

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: P1309405

Luminaire Tested: P3SQAS20R209035D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309405
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R209035D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

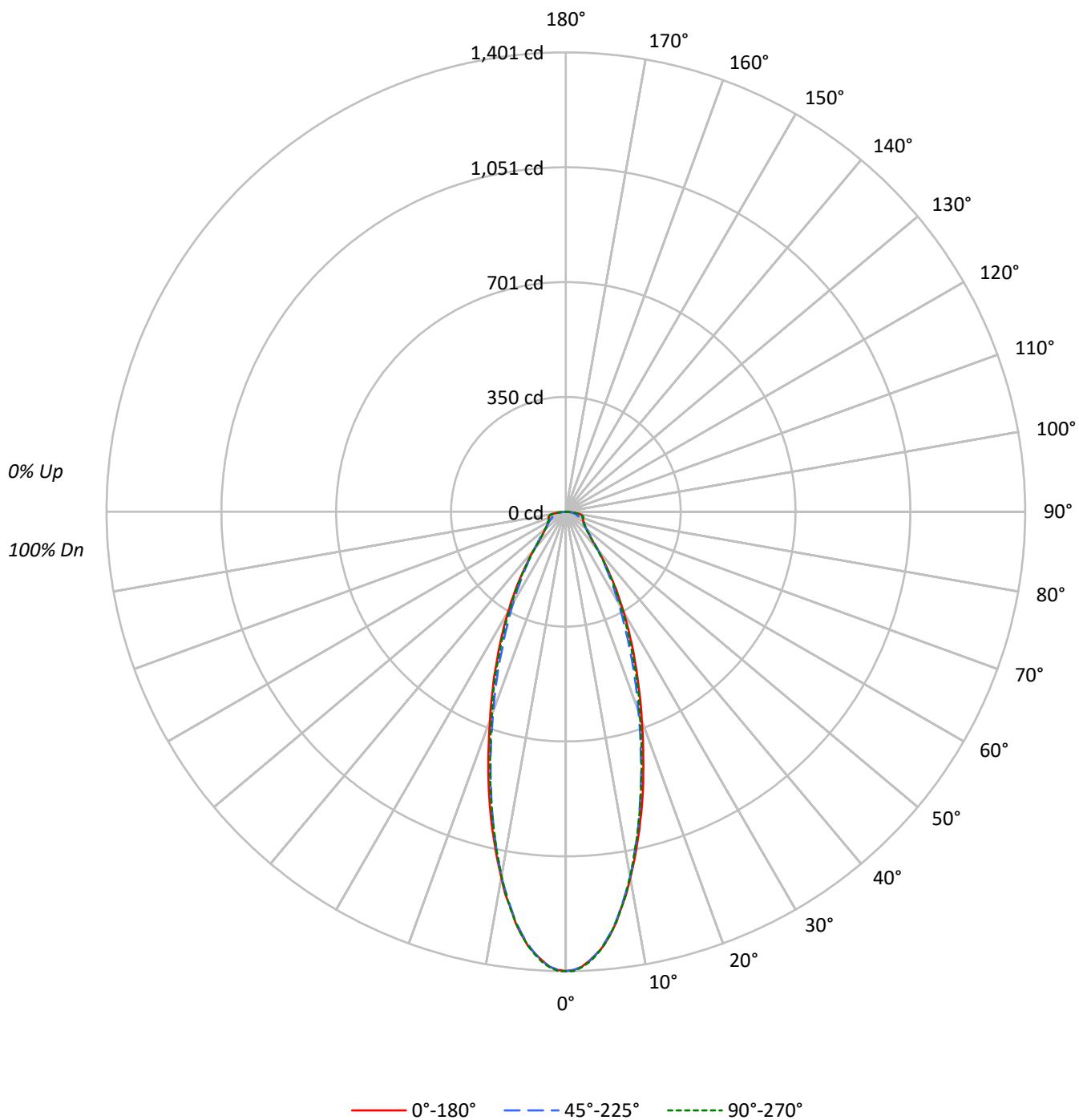
Lumens per Lamp: N/A
Luminaire Lumens: 988.0 lumens
Efficiency: N/A
Efficacy: 34.3 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	111	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	98	90	84	79	96	88	83	78	85	81	77		83	79	75		81
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	68	64		72	67	63		71
6	82	72	65	60	81	71	65	60	69	64	59		68	63	59		67
7	78	67	61	56	77	67	60	56	65	60	55		64	59	55		63
8	74	63	57	52	73	63	57	52	62	56	52		61	55	52		60
9	71	60	53	49	69	59	53	49	58	53	49		57	52	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	241284	241284	241284
5°	229585	228980	229585
10°	198191	197579	197282
15°	160843	157134	157740
20°	123931	118506	120742
25°	94139	87203	91498
30°	69822	63597	67754
35°	49345	46044	48609
40°	33993	33993	33206
45°	24989	26256	24989
50°	21890	21890	21890
55°	20868	20358	20868
60°	21562	19771	21562
65°	23391	19846	23391
70°	27997	20142	27997
75°	35866	21959	35866
80°	44829	22414	43143
85°	34383	20551	37742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 44829 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.2	12.2
10°-20°	245.4	24.8
20°-30°	219.1	22.2
30°-40°	143.8	14.6
40°-50°	83.6	8.5
50°-60°	62.0	6.3
60°-70°	52.4	5.3
70°-80°	43.3	4.4
80°-90°	18.1	1.8
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°	584.7	59.2
0°-40°	728.5	73.7
0°-60°	874.2	88.5
0°-90°	988.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	988.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1401	1401	1401	1401	1401	
