

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: P1308139

Luminaire Tested: P3SQAS17R209030DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308139
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R209030DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

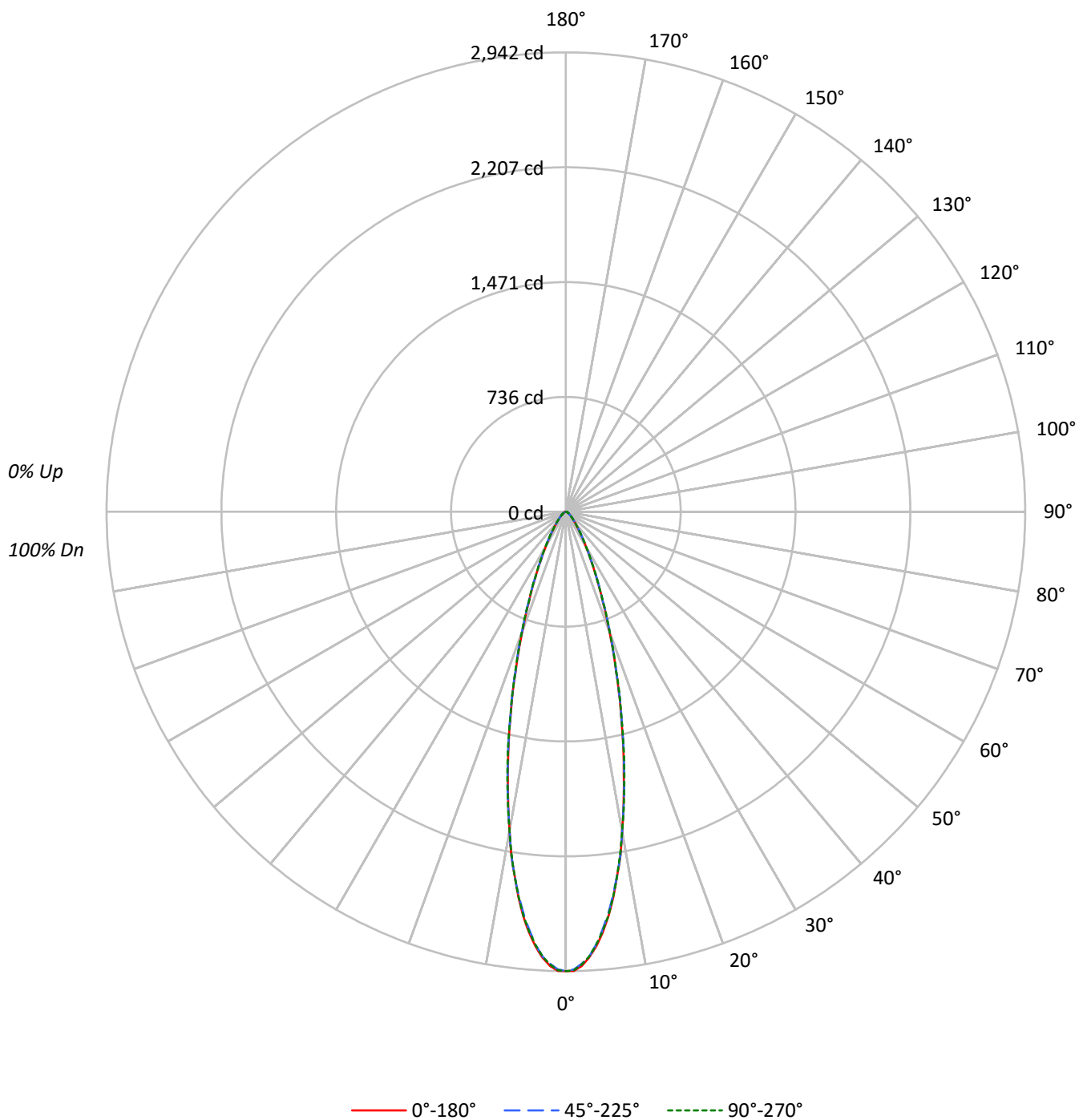
Lumens per Lamp: N/A
Luminaire Lumens: 1034.0 lumens
Efficiency: N/A
Efficacy: 48.8 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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
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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	506731	506731	506731
5°	467486	464807	466380
10°	362770	363225	363225
15°	245195	246354	246354
20°	148911	150799	151514
25°	87355	88571	88324
30°	50949	51983	52242
35°	31137	31936	31936
40°	20256	20549	20841
45°	14102	14419	14735
50°	10342	10690	10690
55°	8107	8497	8497
60°	7096	7096	7543
65°	6316	6316	6805
70°	5841	5841	5841
75°	5124	5124	5124
80°	3868	3868	5157
85°	2569	2569	5138

