

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: P1305920

Luminaire Tested: P3SQAS13R309024DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305920
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R309024DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

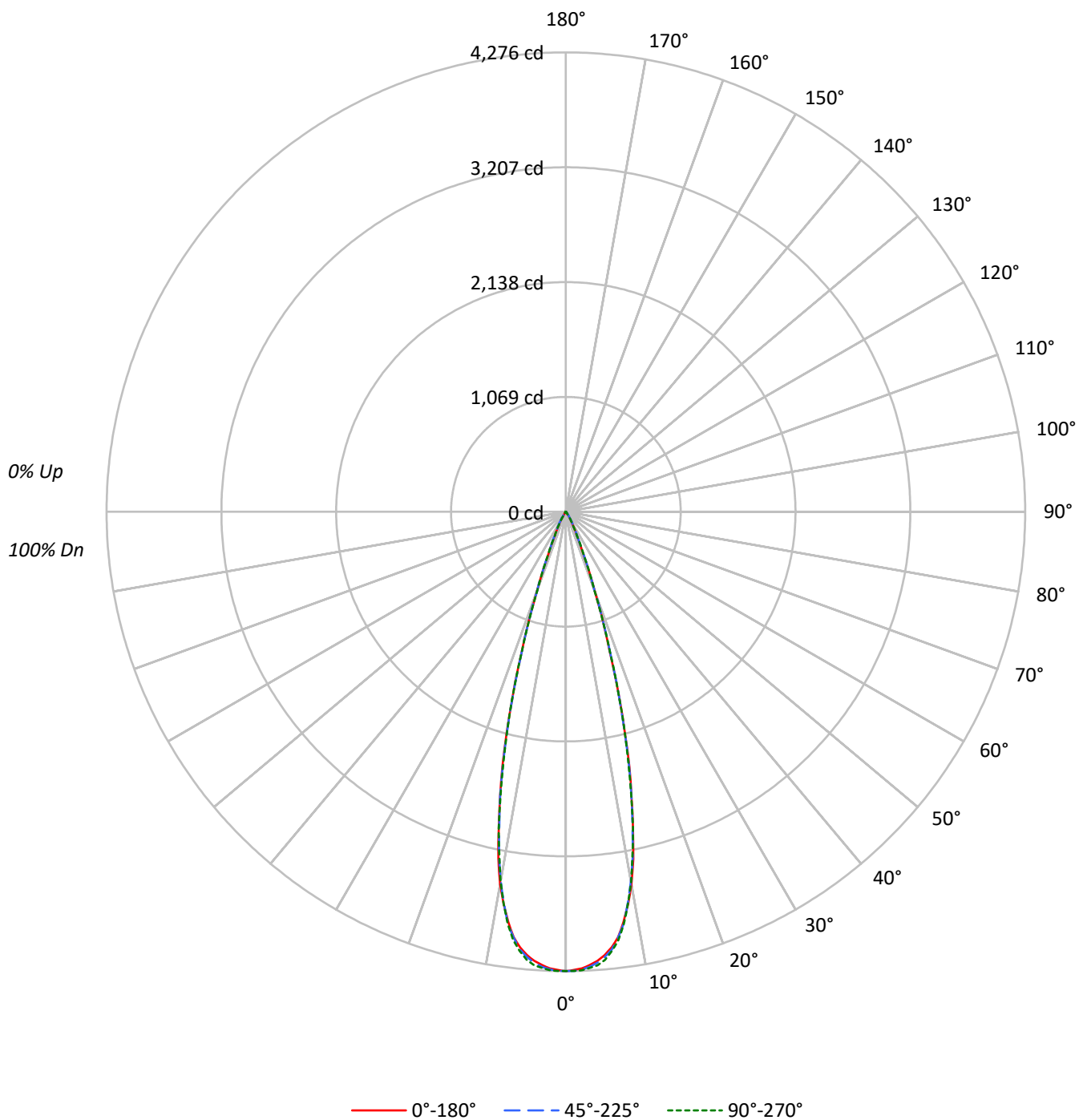
Lumens per Lamp: N/A
Luminaire Lumens: 1112.0 lumens
Efficiency: N/A
Efficacy: 76.2 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1305920

CATALOG NUMBER: P3SQAS13R309024DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1305920

