

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: P1315789

Luminaire Tested: P3SQAS02R259827DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315789
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R259827DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

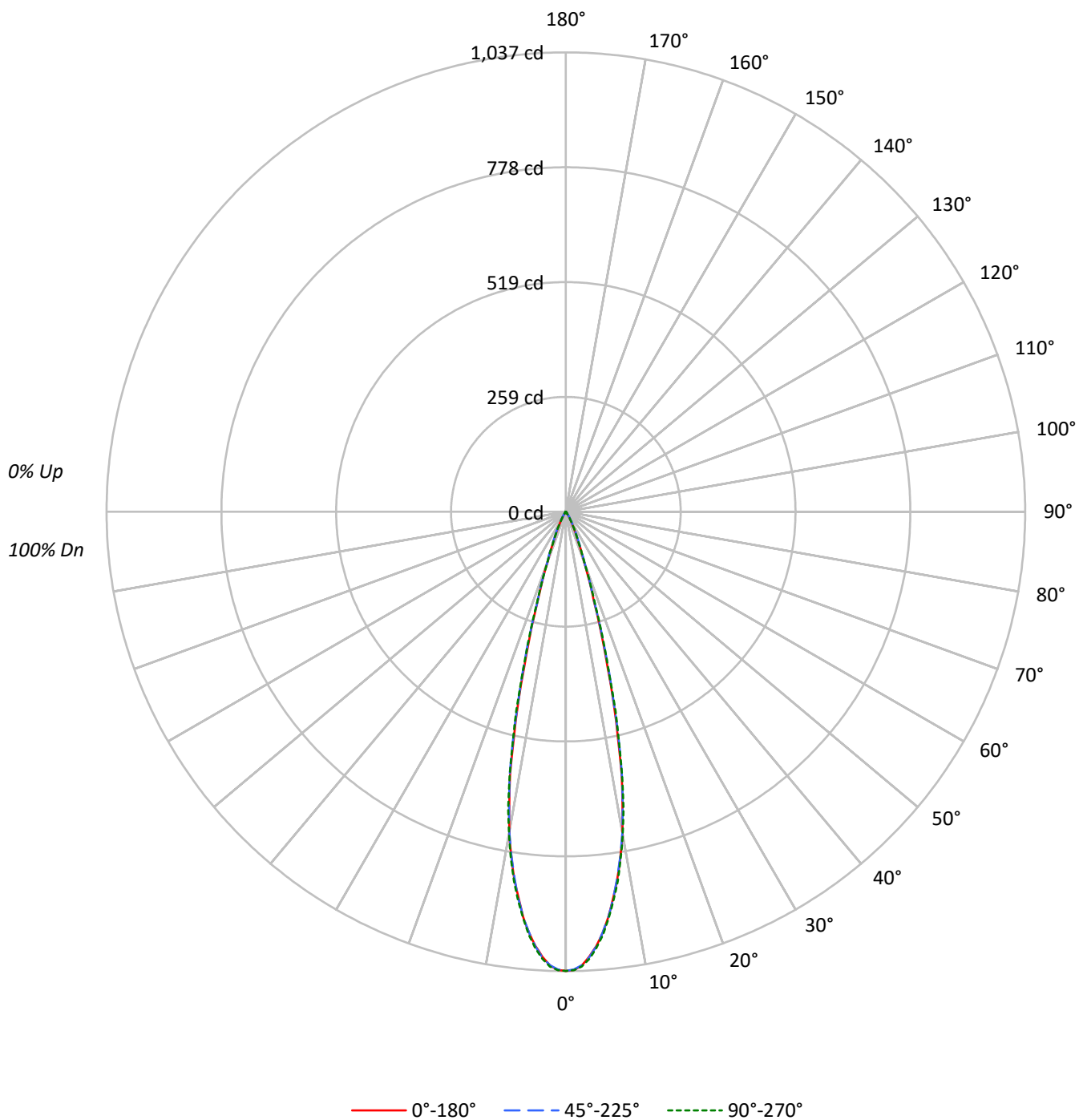
Lumens per Lamp: N/A
Luminaire Lumens: 219.0 lumens
Efficiency: N/A
Efficacy: 60.8 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1315789

CATALOG NUMBER: P3SQAS02R259827DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1315789

