

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: P1315651

Luminaire Tested: P3SQAS20R259740D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315651
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259740D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

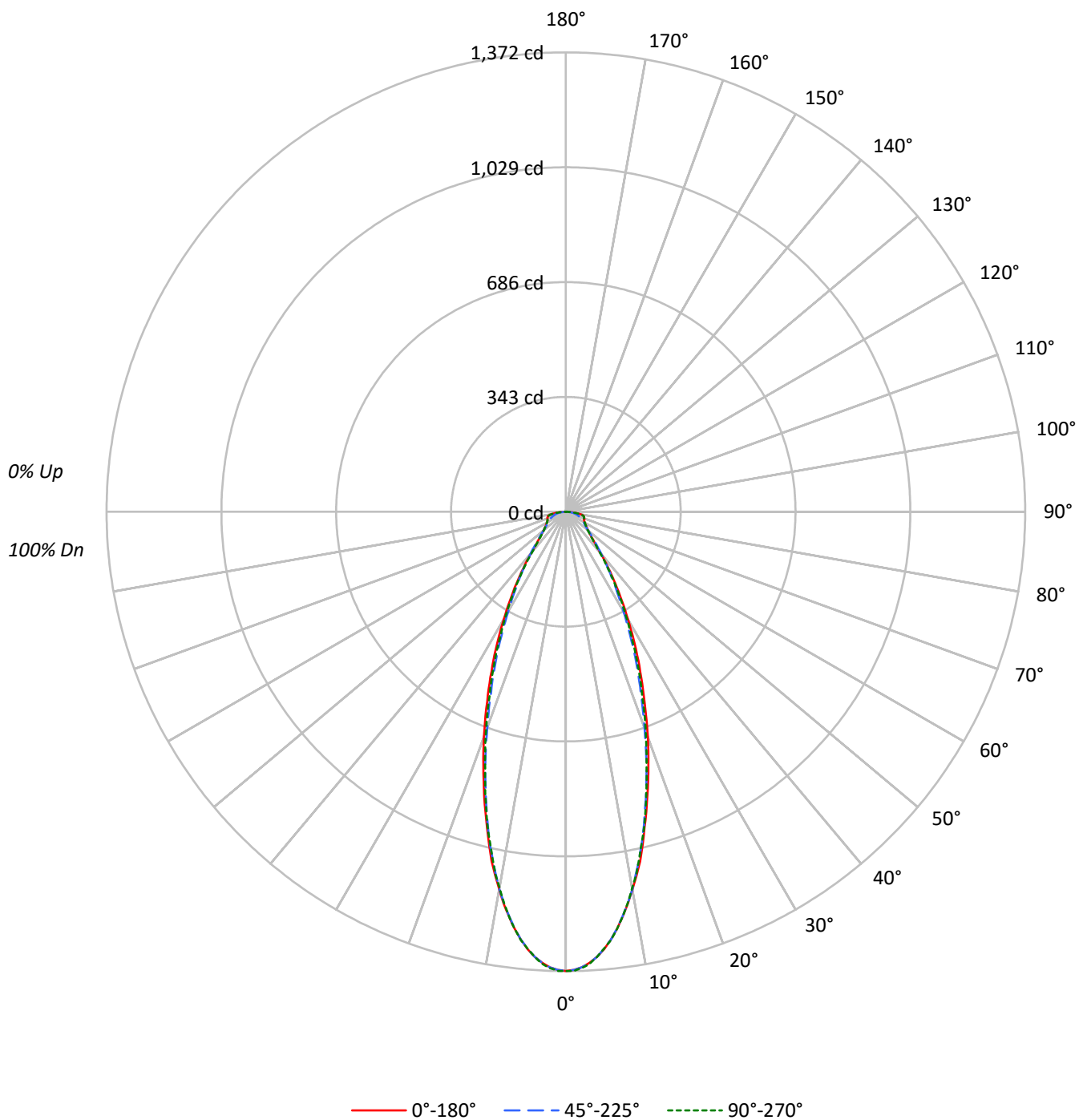
Lumens per Lamp: N/A
Luminaire Lumens: 1036.0 lumens
Efficiency: N/A
Efficacy: 36.0 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	236238	236238	236238
5°	226681	226387	226387
10°	200377	200097	199520
15°	165478	163143	164034
20°	131097	125709	127798
25°	99859	94557	97047
30°	73560	68370	71293
35°	52645	50249	50942
40°	36061	36803	34960
45°	26718	28302	26304
50°	23256	23256	22801
55°	22129	21138	22129
60°	22561	20873	22561
65°	24695	21354	24695
70°	29659	21451	28853
75°	37064	22890	37064
80°	47110	24398	43837
85°	38730	22724	38730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 47110 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.7	11.6
10°-20°	254.3	24.5
20°-30°	233.1	22.5
30°-40°	153.7	14.8
40°-50°	89.5	8.6
50°-60°	65.4	6.3
60°-70°	55.5	5.4
70°-80°	45.9	4.4
80°-90°	18.9	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°	607.1	58.6
0°-40°	760.8	73.4
0°-60°	915.7	88.4
0°-90°	1036.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1036.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1372	1372	1372	1372	1372	
5°	1311	1310	1310	1311	1310	120
15°	928	925	915	918	920	257
25°	526	511	498	499	511	242
35°	250	246	239	239	242	158
45°	110	113	116	110	108	88
55°	74	74	70	72	74	67
65°	61	56	52	56	61	60
75°	56	43	34	43	56	58
85°	20	21	12	21	20	22
