

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: P1316725

Luminaire Tested: P3SQAS02R459830DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316725
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R459830DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

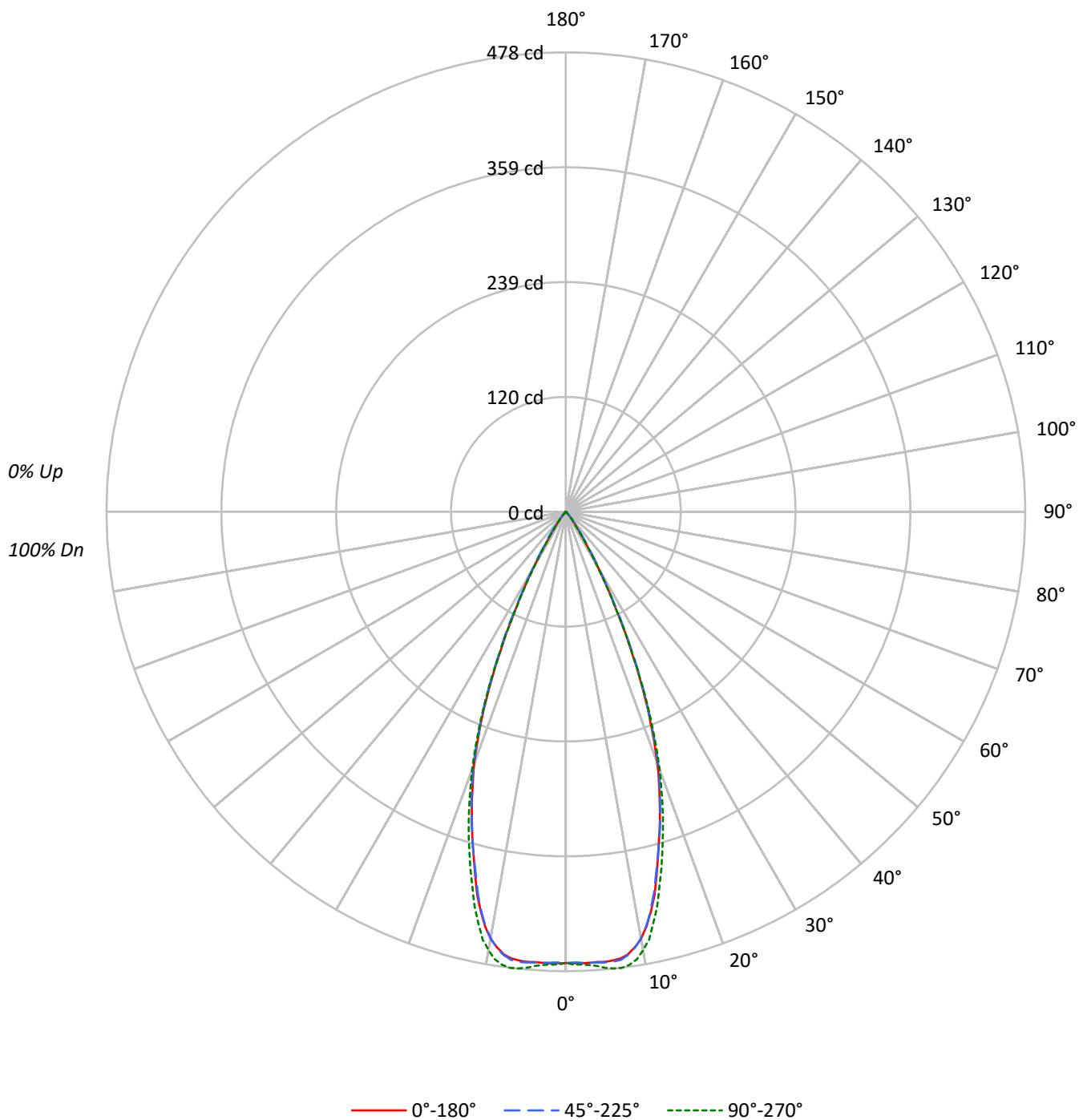
Lumens per Lamp: N/A
Luminaire Lumens: 243.0 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1316725