CATALOG NUMBER: P3SQAS02R259827DE010 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	115	113	111	110	113	111	109	108	107	106	105		103	102	102		100
2	112	108	105	103	110	106	104	102	103	101	100		101	99	97		98
3	108	104	100	98	107	103	99	97	100	98	95		98	96	94		96
4	105	100	96	93	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	92	90	94	91	89		93	90	88		91
6	100	94	90	87	98	93	89	87	92	88	86		90	88	86		89
7	97	91	87	84	96	90	87	84	89	86	84		88	85	83		87
8	95	88	84	82	94	88	84	82	87	84	81		86	83	81		85
9	92	86	82	80	91	86	82	79	85	82	79		84	81	79		83
10	90	84	80	78	89	84	80	77	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	178543	178543	178543
5°	164911	164859	165775
10°	128816	128466	129341
15°	64811	67521	67450
20°	22176	22781	22415
25°	8912	10014	9292
30°	3619	4315	3520
35°	1051	1892	1051
40°	495	832	495
45°	170	317	170
50°	80	134	80
55°	90	90	90
60°	103	103	103
65°	82	82	82
70°	101	101	101
75°	133	133	133
80°	0	198	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 317 cd/sqm

TEST NUMBER: P1315789

CATALOG NUMBER: P3SQAS02R259827DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.1	38.4
10°-20°	102.9	47.0
20°-30°	25.1	11.5
30°-40°	5.2	2.4
40°-50°	0.9	0.4
50°-60°	0.3	0.1
60°-70°	0.2	0.1
70°-80°	0.2	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°	212.2	96.9
0°-40°	217.4	99.3
0°-60°	218.6	99.8
0°-90°	219.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	219.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1037	1037	1037	1037	1037	
5°	954	955	954	956	959	84
15°	364	370	379	380	378	101
25°	47	49	53	50	49	24
35°	5	7	9	7	5	4
45°	1	1	1	1	1	1
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: P1315789

CATALOG NUMBER: P3SQAS02R259827DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1036.7	1036.7	1036.7	1036.7	1036.7
1°	1034.7	1033.3	1033.0	1033.2	1034.8
2°	1025.3	1024.5	1024.3	1024.8	1027.1
3°	1006.3	1007.3	1007.6	1009.3	1010.5
4°	982.9	984.9	984.1	986.1	987.4
5°	953.9	954.7	953.6	955.6	958.9
6°	920.0	917.0	919.8	920.7	923.0
7°	877.8	878.5	879.5	880.5	884.0
8°	836.2	834.2	833.7	838.4	841.2
9°	787.7	788.0	786.2	791.5	792.3
10°	736.6	732.4	734.6	738.8	739.6
11°	669.2	668.0	671.2	677.7	682.9
12°	605.9	606.6	609.9	612.1	610.9
13°	522.3	527.3	531.5	533.7	530.8
14°	446.7	446.7	452.1	452.9	463.1
15°	363.5	369.6	378.7	380.3	378.3
17.5°	209.9	210.8	215.1	214.9	218.1
20°	121.0	122.2	124.3	123.8	122.3
22.5°	72.8	75.3	80.4	76.3	75.1
25°	46.9	49.1	52.7	49.7	48.9
27.5°	29.4	30.9	33.7	31.0	29.7
30°	18.2	19.0	21.7	19.2	17.7
32.5°	9.8	12.0	14.2	12.0	9.8
35°	5.0	7.0	9.0	6.8	5.0
37.5°	3.3	4.0	5.8	3.8	3.3
40°	2.2	2.7	3.7	2.7	2.2
42.5°	1.2	1.7	2.0	1.8	1.2
45°	0.7	1.0	1.3	1.0	0.7
47.5°	0.5	0.5	0.8	0.5	0.3
50°	0.3	0.3	0.5	0.3	0.3
52.5°	0.3	0.3	0.3	0.3	0.3
55°	0.3	0.3	0.3	0.3	0.3
57.5°	0.3	0.3	0.3	0.3	0.3
60°	0.3	0.3	0.3	0.3	0.3
62.5°	0.3	0.3	0.3	0.3	0.3
65°	0.2	0.3	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.2	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: P1315789
CATALOG NUMBER: P3SQAS02R259827DE010 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)