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 14735 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.3	22.9
10°-20°	380.0	36.7
20°-30°	220.0	21.3
30°-40°	98.7	9.5
40°-50°	46.8	4.5
50°-60°	25.6	2.5
60°-70°	15.5	1.5
70°-80°	8.3	0.8
80°-90°	1.8	0.2
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°	837.2	81.0
0°-40°	935.9	90.5
0°-60°	1008.3	97.5
0°-90°	1034.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1034.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2942	2942	2942	2942	2942	
5°	2704	2695	2689	2694	2698	238
15°	1375	1375	1382	1375	1382	379
25°	460	460	466	462	465	218
35°	148	149	152	153	152	97
45°	58	58	59	59	60	46
55°	27	27	28	28	28	25
65°	16	16	16	16	17	15
75°	8	8	8	8	8	8
85°	1	1	1	1	3	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2942.3	2942.3	2942.3	2942.3	2942.3
1°	2941.0	2933.3	2930.7	2928.2	2935.9
2°	2911.4	2902.4	2897.3	2899.8	2901.1
3°	2858.6	2853.5	2853.5	2849.6	2852.2
4°	2790.4	2780.1	2780.1	2781.4	2781.4
5°	2704.1	2695.1	2688.6	2693.8	2697.7
6°	2607.5	2595.9	2590.8	2592.1	2601.1
7°	2489.1	2473.6	2476.2	2482.6	2482.6
8°	2355.1	2353.9	2356.4	2353.9	2356.4
9°	2231.5	2213.5	2229.0	2216.1	2222.5
10°	2074.4	2073.1	2077.0	2080.9	2077.0
12.5°	1716.5	1722.9	1725.5	1720.3	1731.9
15°	1375.2	1375.2	1381.7	1375.2	1381.7
17.5°	1070.1	1068.8	1073.9	1068.8	1076.5
20°	812.5	821.5	822.8	822.8	826.7
22.5°	612.9	612.9	618.1	619.4	616.8
25°	459.7	459.7	466.1	462.3	464.8
27.5°	339.9	342.5	347.7	350.2	350.2
30°	256.2	257.5	261.4	262.7	262.7
32.5°	193.2	195.7	198.3	199.6	200.9
35°	148.1	149.4	151.9	153.2	151.9
37.5°	113.3	114.6	117.2	118.5	118.5
40°	90.1	90.1	91.4	92.7	92.7
42.5°	70.8	72.1	72.1	73.4	73.4
45°	57.9	57.9	59.2	59.2	60.5
47.5°	46.4	46.4	47.6	48.9	48.9
50°	38.6	38.6	39.9	39.9	39.9
52.5°	32.2	32.2	33.5	33.5	33.5
55°	27.0	27.0	28.3	28.3	28.3
57.5°	23.2	23.2	24.5	24.5	24.5
60°	20.6	20.6	20.6	20.6	21.9
62.5°	18.0	18.0	18.0	18.0	18.0
65°	15.5	15.5	15.5	15.5	16.7
67.5°	12.9	12.9	12.9	12.9	14.2
70°	11.6	11.6	11.6	11.6	11.6
72.5°	9.0	9.0	9.0	10.3	10.3
75°	7.7	7.7	7.7	7.7	7.7
77.5°	6.4	6.4	6.4	6.4	6.4
80°	3.9	3.9	3.9	5.2	5.2
82.5°	2.6	2.6	2.6	2.6	2.6
85°	1.3	1.3	1.3	1.3	2.6
87.5°	0.0	0.0	0.0	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)