

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: P1314043

Luminaire Tested: P3SQAS05R259735DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314043
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: P3SQAS05R259735DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

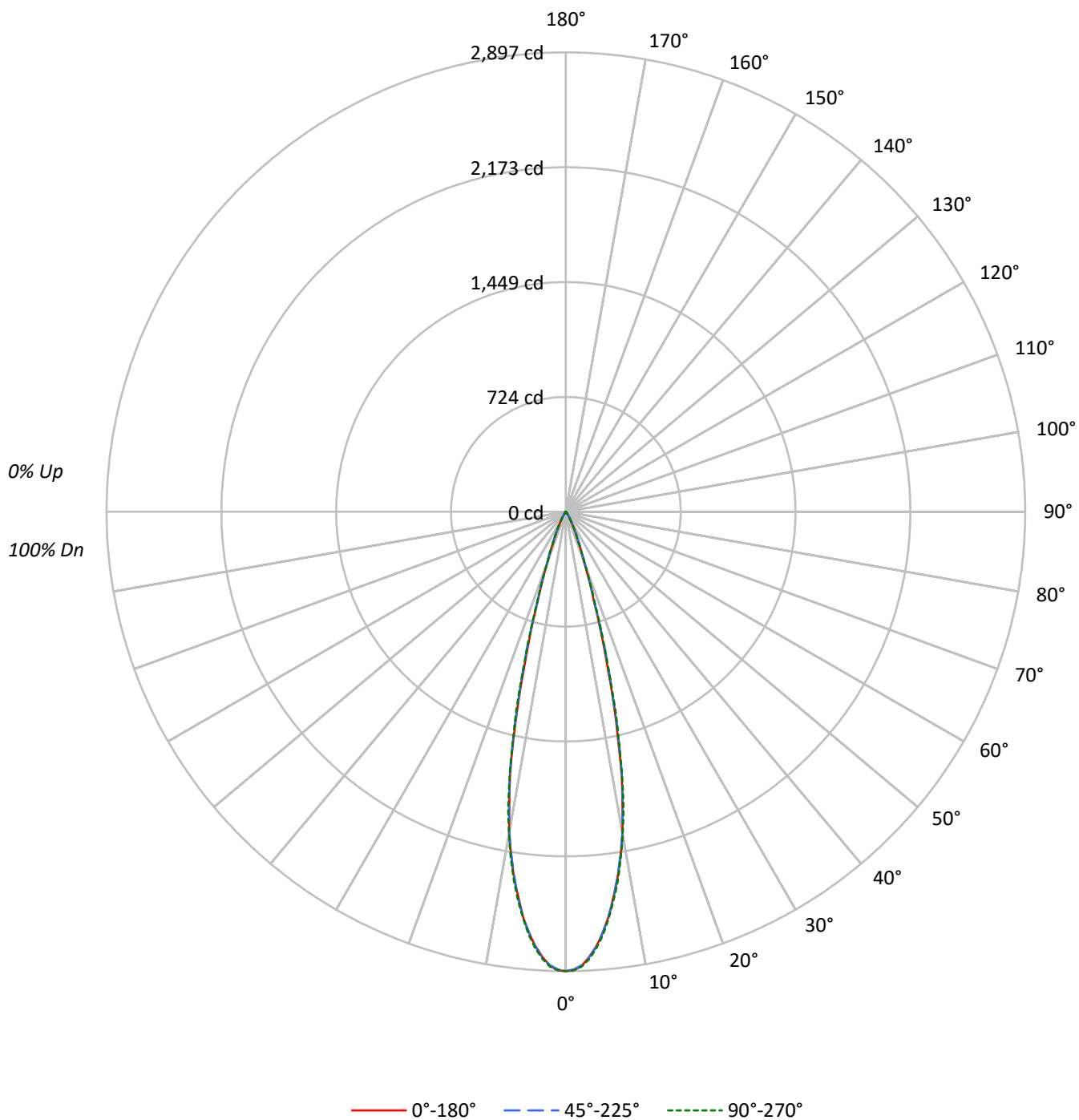
Lumens per Lamp: N/A
Luminaire Lumens: 612.0 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1314043

