

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: P1307402

Luminaire Tested: P3SQAS24R559027D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307402
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R559027D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

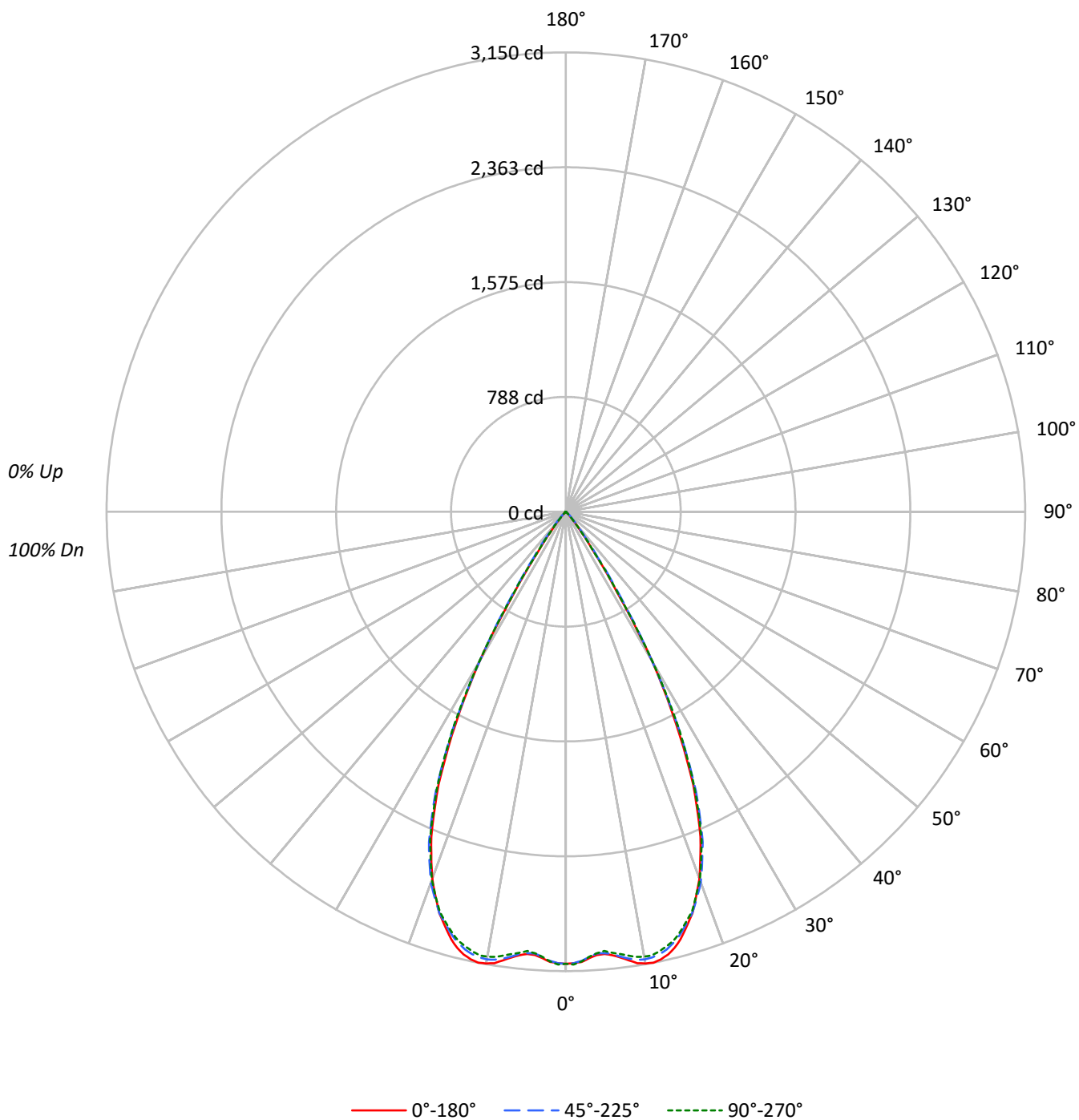
Lumens per Lamp: N/A
Luminaire Lumens: 2376.9 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1307402

CATALOG NUMBER: P3SQAS24R559027D010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1307402

