

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: P1307382

Luminaire Tested: P3SQAS24R459027D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307382
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R459027D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

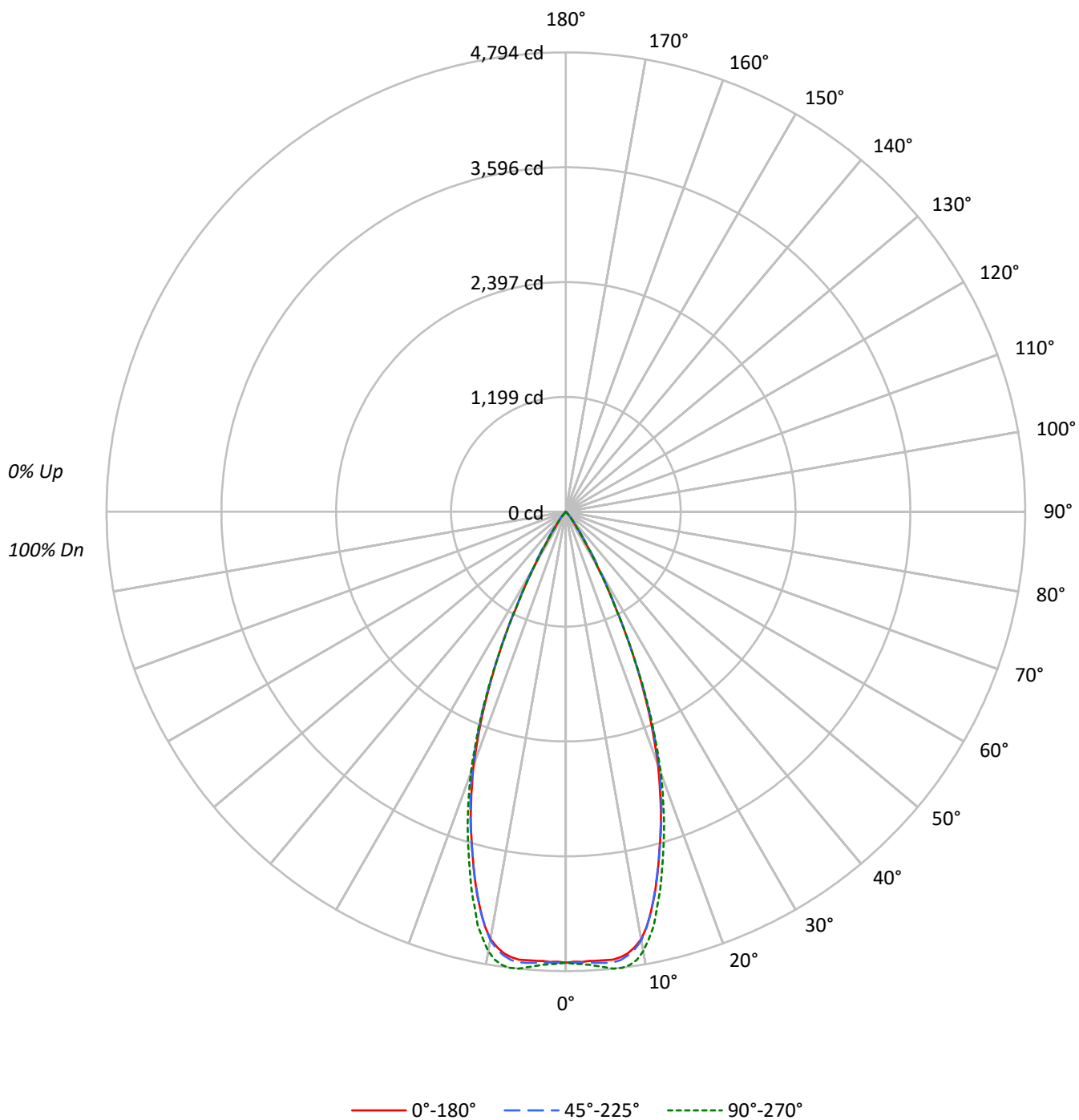
Lumens per Lamp: N/A
Luminaire Lumens: 2433.0 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1307382

