-70°	55.9	7.0
70°-80°	29.0	3.6
80°-90°	6.7	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°	364.0	45.3
0°-40°	509.3	63.4
0°-60°	711.3	88.6
0°-90°	803.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	803.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	671	671	671	671	671	
5°	649	649	649	649	650	60
15°	508	508	511	511	512	142
25°	351	351	351	352	354	162
35°	231	231	231	231	233	145
45°	150	150	150	150	151	116
55°	95	95	95	95	96	85
65°	56	55	56	56	56	56
75°	28	26	26	28	28	29
85°	5	5	5	6	6	6
90°	0	0	0	0	0	

TEST NUMBER: P1314504

CATALOG NUMBER: P3SQAS17R209735DE010 E3SQPHLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	671.3	671.3	671.3	671.3	671.3
1°	670.1	668.9	670.1	670.1	671.3
2°	667.7	667.7	667.7	666.5	668.9
3°	663.0	663.0	664.2	663.0	664.2
4°	657.0	657.0	657.0	655.8	658.2
5°	648.6	648.6	648.6	648.6	649.8
6°	640.2	639.0	640.2	639.0	640.2
7°	628.2	628.2	629.4	628.2	629.4
8°	616.2	615.0	617.4	616.2	618.6
9°	604.2	603.0	604.2	603.0	606.6
10°	588.6	589.8	589.8	589.8	591.0
12.5°	552.7	550.3	550.3	550.3	552.7
15°	508.3	508.3	510.7	510.7	511.9
17.5°	468.7	467.5	469.9	469.9	469.9
20°	428.0	426.8	428.0	428.0	429.2
22.5°	387.2	388.4	388.4	388.4	389.6
25°	351.3	351.3	351.3	352.5	353.7
27.5°	317.7	316.5	317.7	318.9	320.1
30°	286.5	285.3	285.3	286.5	287.7
32.5°	257.7	256.5	257.7	257.7	258.9
35°	231.4	231.4	231.4	231.4	232.6
37.5°	207.4	207.4	207.4	208.6	208.6
40°	185.8	185.8	185.8	187.0	187.0
42.5°	166.6	166.6	166.6	167.8	169.0
45°	149.9	149.9	149.9	149.9	151.1
47.5°	134.3	134.3	134.3	135.5	135.5
50°	119.9	118.7	119.9	121.1	119.9
52.5°	106.7	106.7	106.7	106.7	107.9
55°	94.7	94.7	94.7	94.7	95.9
57.5°	83.9	83.9	83.9	85.1	85.1
60°	74.3	74.3	74.3	74.3	74.3
62.5°	64.7	64.7	64.7	64.7	64.7
65°	56.3	55.1	56.3	56.3	56.3
67.5°	48.0	48.0	48.0	48.0	48.0
70°	40.8	40.8	40.8	40.8	40.8
72.5°	33.6	33.6	33.6	33.6	33.6
75°	27.6	26.4	26.4	27.6	27.6
77.5°	21.6	20.4	21.6	21.6	21.6
80°	15.6	15.6	15.6	15.6	15.6
82.5°	9.6	9.6	9.6	10.8	10.8
85°	4.8	4.8	4.8	6.0	6.0
87.5°	1.2	1.2	1.2	2.4	2.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)