

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: P1309532

Luminaire Tested: P3SQAS24R159035D010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309532
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R159035D010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

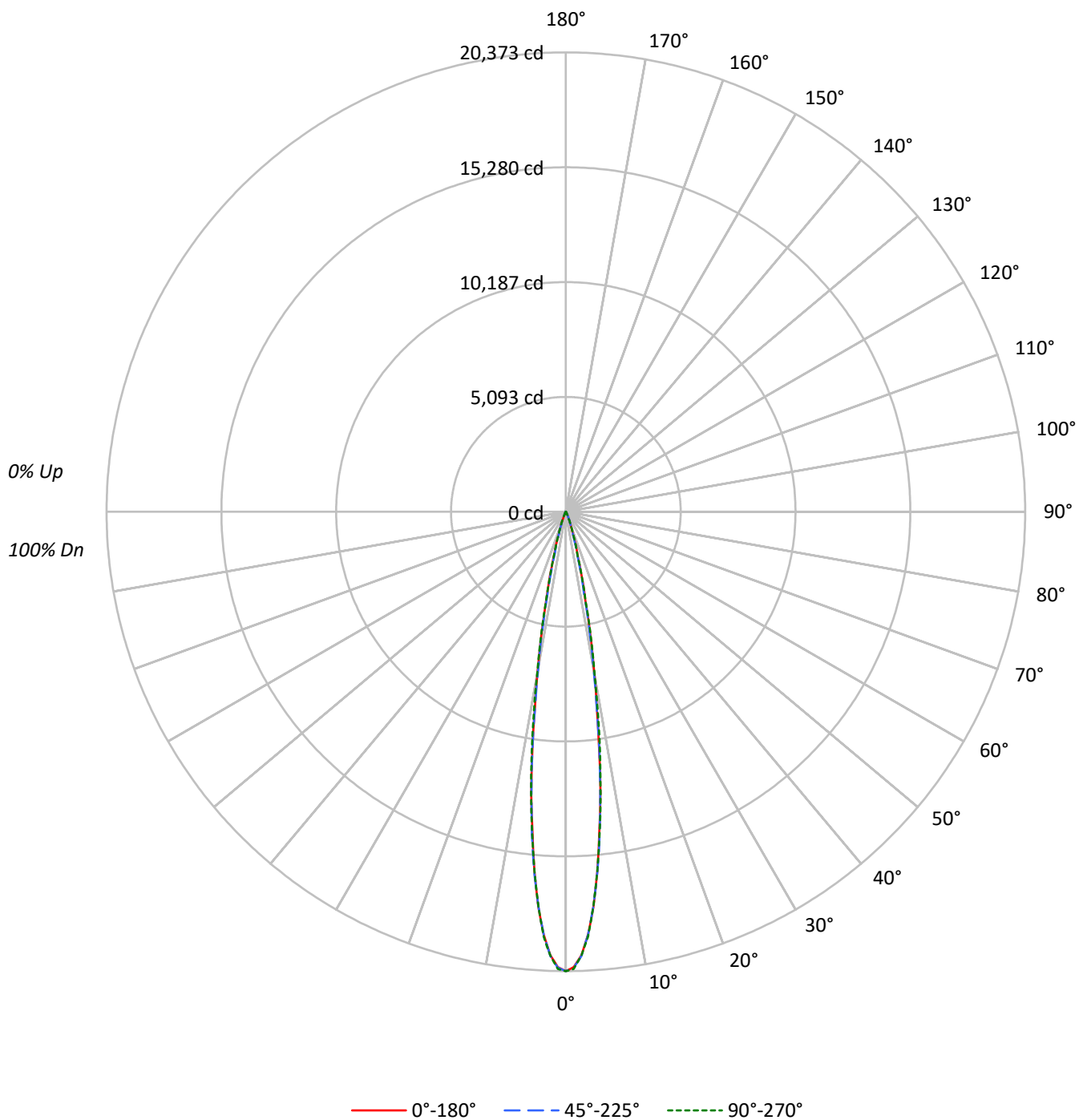
Lumens per Lamp: N/A
Luminaire Lumens: 2040.0 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1309532

CATALOG NUMBER: P3SQAS24R159035D010 E3SQPH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1309532

CATALOG NUMBER: P3SQAS24R159035D010 E3SQPH1MW

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	98	98	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	97	97	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	95	95	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	93	93	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	92	92	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	89	89	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88	88	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3508761	3508761	3508761
5°	2767713	2775130	2765241
10°	1266250	1233058	1293006
15°	376494	336110	368863
20°	111798	108444	117406
25°	31791	41103	36827
30°	11355	12171	10957
35°	4289	3869	3869
40°	1844	922	1371
45°	999	487	999
50°	536	0	536
55°	601	0	601
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 1045 cd/sqm

