

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: P1309257

Luminaire Tested: P3SQAS17R209035DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309257
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: P3SQAS17R209035DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

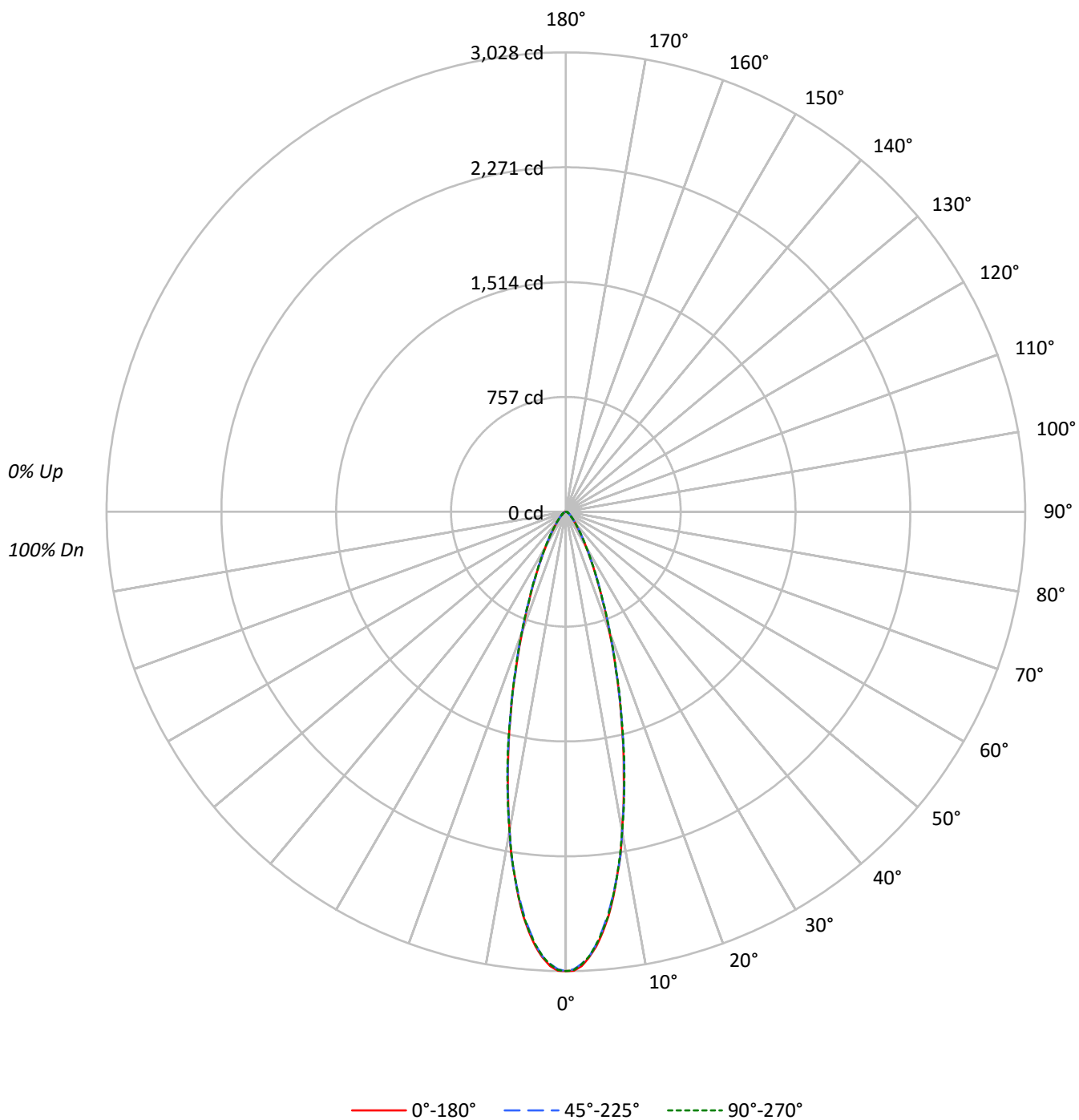
Lumens per Lamp: N/A
Luminaire Lumens: 1064.1 lumens
Efficiency: N/A
Efficacy: 50.2 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	521438	521438	521438
5°	481057	478308	479899
10°	373298	373770	373770
15°	252309	253504	253504
20°	153237	155179	155912
25°	89883	91156	90890
30°	52441	53495	53753
35°	32041	32882	32882
40°	20863	21156	21448
45°	14516	14857	15174
50°	10664	11012	11012
55°	8347	8768	8768
60°	7302	7302	7750
65°	6479	6479	7009
70°	5992	5992	5992
75°	5323	5323	5323
80°	3967	3967	5256
85°	2569	2569	5335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 15174 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.1	22.9
10°-20°	391.0	36.7
20°-30°	226.4	21.3
30°-40°	101.5	9.5
40°-50°	48.1	4.5
50°-60°	26.4	2.5
60°-70°	16.0	1.5
70°-80°	8.6	0.8
80°-90°	1.9	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°	861.5	81.0
0°-40°	963.1	90.5
0°-60°	1037.6	97.5
0°-90°	1064.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1064.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3028	3028	3028	3028	3028	
5°	2783	2773	2767	2772	2776	245
15°	1415	1415	1422	1415	1422	390
25°	473	473	480	476	478	224
35°	152	154	156	158	156	99
45°	60	60	61	61	62	47