CATALOG NUMBER: P3SQAS24R559027D010 E3SQCD1MW

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	112	109	107	105	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	98	94	90	102	97	93	90	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	95	88	82	79	94	87	82	78	85	81	78		83	80	77		82
6	91	83	78	74	90	82	77	74	81	76	73		79	76	73		78
7	87	79	73	70	86	78	73	69	77	72	69		76	72	69		75
8	83	75	69	66	82	74	69	66	73	69	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	62	59	76	67	62	59	67	62	59		66	62	59		65

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	533839	533839	533839
5°	526179	525246	522756
10°	549978	545222	541759
15°	541384	536552	534288
20°	490903	495889	492241
25°	392557	400804	397023
30°	235417	235417	238301
35°	68014	80566	70306
40°	19514	26416	19514
45°	4408	10132	4408
50°	1929	3403	1447
55°	1621	1621	1621
60°	1860	1860	1860
65°	1467	1467	1467
70°	1813	1813	1813
75°	1198	1198	1198
80°	1785	1785	1785
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 10132 cd/sqm

TEST NUMBER: P1307402

CATALOG NUMBER: P3SQAS24R559027D010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.9	12.4
10°-20°	837.7	35.2
20°-30°	922.9	38.8
30°-40°	282.3	11.9
40°-50°	27.9	1.2
50°-60°	5.2	0.2
60°-70°	4.1	0.2
70°-80°	2.3	0.1
80°-90°	0.7	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°	2054.5	86.4
0°-40°	2336.8	98.3
0°-60°	2369.8	99.7
0°-90°	2376.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2376.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3100	3100	3100	3100	3100	
5°	3044	3044	3038	3029	3024	295
15°	3036	3031	3009	2997	2997	842
25°	2066	2086	2109	2129	2089	910
35°	324	340	383	352	334	265
45°	18	27	42	27	18	21
55°	5	5	5	5	5	5
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

TEST NUMBER: P1307402

CATALOG NUMBER: P3SQAS24R559027D010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3099.7	3099.7	3099.7	3099.7	3099.7
1°	3096.1	3097.9	3096.1	3092.4	3105.1
2°	3088.8	3087.0	3081.6	3079.8	3085.2
3°	3065.3	3065.3	3058.1	3054.5	3056.3
4°	3047.3	3047.3	3036.4	3032.8	3034.6
5°	3043.6	3043.6	3038.2	3029.2	3023.8
6°	3058.1	3061.7	3049.1	3040.0	3040.0
7°	3079.8	3081.6	3072.6	3059.9	3056.3
8°	3106.9	3108.7	3094.2	3079.8	3072.6
9°	3134.0	3130.4	3110.5	3096.1	3090.6
10°	3144.9	3143.0	3117.7	3103.3	3097.9
11°	3150.3	3141.2	3112.3	3099.7	3097.9
12°	3137.6	3130.4	3099.7	3087.0	3081.6
13°	3115.9	3105.1	3079.8	3067.1	3059.9
14°	3081.6	3070.8	3047.3	3032.8	3034.6
15°	3036.4	3031.0	3009.3	2996.6	2996.6
17.5°	2886.4	2890.0	2884.6	2879.2	2875.6
20°	2678.5	2693.0	2705.7	2698.4	2685.8
22.5°	2412.9	2438.2	2452.6	2456.2	2432.7
25°	2065.8	2085.7	2109.2	2129.1	2089.3
27.5°	1633.9	1652.0	1673.6	1686.3	1680.9
30°	1183.8	1185.6	1183.8	1207.3	1198.3
32.5°	657.9	712.1	721.1	737.4	679.6
35°	323.5	339.8	383.2	352.4	334.4
37.5°	155.4	166.3	207.8	169.9	162.7
40°	86.8	94.0	117.5	97.6	86.8
42.5°	41.6	54.2	63.3	56.0	41.6
45°	18.1	27.1	41.6	27.1	18.1
47.5°	7.2	10.8	25.3	10.8	7.2
50°	7.2	5.4	12.7	5.4	5.4
52.5°	5.4	5.4	7.2	5.4	5.4
55°	5.4	5.4	5.4	5.4	5.4
57.5°	5.4	5.4	5.4	5.4	5.4
60°	5.4	5.4	5.4	5.4	5.4
62.5°	3.6	5.4	5.4	5.4	3.6
65°	3.6	3.6	3.6	3.6	3.6
67.5°	3.6	3.6	3.6	3.6	3.6
70°	3.6	3.6	3.6	3.6	3.6
72.5°	1.8	3.6	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1307402

CATALOG NUMBER: P3SQAS24R559027D010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)