5°	1328	1326	1324	1326	1328	120
15°	902	893	881	883	885	249
25°	495	482	459	471	482	228
35°	235	228	219	226	231	149
45°	103	104	108	104	103	82
55°	70	68	68	68	70	63
65°	57	52	49	52	57	57
75°	54	40	33	40	54	55
85°	17	19	10	19	19	20
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1401.0	1401.0	1401.0	1401.0	1401.0
1°	1397.5	1399.2	1397.5	1399.2	1401.0
2°	1388.8	1390.5	1388.8	1388.8	1390.5
3°	1371.4	1373.2	1373.2	1373.2	1374.9
4°	1350.6	1352.3	1350.6	1352.3	1354.0
5°	1328.0	1326.2	1324.5	1326.2	1328.0
6°	1296.7	1294.9	1293.2	1294.9	1296.7
7°	1261.9	1260.2	1258.4	1258.4	1260.2
8°	1218.5	1220.2	1215.0	1218.5	1220.2
9°	1180.2	1176.8	1173.3	1173.3	1176.8
10°	1133.3	1129.8	1129.8	1128.1	1128.1
12.5°	1018.6	1011.6	1006.4	1006.4	1008.1
15°	902.1	893.4	881.3	883.0	884.7
17.5°	785.7	775.2	759.6	763.1	766.5
20°	676.2	665.7	646.6	653.6	658.8
22.5°	582.3	566.6	549.3	554.5	571.9
25°	495.4	481.5	458.9	471.0	481.5
27.5°	418.9	403.3	384.1	396.3	406.7
30°	351.1	337.2	319.8	330.3	340.7
32.5°	290.3	278.1	265.9	272.9	281.6
35°	234.7	227.7	219.0	226.0	231.2
37.5°	189.5	186.0	182.5	186.0	184.2
40°	151.2	153.0	151.2	151.2	147.7
42.5°	119.9	125.1	126.9	123.4	119.9
45°	102.6	104.3	107.8	104.3	102.6
47.5°	90.4	90.4	92.1	90.4	88.6
50°	81.7	81.7	81.7	81.7	81.7
52.5°	74.7	74.7	73.0	74.7	74.7
55°	69.5	67.8	67.8	67.8	69.5
57.5°	66.1	64.3	62.6	64.3	66.1
60°	62.6	59.1	57.4	59.1	62.6
62.5°	59.1	55.6	53.9	55.6	59.1
65°	57.4	52.1	48.7	52.1	57.4
67.5°	55.6	48.7	45.2	48.7	57.4
70°	55.6	45.2	40.0	46.9	55.6
72.5°	53.9	43.5	36.5	43.5	53.9
75°	53.9	40.0	33.0	40.0	53.9
77.5°	50.4	36.5	27.8	36.5	50.4
80°	45.2	33.0	22.6	33.0	43.5
82.5°	33.0	27.8	17.4	27.8	33.0
85°	17.4	19.1	10.4	19.1	19.1
87.5°	1.7	7.0	3.5	10.4	8.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)