

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: P1308411

Luminaire Tested: P3SQAS24R159030D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308411
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R159030D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

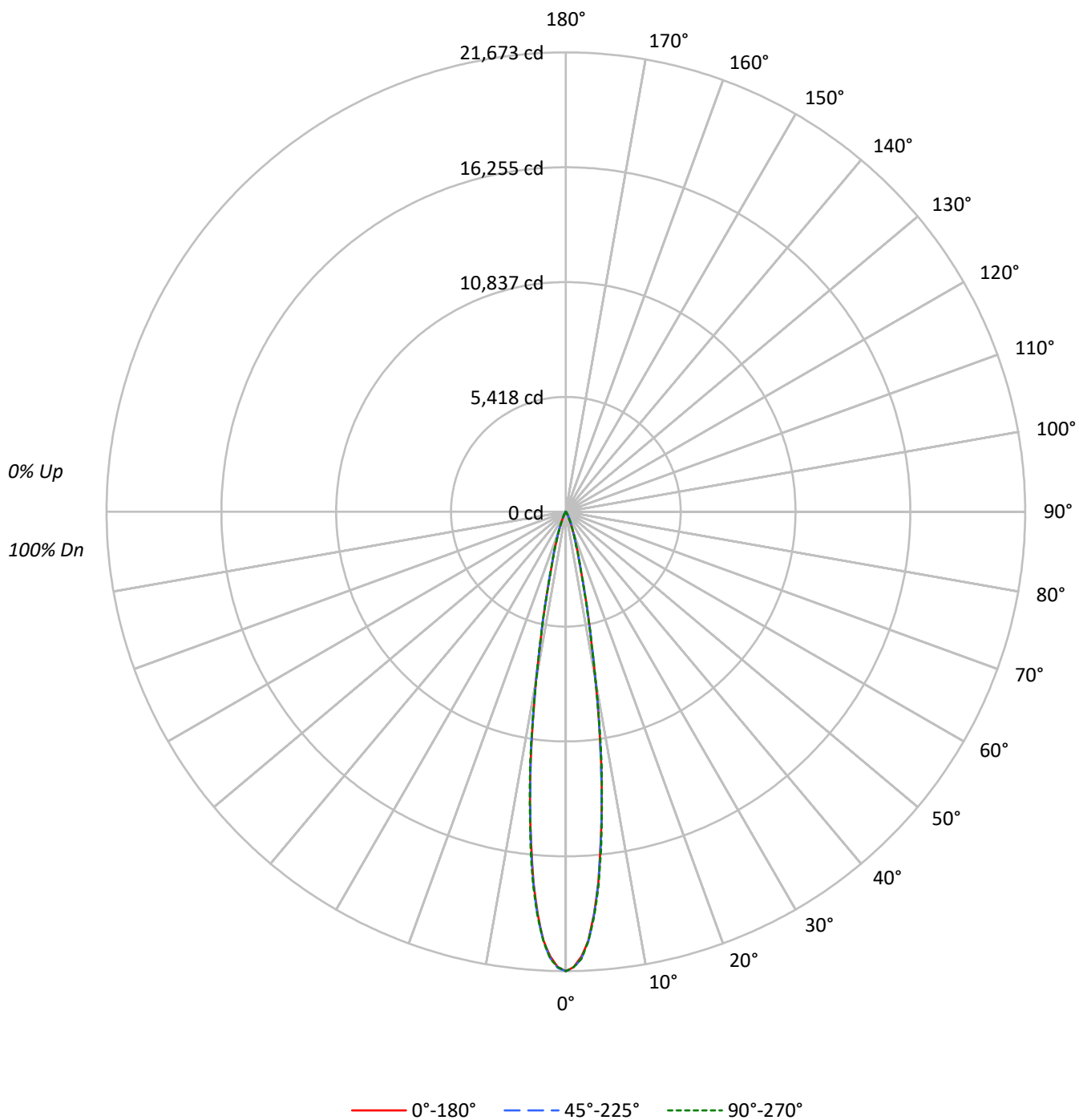
Lumens per Lamp: N/A
Luminaire Lumens: 2433.0 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1308411

CATALOG NUMBER: P3SQAS24R159030D010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1308411

