

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: P1309904

Luminaire Tested: P3SQAS05R259040DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309904
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: P3SQAS05R259040DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

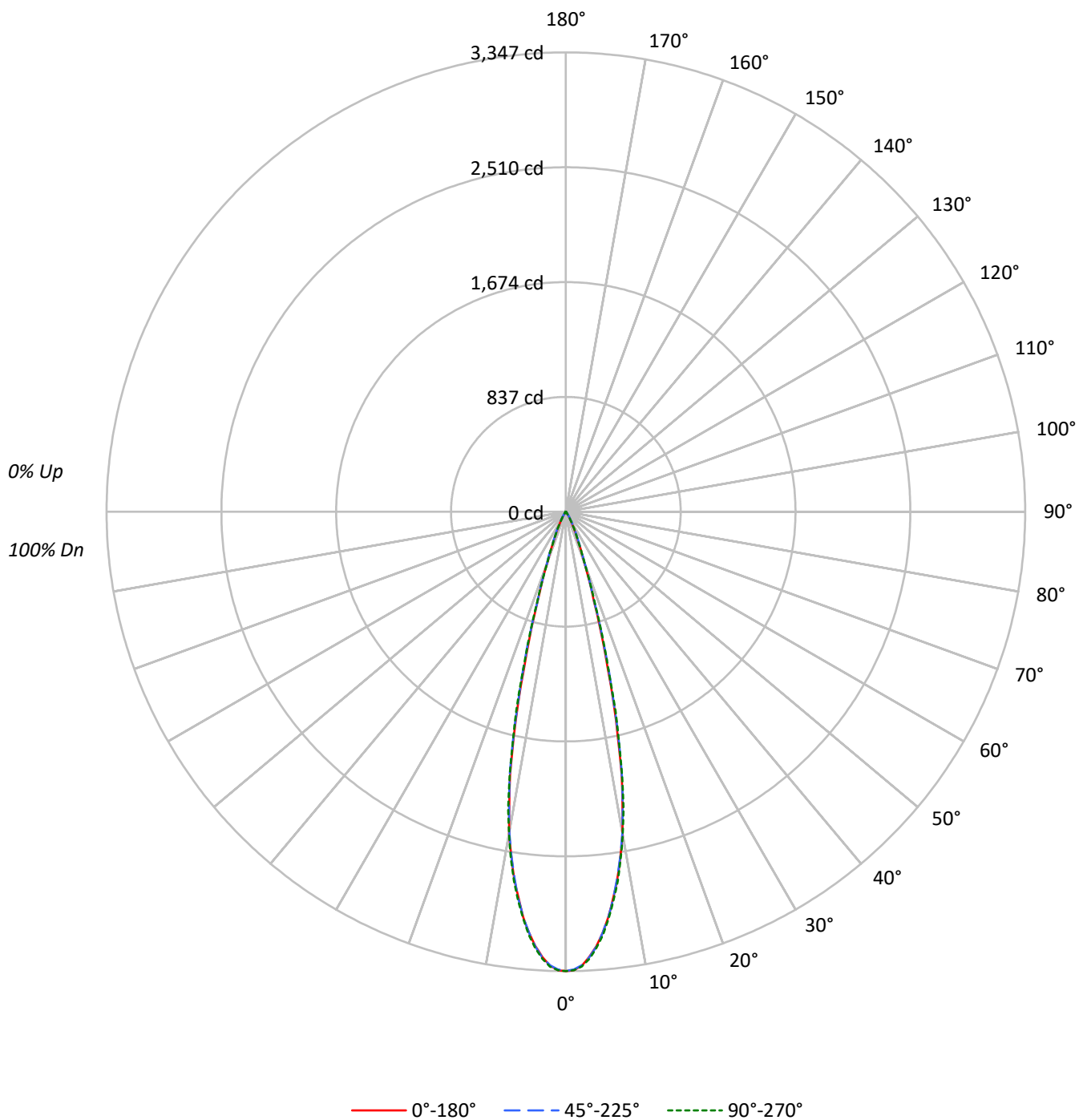
Lumens per Lamp: N/A
Luminaire Lumens: 707.0 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1309904

