

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: P1306517

Luminaire Tested: P3SQAS05R159027DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306517
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R159027DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

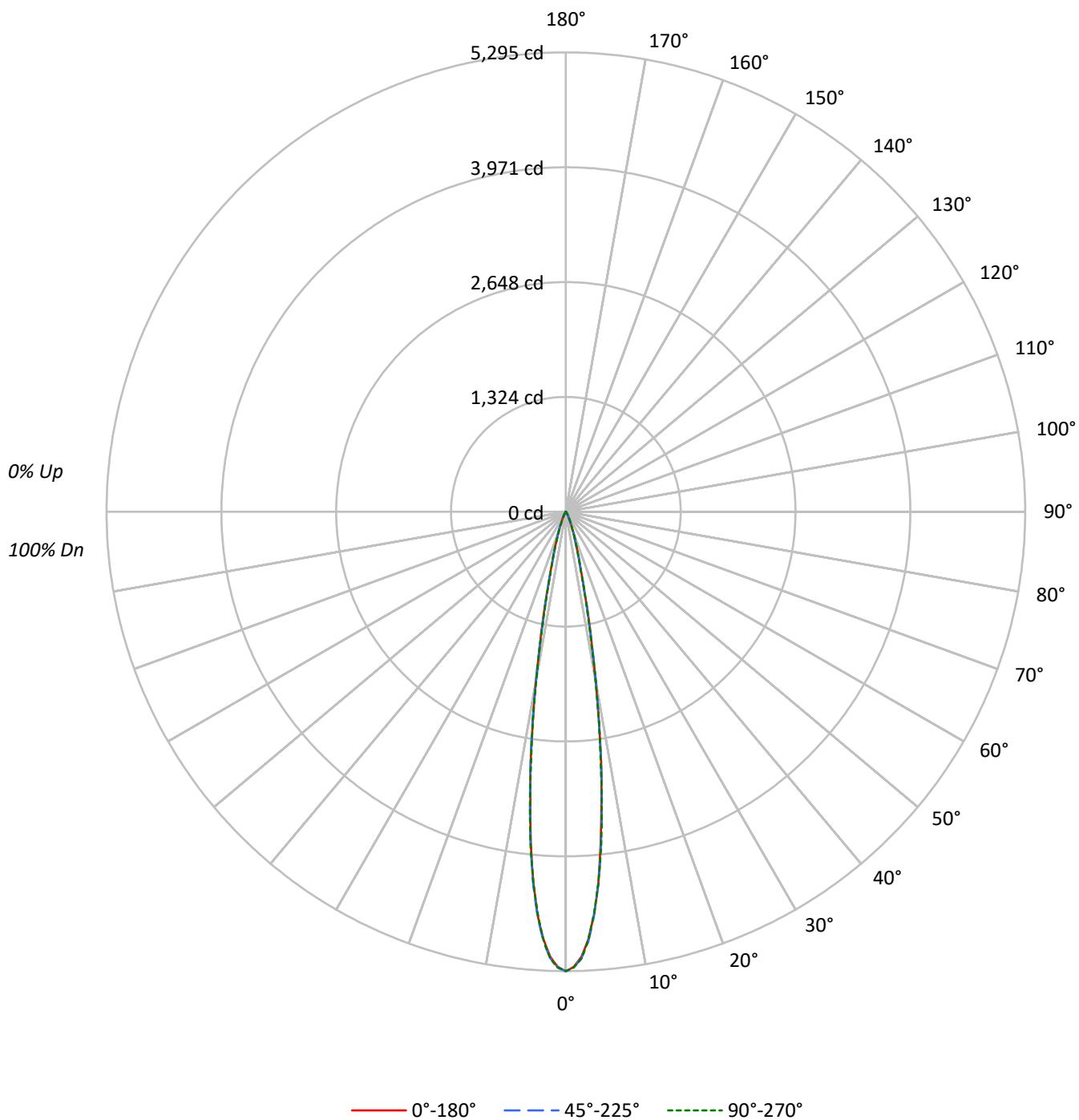
Lumens per Lamp: N/A
Luminaire Lumens: 591.0 lumens
Efficiency: N/A
Efficacy: 82.1 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1306517

CATALOG NUMBER: P3SQAS05R159027DE010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1306517

CATALOG NUMBER: P3SQAS05R159027DE010 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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	91	91	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	87	87	86
9	97	92	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	85	85	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	911971	911971	911971
5°	742522	744942	743490
10°	346366	349479	345055
15°	108762	109689	109011
20°	43088	44811	41732
25°	17406	21055	16779
30°	6980	9565	6602
35°	2060	4226	1955
40°	629	1574	517
45°	122	341	122
50°	0	134	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: 341 cd/sqm

TEST NUMBER: P1306517

CATALOG NUMBER: P3SQAS05R159027DE010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.5	56.1
10°-20°	198.3	33.6
20°-30°	50.0	8.5
30°-40°	10.2	1.7
40°-50°	0.9	0.2
50°-60°	0.0	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°	579.8	98.1
0°-40°	590.0	99.8
0°-60°	591.0	100.0
0°-90°	591.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	591.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5295	5295	5295	5295	5295	
5°	4295	4287	4309	4298	4301	331
15°	610	615	615	606	611	198
25°	92	100	111	98	88	47
35°	10	13	20	13	9	8
45°	0	1	1	1	0	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: P1306517

CATALOG NUMBER: P3SQAS05R159027DE010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5295.3	5295.3	5295.3	5295.3	5295.3
1°	5247.7	5265.4	5256.1	5263.6	5255.1
2°	5134.1	5157.9	5150.4	5148.1	5154.6
3°	4934.0	4961.6	4960.6	4953.6	4942.4
4°	4661.0	4649.8	4667.1	4665.2	4646.0
5°	4295.0	4287.0	4309.0	4298.3	4300.6
6°	3847.2	3881.8	3874.3	3875.2	3884.1
7°	3366.1	3384.8	3400.7	3413.8	3395.6
8°	2924.4	2919.7	2921.1	2936.1	2885.6
9°	2429.8	2458.8	2440.1	2410.2	2429.4
10°	1980.6	1998.4	1998.4	1972.2	1973.1
11°	1579.1	1593.6	1583.3	1589.8	1548.7
12°	1272.9	1236.9	1228.5	1235.0	1234.6
13°	971.8	974.2	971.8	971.4	966.7
14°	762.0	774.1	769.0	756.3	750.7
15°	610.0	615.2	615.2	606.3	611.4
17.5°	366.5	372.6	374.0	367.9	367.9
20°	235.1	237.9	244.5	235.6	227.7
22.5°	144.9	151.0	162.2	149.1	142.6
25°	91.6	100.0	110.8	98.2	88.3
27.5°	57.5	64.5	73.9	61.7	55.6
30°	35.1	39.7	48.1	38.8	33.2
32.5°	19.6	23.4	30.4	22.4	18.7
35°	9.8	13.1	20.1	12.6	9.3
37.5°	5.6	7.0	12.6	6.1	5.1
40°	2.8	3.7	7.0	3.7	2.3
42.5°	0.9	1.9	2.8	1.9	0.9
45°	0.5	0.9	1.4	0.9	0.5
47.5°	0.0	0.0	0.5	0.0	0.0
50°	0.0	0.0	0.5	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: P1306517

CATALOG NUMBER: P3SQAS05R159027DE010 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)