TEST NUMBER: P1309532

CATALOG NUMBER: P3SQAS24R159035D010 E3SQPH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1231.0	60.3
10°-20°	683.4	33.5
20°-30°	108.8	5.3
30°-40°	14.2	0.7
40°-50°	2.1	0.1
50°-60°	0.5	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	2023.1	99.2
0°-40°	2037.4	99.9
0°-60°	2040.0	100.0
0°-90°	2040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2040.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20373	20373	20373	20373	20373	
5°	16009	16144	16052	15984	15995	1228
15°	2112	2085	1885	2003	2069	697
25°	167	188	216	215	194	102
35°	20	20	18	20	18	15
45°	4	3	2	2	4	4
55°	2	0	0	0	2	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1309532

CATALOG NUMBER: P3SQAS24R159035D010 E3SQPH1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	20373.4	20373.4	20373.4	20373.4	20373.4	20373.4	20373.4	20373.4	20373.4	20373.4	20373.4
1°	20197.9	20220.4	20248.9	20222.4	20197.9	20220.4	20189.8	20193.9	20169.4	20222.4	20281.6
2°	19683.8	19712.4	19696.1	19659.3	19716.5	19720.5	19657.3	19626.7	19622.6	19675.7	19696.1
3°	18773.9	18839.2	18841.2	18829.0	18810.6	18773.9	18708.6	18751.4	18692.3	18655.6	18863.7
4°	17564.0	17621.2	17688.5	17643.6	17509.0	17521.2	17564.0	17419.2	17427.4	17511.0	17517.1
5°	16009.4	16182.8	16191.0	16127.8	16021.7	16052.3	16021.7	15980.9	15995.1	16048.2	15995.1
6°	14179.4	14375.2	14230.4	14369.1	14338.5	14377.3	14387.5	14344.6	14375.2	14342.6	14332.4
7°	12598.2	12449.3	12469.7	12412.6	12473.8	12514.6	12539.0	12465.6	12524.8	12618.6	12645.1
8°	10637.6	10594.7	10551.9	10653.9	10625.3	10674.3	10704.9	10786.5	10782.4	10811.0	10904.8
9°	8770.8	8834.0	8872.8	8783.0	8860.6	8709.6	8762.6	8980.9	8923.8	8980.9	9148.2
10°	7240.7	7291.7	7234.5	7232.5	7150.9	7050.9	7044.8	7126.4	7297.8	7432.4	7393.7
12.5°	3994.7	4039.6	4045.7	4041.6	3894.7	3729.5	3760.1	3825.4	3931.5	3976.3	4049.8
15°	2111.6	2109.6	2132.0	2068.8	1991.2	1885.1	1893.3	1983.1	2062.6	2083.0	2068.8
17.5°	1083.3	1087.4	1103.7	1087.4	1005.8	1016.0	1038.5	1048.7	1095.6	1113.9	1103.7
20°	610.0	612.1	610.0	616.1	583.5	591.7	620.2	622.3	632.5	642.7	640.6
22.5°	348.9	350.9	363.2	359.1	350.9	361.1	367.2	377.4	381.5	377.4	389.7
25°	167.3	169.3	169.3	193.8	206.1	216.3	220.3	216.3	212.2	195.9	193.8
27.5°	95.9	95.9	100.0	102.0	106.1	124.5	122.4	102.0	85.7	85.7	87.7
30°	57.1	55.1	55.1	57.1	59.2	61.2	57.1	55.1	55.1	57.1	55.1
32.5°	34.7	34.7	34.7	32.6	32.6	30.6	30.6	34.7	34.7	34.7	34.7
35°	20.4	20.4	20.4	20.4	18.4	18.4	18.4	20.4	20.4	18.4	18.4
37.5°	12.2	12.2	12.2	10.2	10.2	8.2	10.2	10.2	10.2	10.2	10.2
40°	8.2	8.2	6.1	6.1	4.1	4.1	4.1	6.1	6.1	6.1	6.1
42.5°	6.1	6.1	4.1	4.1	2.0	2.0	2.0	4.1	4.1	4.1	4.1
45°	4.1	4.1	4.1	2.0	2.0	2.0	2.0	2.0	2.0	4.1	4.1
47.5°	4.1	4.1	2.0	2.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
50°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
52.5°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
55°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)