CATALOG NUMBER: P3SQAS24R159030D010 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	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	105	104	103	102	101	100	99	98	98	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	96	96	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	94	94	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	92	92	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	90	90	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	88	88	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	87	87	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	87	90	88	86	85	85	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	84	84	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	83	83	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3732512	3732512	3732512
5°	3035056	3045636	3056199
10°	1413481	1414810	1407133
15°	437329	453002	444497
20°	174350	184155	172261
25°	72970	86025	69341
30°	29631	39515	27344
35°	9629	18081	8830
40°	3440	7307	3440
45°	1388	2338	1388
50°	1018	1527	1018
55°	1141	1141	1141
60°	1309	1309	1309
65°	774	774	774
70°	957	957	957
75°	1264	1264	1264
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2338 cd/sqm

TEST NUMBER: P1308411

CATALOG NUMBER: P3SQAS24R159030D010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1356.6	55.8
10°-20°	811.1	33.3
20°-30°	206.4	8.5
30°-40°	44.8	1.8
40°-50°	7.2	0.3
50°-60°	3.5	0.1
60°-70°	2.1	0.1
70°-80°	1.2	0.1
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°	2374.1	97.6
0°-40°	2418.9	99.4
0°-60°	2429.6	99.9
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°	21673	21673	21673	21673	21673	
5°	17556	17581	17617	17537	17678	1354
15°	2453	2522	2541	2504	2493	807
25°	384	411	453	401	365	195
35°	46	59	86	57	42	36
45°	6	8	10	8	6	5
55°	4	4	4	4	4	3
65°	2	2	2	2	2	2
75°	2	2	2	2	2	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1308411

CATALOG NUMBER: P3SQAS24R159030D010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21672.6	21672.6	21672.6	21672.6	21672.6
1°	21483.4	21519.7	21525.5	21519.7	21489.2
2°	21000.1	21107.1	21084.2	21038.3	21103.3
3°	20253.2	20306.7	20299.0	20302.9	20287.6
4°	19038.2	19131.8	19078.3	19118.5	19122.3
5°	17555.8	17580.7	17617.0	17536.7	17678.1
6°	15731.5	15890.0	15750.6	15888.1	15943.5
7°	13876.6	13968.2	13790.6	13886.1	13943.4
8°	11979.6	11819.1	11916.6	11918.5	12107.6
9°	9931.7	9964.2	10046.4	9952.8	10034.9
10°	8082.6	8157.1	8090.2	8057.7	8046.3
11°	6382.4	6466.4	6460.7	6470.2	6407.2
12°	5134.9	5091.0	5119.7	5026.0	5068.1
13°	3996.4	3998.3	3975.4	3937.2	3902.8
14°	3131.0	3111.9	3165.4	3117.6	3073.7
15°	2452.8	2521.6	2540.7	2504.4	2493.0
17.5°	1513.0	1514.9	1541.6	1507.2	1503.4
20°	951.3	974.3	1004.8	968.5	939.9
22.5°	601.8	622.8	670.5	624.7	584.6
25°	384.0	410.7	452.7	401.2	364.9
27.5°	240.7	265.5	305.7	257.9	231.1
30°	149.0	166.2	198.7	162.4	137.5
32.5°	86.0	103.2	129.9	97.4	82.1
35°	45.8	59.2	86.0	57.3	42.0
37.5°	26.7	34.4	55.4	30.6	24.8
40°	15.3	21.0	32.5	19.1	15.3
42.5°	9.6	13.4	15.3	11.5	7.6
45°	5.7	7.6	9.6	7.6	5.7
47.5°	3.8	5.7	7.6	3.8	3.8
50°	3.8	3.8	5.7	3.8	3.8
52.5°	3.8	3.8	3.8	3.8	3.8
55°	3.8	3.8	3.8	3.8	3.8
57.5°	3.8	3.8	3.8	3.8	3.8
60°	3.8	3.8	3.8	3.8	3.8
62.5°	1.9	1.9	1.9	1.9	1.9
65°	1.9	1.9	1.9	1.9	1.9
67.5°	1.9	1.9	1.9	1.9	1.9
70°	1.9	1.9	1.9	1.9	1.9
72.5°	1.9	1.9	1.9	1.9	1.9
75°	1.9	1.9	1.9	1.9	1.9
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: P1308411

CATALOG NUMBER: P3SQAS24R159030D010 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)