CATALOG NUMBER: P3SQAS02R459830DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1316725

CATALOG NUMBER: P3SQAS02R459830DE010 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	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95
3	106	100	96	93	104	99	95	92	96	93	91		94	91	89		92
4	101	95	91	87	100	94	90	87	92	88	86		90	87	85		88
5	98	91	86	82	96	90	85	82	88	84	81		86	83	80		85
6	94	86	82	78	92	86	81	78	84	80	77		83	79	77		82
7	90	83	78	74	89	82	77	74	81	77	74		80	76	73		79
8	87	79	74	71	86	79	74	71	78	73	70		77	73	70		76
9	84	76	71	68	83	75	71	68	75	70	67		74	70	67		73
10	81	73	68	65	80	72	68	65	72	67	65		71	67	64		70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	80859	80859	80859
5°	81254	81409	82343
10°	78853	78783	80987
15°	66077	66042	68484
20°	51079	51610	52325
25°	31316	31962	31392
30°	13423	14040	13006
35°	4226	5088	4100
40°	1439	1844	1416
45°	268	779	219
50°	134	295	134
55°	150	150	150
60°	138	138	138
65°	163	163	163
70°	101	101	101
75°	133	133	133
80°	198	198	198
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 779 cd/sqm

TEST NUMBER: P1316725

CATALOG NUMBER: P3SQAS02R459830DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.6	18.4
10°-20°	103.1	42.4
20°-30°	75.5	31.1
30°-40°	16.7	6.9
40°-50°	2.0	0.8
50°-60°	0.5	0.2
60°-70°	0.4	0.2
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°	223.2	91.9
0°-40°	239.9	98.7
0°-60°	242.4	99.7
0°-90°	243.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	243.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	470	470	470	470	470	
5°	470	470	471	474	476	44
15°	371	369	370	379	384	102
25°	165	165	168	167	165	75
35°	20	21	24	21	20	16
45°	1	2	3	2	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: P1316725

CATALOG NUMBER: P3SQAS02R459830DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	469.5	469.5	469.5	469.5	469.5
1°	469.9	469.2	469.0	470.2	471.1
2°	470.2	469.3	469.5	470.8	471.3
3°	469.9	469.0	469.9	471.7	472.4
4°	469.7	469.3	470.2	472.7	474.0
5°	470.0	469.7	470.9	474.3	476.3
6°	469.5	469.0	470.8	475.1	477.9
7°	468.3	467.7	469.7	474.9	478.1
8°	464.9	463.8	465.7	472.2	476.1
9°	458.8	457.3	459.3	466.8	471.5
10°	450.9	449.3	450.5	457.9	463.1
11°	439.6	437.4	438.9	446.8	453.6
12°	425.3	422.2	424.0	433.0	437.8
13°	409.7	406.8	407.2	415.2	422.0
14°	390.3	386.6	388.2	396.6	402.0
15°	370.6	368.7	370.4	379.4	384.1
17.5°	325.5	325.3	326.9	333.5	336.1
20°	278.7	279.3	281.6	285.2	285.5
22.5°	223.4	223.6	226.1	228.6	228.0
25°	164.8	164.6	168.2	167.0	165.2
27.5°	109.3	110.0	113.2	110.9	109.1
30°	67.5	69.0	70.6	67.7	65.4
32.5°	36.5	38.9	41.2	38.7	36.4
35°	20.1	21.1	24.2	21.1	19.5
37.5°	11.6	12.2	14.2	12.2	11.1
40°	6.4	7.3	8.2	7.3	6.3
42.5°	2.7	4.1	5.0	4.1	2.7
45°	1.1	1.8	3.2	1.8	0.9
47.5°	0.5	0.7	2.0	0.7	0.5
50°	0.5	0.5	1.1	0.5	0.5
52.5°	0.5	0.5	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.5
60°	0.4	0.4	0.4	0.5	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.2	0.2	0.2	0.4	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°	0.2	0.2	0.2	0.2	0.2
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: P1316725

CATALOG NUMBER: P3SQAS02R459830DE010 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)