CATALOG NUMBER: P3SQAS13R309024DE010 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	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	104	101	103	101	99		100	99	97		98
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		95
4	105	99	96	93	103	98	95	92	96	93	91		95	92	90		93
5	102	96	92	89	100	95	91	89	93	90	88		92	89	87		91
6	99	93	89	86	98	92	88	85	91	87	85		90	87	84		88
7	96	90	86	83	95	89	85	83	88	85	82		87	84	82		86
8	94	87	83	80	93	87	83	80	86	82	80		85	82	80		84
9	91	85	81	78	90	84	80	78	83	80	78		83	80	77		82
10	89	82	78	76	88	82	78	76	81	78	76		81	78	75		80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	736355	736355	736355
5°	716192	719304	723747
10°	615855	610592	611204
15°	378420	375353	375656
20°	144018	144329	141654
25°	45815	48248	45967
30°	18415	22870	18932
35°	5950	10092	5950
40°	2698	4429	2698
45°	1047	1875	1047
50°	455	911	455
55°	510	510	510
60°	586	586	586
65°	367	367	367
70°	453	453	453
75°	599	599	599
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1875 cd/sqm

TEST NUMBER: P1305920

CATALOG NUMBER: P3SQAS13R309024DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.1	33.9
10°-20°	559.5	50.3
20°-30°	139.0	12.5
30°-40°	27.7	2.5
40°-50°	5.1	0.5
50°-60°	1.6	0.1
60°-70°	1.2	0.1
70°-80°	0.8	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°	1075.7	96.7
0°-40°	1103.4	99.2
0°-60°	1110.0	99.8
0°-90°	1112.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1112.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4276	4276	4276	4276	4276	
5°	4143	4156	4161	4167	4186	377
15°	2122	2127	2105	2112	2107	562
25°	241	246	254	250	242	135
35°	28	37	48	36	28	23
45°	4	5	8	6	4	4
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1305920

CATALOG NUMBER: P3SQAS13R309024DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4275.6	4275.6	4275.6	4275.6	4275.6
1°	4266.2	4271.3	4274.8	4274.8	4274.8
2°	4254.2	4257.6	4262.8	4263.6	4270.5
3°	4225.9	4233.6	4242.2	4247.3	4250.7
4°	4191.6	4201.8	4207.0	4219.9	4231.0
5°	4142.7	4156.4	4160.7	4166.7	4186.4
6°	4076.6	4086.9	4095.5	4098.0	4110.1
7°	3989.1	3994.2	3992.5	3996.8	4018.3
8°	3856.1	3857.8	3872.4	3863.0	3877.6
9°	3698.3	3691.4	3688.0	3694.8	3695.7
10°	3521.6	3498.4	3491.5	3485.5	3495.0
11°	3292.5	3262.5	3265.1	3263.3	3249.6
12°	3007.7	3004.3	2982.0	2986.2	3006.8
13°	2716.9	2722.9	2718.6	2723.7	2700.6
14°	2444.1	2414.9	2422.6	2393.5	2404.6
15°	2122.4	2126.7	2105.2	2112.1	2106.9
17.5°	1358.9	1368.3	1361.4	1355.4	1364.9
20°	785.8	785.0	787.5	779.8	772.9
22.5°	413.5	419.5	427.2	428.1	433.2
25°	241.1	246.2	253.9	250.5	241.9
27.5°	147.6	157.0	169.0	160.4	150.1
30°	92.6	100.4	115.0	101.2	95.2
32.5°	52.3	63.5	75.5	63.5	52.3
35°	28.3	36.9	48.0	36.0	28.3
37.5°	18.9	21.4	31.7	21.4	18.9
40°	12.0	14.6	19.7	14.6	12.0
42.5°	6.9	9.4	11.2	9.4	6.9
45°	4.3	5.1	7.7	6.0	4.3
47.5°	1.7	2.6	5.1	2.6	2.6
50°	1.7	1.7	3.4	1.7	1.7
52.5°	1.7	1.7	1.7	1.7	1.7
55°	1.7	1.7	1.7	1.7	1.7
57.5°	1.7	1.7	1.7	1.7	1.7
60°	1.7	1.7	1.7	1.7	1.7
62.5°	1.7	1.7	1.7	1.7	1.7
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9
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: P1305920
CATALOG NUMBER: P3SQAS13R309024DE010 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)