CATALOG NUMBER: P3SQAS24R459027D010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1307382

CATALOG NUMBER: P3SQAS24R459027D010 E3SQCD1MB

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	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	103	100	108	104	101	99	101	99	96		98	96	94		95
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		89
5	98	91	86	83	96	90	86	82	88	85	82		87	83	81		85
6	94	87	82	78	93	86	81	78	85	81	78		83	80	77		82
7	91	83	78	75	89	82	78	74	81	77	74		80	76	74		79
8	87	79	75	71	86	79	74	71	78	74	71		77	73	70		76
9	84	76	71	68	83	76	71	68	75	71	68		74	70	68		73
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	810445	810445	810445
5°	812296	816981	825124
10°	791959	793550	814414
15°	668136	668457	690388
20°	515756	523050	531664
25°	319967	320309	322361
30°	131987	140260	129839
35°	41061	50185	39547
40°	12612	17491	11781
45°	877	6600	877
50°	0	965	0
55°	0	0	0
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: 45°

Vertical Angle: 45°

Luminance: 6600 cd/sqm

TEST NUMBER: P1307382

CATALOG NUMBER: P3SQAS24R459027D010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	447.9	18.4
10°-20°	1041.4	42.8
20°-30°	763.9	31.4
30°-40°	164.2	6.7
40°-50°	15.6	0.6
50°-60°	0.1	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°	2253.1	92.6
0°-40°	2417.3	99.4
0°-60°	2433.0	100.0
0°-90°	2433.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2433.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4706	4706	4706	4706	4706	
5°	4699	4711	4726	4758	4773	444
15°	3747	3740	3749	3809	3872	1032
25°	1684	1678	1686	1686	1696	755
35°	195	210	239	204	188	154
45°	4	11	27	11	4	9
55°	0	0	0	0	0	0
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: P1307382

CATALOG NUMBER: P3SQAS24R459027D010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4705.8	4705.8	4705.8	4705.8	4705.8
1°	4696.8	4707.7	4707.7	4714.9	4718.5
2°	4700.4	4707.7	4705.8	4718.5	4723.9
3°	4695.0	4707.7	4711.3	4725.7	4734.8
4°	4696.8	4707.7	4718.5	4740.2	4752.9
5°	4698.6	4711.3	4725.7	4758.3	4772.8
6°	4700.4	4709.5	4725.7	4767.3	4794.5
7°	4682.3	4695.0	4713.1	4765.5	4794.5
8°	4653.4	4660.6	4675.1	4743.8	4778.2
9°	4599.1	4597.3	4619.0	4695.0	4734.8
10°	4528.6	4506.9	4537.7	4613.6	4657.0
11°	4414.7	4391.2	4418.3	4499.7	4541.3
12°	4266.4	4266.4	4271.8	4344.1	4416.5
13°	4109.0	4090.9	4101.8	4183.2	4233.8
14°	3935.4	3917.3	3928.2	3989.7	4069.2
15°	3747.3	3740.1	3749.1	3808.8	3872.1
17.5°	3300.6	3284.3	3316.9	3376.6	3409.1
20°	2814.1	2841.2	2853.9	2891.9	2900.9
22.5°	2255.3	2284.2	2302.3	2307.7	2313.1
25°	1683.8	1678.3	1685.6	1685.6	1696.4
27.5°	1106.8	1106.8	1126.7	1114.1	1101.4
30°	663.7	690.9	705.3	681.8	652.9
32.5°	361.7	388.8	412.3	378.0	352.7
35°	195.3	209.8	238.7	204.4	188.1
37.5°	106.7	119.4	137.4	115.7	106.7
40°	56.1	68.7	77.8	68.7	52.4
42.5°	18.1	34.4	45.2	34.4	16.3
45°	3.6	10.9	27.1	10.9	3.6
47.5°	0.0	1.8	12.7	1.8	0.0
50°	0.0	0.0	3.6	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
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: P1307382

CATALOG NUMBER: P3SQAS24R459027D010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)