CATALOG NUMBER: P3SQAS05R259040DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1309904

CATALOG NUMBER: P3SQAS05R259040DE010 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	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°	576378	576378	576378
5°	532368	532195	535169
10°	415863	414727	417560
15°	209215	217951	217755
20°	71587	73567	72375
25°	28770	32343	30005
30°	11673	13921	11355
35°	3406	6118	3406
40°	1574	2675	1574
45°	536	1047	536
50°	295	429	295
55°	330	330	330
60°	379	379	379
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: 1047 cd/sqm

TEST NUMBER: P1309904

CATALOG NUMBER: P3SQAS05R259040DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.5	38.4
10°-20°	332.3	47.0
20°-30°	81.2	11.5
30°-40°	16.8	2.4
40°-50°	2.9	0.4
50°-60°	1.0	0.1
60°-70°	0.8	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°	685.0	96.9
0°-40°	701.8	99.3
0°-60°	705.7	99.8
0°-90°	707.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	707.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3347	3347	3347	3347	3347	
5°	3079	3082	3078	3085	3096	271
15°	1173	1193	1222	1228	1221	328
25°	151	158	170	160	158	77
35°	16	23	29	22	16	14
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: P1309904

CATALOG NUMBER: P3SQAS05R259040DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3346.7	3346.7	3346.7	3346.7	3346.7
1°	3340.2	3335.9	3334.8	3335.3	3340.7
2°	3310.0	3307.3	3306.8	3308.4	3316.0
3°	3248.6	3251.8	3252.9	3258.3	3262.1
4°	3173.2	3179.7	3177.0	3183.4	3187.7
5°	3079.4	3082.1	3078.4	3084.8	3095.6
6°	2970.1	2960.4	2969.5	2972.2	2979.8
7°	2833.8	2835.9	2839.2	2842.4	2853.7
8°	2699.6	2693.2	2691.6	2706.6	2715.8
9°	2542.9	2543.9	2538.0	2555.3	2557.9
10°	2378.0	2364.5	2371.5	2385.0	2387.7
11°	2160.4	2156.6	2166.8	2187.8	2204.5
12°	1956.2	1958.3	1969.1	1976.1	1972.3
13°	1686.3	1702.4	1715.9	1722.9	1713.7
14°	1442.2	1442.2	1459.5	1462.1	1495.0
15°	1173.4	1193.3	1222.4	1227.8	1221.3
17.5°	677.7	680.4	694.4	693.9	704.1
20°	390.6	394.4	401.4	399.7	394.9
22.5°	234.9	243.0	259.7	246.2	242.4
25°	151.4	158.4	170.2	160.5	157.9
27.5°	94.8	99.7	108.8	100.2	95.9
30°	58.7	61.4	70.0	62.0	57.1
32.5°	31.8	38.8	45.8	38.8	31.8
35°	16.2	22.6	29.1	22.1	16.2
37.5°	10.8	12.9	18.9	12.4	10.8
40°	7.0	8.6	11.9	8.6	7.0
42.5°	3.8	5.4	6.5	5.9	3.8
45°	2.2	3.2	4.3	3.2	2.2
47.5°	1.6	1.6	2.7	1.6	1.1
50°	1.1	1.1	1.6	1.1	1.1
52.5°	1.1	1.1	1.1	1.1	1.1
55°	1.1	1.1	1.1	1.1	1.1
57.5°	1.1	1.1	1.1	1.1	1.1
60°	1.1	1.1	1.1	1.1	1.1
62.5°	1.1	1.1	1.1	1.1	1.1
65°	0.5	1.1	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: P1309904

CATALOG NUMBER: P3SQAS05R259040DE010 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)