

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: P1306050

Luminaire Tested: P3SQAS17R209024DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306050
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: P3SQAS17R209024DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

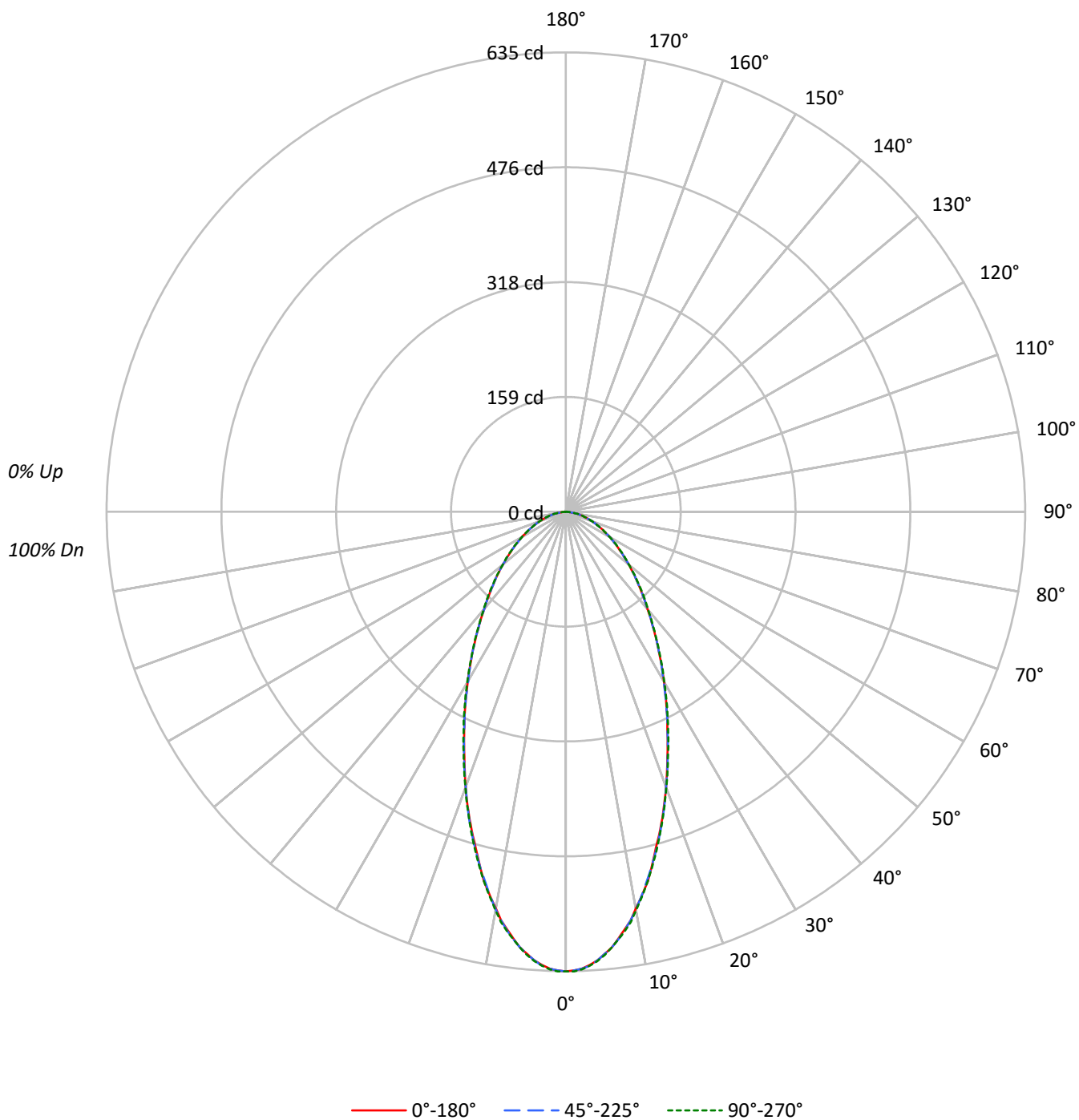
Lumens per Lamp: N/A
Luminaire Lumens: 760.0 lumens
Efficiency: N/A
Efficacy: 35.8 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1306050