55°	28	28	29	29	29	26
65°	16	16	16	16	17	16
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°	3027.7	3027.7	3027.7	3027.7	3027.7
1°	3026.4	3018.4	3015.8	3013.1	3021.1
2°	2995.9	2986.6	2981.3	2984.0	2985.3
3°	2941.6	2936.3	2936.3	2932.3	2934.9
4°	2871.3	2860.7	2860.7	2862.1	2862.1
5°	2782.6	2773.3	2766.7	2772.0	2775.9
6°	2683.2	2671.3	2666.0	2667.3	2676.6
7°	2561.3	2545.4	2548.0	2554.7	2554.7
8°	2423.5	2422.1	2424.8	2422.1	2424.8
9°	2296.3	2277.7	2293.6	2280.4	2287.0
10°	2134.6	2133.3	2137.3	2141.2	2137.3
12.5°	1766.3	1772.9	1775.5	1770.2	1782.2
15°	1415.1	1415.1	1421.8	1415.1	1421.8
17.5°	1101.1	1099.8	1105.1	1099.8	1107.7
20°	836.1	845.4	846.7	846.7	850.7
22.5°	630.7	630.7	636.0	637.3	634.7
25°	473.0	473.0	479.7	475.7	478.3
27.5°	349.8	352.5	357.8	360.4	360.4
30°	263.7	265.0	269.0	270.3	270.3
32.5°	198.8	201.4	204.1	205.4	206.7
35°	152.4	153.7	156.4	157.7	156.4
37.5°	116.6	117.9	120.6	121.9	121.9
40°	92.8	92.8	94.1	95.4	95.4
42.5°	72.9	74.2	74.2	75.5	75.5
45°	59.6	59.6	61.0	61.0	62.3
47.5°	47.7	47.7	49.0	50.4	50.4
50°	39.8	39.8	41.1	41.1	41.1
52.5°	33.1	33.1	34.5	34.5	34.5
55°	27.8	27.8	29.2	29.2	29.2
57.5°	23.9	23.9	25.2	25.2	25.2
60°	21.2	21.2	21.2	21.2	22.5
62.5°	18.6	18.6	18.6	18.6	18.6
65°	15.9	15.9	15.9	15.9	17.2
67.5°	13.3	13.3	13.3	13.3	14.6
70°	11.9	11.9	11.9	11.9	11.9
72.5°	9.3	9.3	9.3	10.6	10.6
75°	8.0	8.0	8.0	8.0	8.0
77.5°	6.6	6.6	6.6	6.6	6.6
80°	4.0	4.0	4.0	5.3	5.3
82.5°	2.7	2.7	2.7	2.7	2.7
85°	1.3	1.3	1.3	1.3	2.7
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)