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1371.7	1371.7	1371.7	1371.7	1371.7
1°	1368.5	1368.5	1368.5	1368.5	1371.7
2°	1361.9	1360.3	1361.9	1361.9	1363.6
3°	1348.8	1348.8	1348.8	1348.8	1352.1
4°	1332.5	1332.5	1332.5	1332.5	1332.5
5°	1311.2	1309.5	1309.5	1311.2	1309.5
6°	1285.0	1285.0	1285.0	1285.0	1286.6
7°	1255.5	1253.9	1253.9	1252.2	1255.5
8°	1221.1	1221.1	1219.5	1217.9	1221.1
9°	1185.1	1186.8	1183.5	1181.9	1181.9
10°	1145.8	1144.2	1144.2	1144.2	1140.9
11°	1106.6	1101.6	1100.0	1100.0	1103.3
12°	1067.3	1059.1	1055.8	1055.8	1055.8
13°	1019.8	1016.5	1011.6	1008.3	1010.0
14°	972.3	972.3	964.1	964.1	967.4
15°	928.1	924.9	915.0	918.3	920.0
17.5°	818.5	811.9	800.5	800.5	802.1
20°	715.3	703.9	685.9	694.1	697.3
22.5°	613.8	602.4	584.4	592.6	595.8
25°	525.5	510.7	497.6	499.3	510.7
27.5°	445.2	428.9	415.8	420.7	427.2
30°	369.9	360.1	343.8	351.9	358.5
32.5°	306.1	297.9	286.5	291.4	297.9
35°	250.4	245.5	239.0	239.0	242.3
37.5°	203.0	201.3	198.1	196.4	194.8
40°	160.4	163.7	163.7	160.4	155.5
42.5°	131.0	134.2	137.5	131.0	126.0
45°	109.7	112.9	116.2	109.7	108.0
47.5°	96.6	98.2	99.9	96.6	94.9
50°	86.8	86.8	86.8	85.1	85.1
52.5°	80.2	78.6	76.9	78.6	78.6
55°	73.7	73.7	70.4	72.0	73.7
57.5°	68.8	67.1	65.5	67.1	68.8
60°	65.5	62.2	60.6	62.2	65.5
62.5°	62.2	58.9	55.7	58.9	62.2
65°	60.6	55.7	52.4	55.7	60.6
67.5°	58.9	52.4	47.5	52.4	58.9
70°	58.9	49.1	42.6	49.1	57.3
72.5°	57.3	45.8	39.3	45.8	57.3
75°	55.7	42.6	34.4	42.6	55.7
77.5°	54.0	39.3	29.5	39.3	52.4
80°	47.5	36.0	24.6	36.0	44.2
82.5°	34.4	29.5	19.6	29.5	32.7
85°	19.6	21.3	11.5	21.3	19.6
87.5°	3.3	4.9	3.3	8.2	6.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)