CATALOG NUMBER: P3SQAS05R259735DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1314043

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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	107	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°	498929	498929	498929
5°	460848	460675	463251
10°	359989	359010	361458
15°	181097	188657	188497
20°	61965	63670	62644
25°	24893	28010	25958
30°	10102	12051	9824
35°	2943	5298	2943
40°	1371	2316	1371
45°	463	901	463
50°	241	375	241
55°	270	270	270
60°	310	310	310
65°	204	204	204
70°	252	252	252
75°	333	333	333
80°	0	496	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 901 cd/sqm

TEST NUMBER: P1314043

CATALOG NUMBER: P3SQAS05R259735DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.0	38.4
10°-20°	287.7	47.0
20°-30°	70.3	11.5
30°-40°	14.5	2.4
40°-50°	2.5	0.4
50°-60°	0.8	0.1
60°-70°	0.7	0.1
70°-80°	0.5	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°	593.0	96.9
0°-40°	607.5	99.3
0°-60°	610.8	99.8
0°-90°	612.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	612.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2897	2897	2897	2897	2897	
5°	2666	2668	2665	2670	2680	235
15°	1016	1033	1058	1063	1057	284
25°	131	137	147	139	137	67
35°	14	20	25	19	14	12
45°	2	3	4	3	2	2
55°	1	1	1	1	1	1
65°	0	1	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1314043

CATALOG NUMBER: P3SQAS05R259735DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2897.0	2897.0	2897.0	2897.0	2897.0
1°	2891.4	2887.6	2886.7	2887.2	2891.8
2°	2865.3	2862.9	2862.5	2863.9	2870.4
3°	2812.1	2814.9	2815.8	2820.5	2823.8
4°	2746.8	2752.4	2750.1	2755.7	2759.4
5°	2665.7	2668.0	2664.7	2670.3	2679.6
6°	2571.0	2562.6	2570.5	2572.9	2579.4
7°	2453.0	2454.9	2457.7	2460.5	2470.3
8°	2336.9	2331.3	2329.9	2342.9	2350.9
9°	2201.2	2202.1	2197.0	2211.9	2214.2
10°	2058.5	2046.8	2052.9	2064.5	2066.9
11°	1870.1	1866.8	1875.7	1893.8	1908.3
12°	1693.3	1695.2	1704.5	1710.6	1707.3
13°	1459.7	1473.7	1485.3	1491.4	1483.5
14°	1248.4	1248.4	1263.3	1265.7	1294.1
15°	1015.7	1033.0	1058.1	1062.8	1057.2
17.5°	586.7	589.0	601.1	600.7	609.5
20°	338.1	341.4	347.4	346.0	341.8
22.5°	203.3	210.3	224.8	213.1	209.9
25°	131.0	137.1	147.4	139.0	136.6
27.5°	82.1	86.3	94.2	86.7	83.0
30°	50.8	53.2	60.6	53.6	49.4
32.5°	27.5	33.6	39.6	33.6	27.5
35°	14.0	19.6	25.2	19.1	14.0
37.5°	9.3	11.2	16.3	10.7	9.3
40°	6.1	7.5	10.3	7.5	6.1
42.5°	3.3	4.7	5.6	5.1	3.3
45°	1.9	2.8	3.7	2.8	1.9
47.5°	1.4	1.4	2.3	1.4	0.9
50°	0.9	0.9	1.4	0.9	0.9
52.5°	0.9	0.9	0.9	0.9	0.9
55°	0.9	0.9	0.9	0.9	0.9
57.5°	0.9	0.9	0.9	0.9	0.9
60°	0.9	0.9	0.9	0.9	0.9
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.5	0.9	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.5	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: P1314043

CATALOG NUMBER: P3SQAS05R259735DE010 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)