CATALOG NUMBER: P3SQAS17R209024DE010 E3SQPHLD1MW

Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	111	107	104	100	108	105	102	99	101	98	96		97	95	93		93	92	90	88
2	103	96	91	86	100	94	89	85	91	87	83		88	84	81		85	82	79	77
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77	74	70	68
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71	67	63	61
5	83	72	64	59	81	71	64	58	69	63	58		67	62	57		65	61	57	55
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61	56	52	50
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56	51	47	45
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53	47	43	42
9	65	53	46	41	63	52	46	41	51	45	41		50	45	40		49	44	40	39
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	109430	109430	109430
5°	106114	106114	106322
10°	97425	97618	97828
15°	85779	86189	86385
20°	74245	74245	74447
25°	63165	63165	63602
30°	53932	53694	54151
35°	46044	46044	46275
40°	39546	39546	39793
45°	34537	34537	34829
50°	30410	30410	30410
55°	26903	26903	27264
60°	24215	24215	24215
65°	21720	21720	21720
70°	19437	19437	19437
75°	17367	16635	17367
80°	14679	14679	14679
85°	8892	8892	11263

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 34829 cd/sqm

TEST NUMBER: P1306050

CATALOG NUMBER: P3SQAS17R209024DE010 E3SQPHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.8	7.5
10°-20°	134.5	17.7
20°-30°	153.2	20.2
30°-40°	137.5	18.1
40°-50°	110.2	14.5
50°-60°	81.0	10.7
60°-70°	52.9	7.0
70°-80°	27.5	3.6
80°-90°	6.4	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°	344.5	45.3
0°-40°	482.1	63.4
0°-60°	673.2	88.6
0°-90°	760.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	760.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	635	635	635	635	635	
5°	614	614	614	614	615	57
15°	481	481	483	483	484	134
25°	332	332	332	334	335	153
35°	219	219	219	219	220	137
45°	142	142	142	142	143	110
55°	90	90	90	90	91	81
65°	53	52	53	53	53	53
75°	26	25	25	26	26	28
85°	4	4	4	6	6	6
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	635.4	635.4	635.4	635.4	635.4
1°	634.3	633.1	634.3	634.3	635.4
2°	632.0	632.0	632.0	630.9	633.1
3°	627.5	627.5	628.6	627.5	628.6
4°	621.8	621.8	621.8	620.6	622.9
5°	613.8	613.8	613.8	613.8	615.0
6°	605.9	604.8	605.9	604.8	605.9
7°	594.5	594.5	595.7	594.5	595.7
8°	583.2	582.1	584.3	583.2	585.5
9°	571.9	570.7	571.9	570.7	574.1
10°	557.1	558.2	558.2	558.2	559.4
12.5°	523.1	520.8	520.8	520.8	523.1
15°	481.1	481.1	483.4	483.4	484.5
17.5°	443.6	442.5	444.8	444.8	444.8
20°	405.1	403.9	405.1	405.1	406.2
22.5°	366.5	367.6	367.6	367.6	368.8
25°	332.4	332.4	332.4	333.6	334.7
27.5°	300.7	299.5	300.7	301.8	302.9
30°	271.2	270.0	270.0	271.2	272.3
32.5°	243.9	242.8	243.9	243.9	245.1
35°	219.0	219.0	219.0	219.0	220.1
37.5°	196.3	196.3	196.3	197.4	197.4
40°	175.9	175.9	175.9	177.0	177.0
42.5°	157.7	157.7	157.7	158.8	160.0
45°	141.8	141.8	141.8	141.8	143.0
47.5°	127.1	127.1	127.1	128.2	128.2
50°	113.5	112.3	113.5	114.6	113.5
52.5°	101.0	101.0	101.0	101.0	102.1
55°	89.6	89.6	89.6	89.6	90.8
57.5°	79.4	79.4	79.4	80.6	80.6
60°	70.3	70.3	70.3	70.3	70.3
62.5°	61.3	61.3	61.3	61.3	61.3
65°	53.3	52.2	53.3	53.3	53.3
67.5°	45.4	45.4	45.4	45.4	45.4
70°	38.6	38.6	38.6	38.6	38.6
72.5°	31.8	31.8	31.8	31.8	31.8
75°	26.1	25.0	25.0	26.1	26.1
77.5°	20.4	19.3	20.4	20.4	20.4
80°	14.8	14.8	14.8	14.8	14.8
82.5°	9.1	9.1	9.1	10.2	10.2
85°	4.5	4.5	4.5	5.7	5.7
87.5°	1.1	1.1	1.1	2.3	2.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)