

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: P1310446

Luminaire Tested: P3SQAS17R459040DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310446
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: P3SQAS17R459040DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

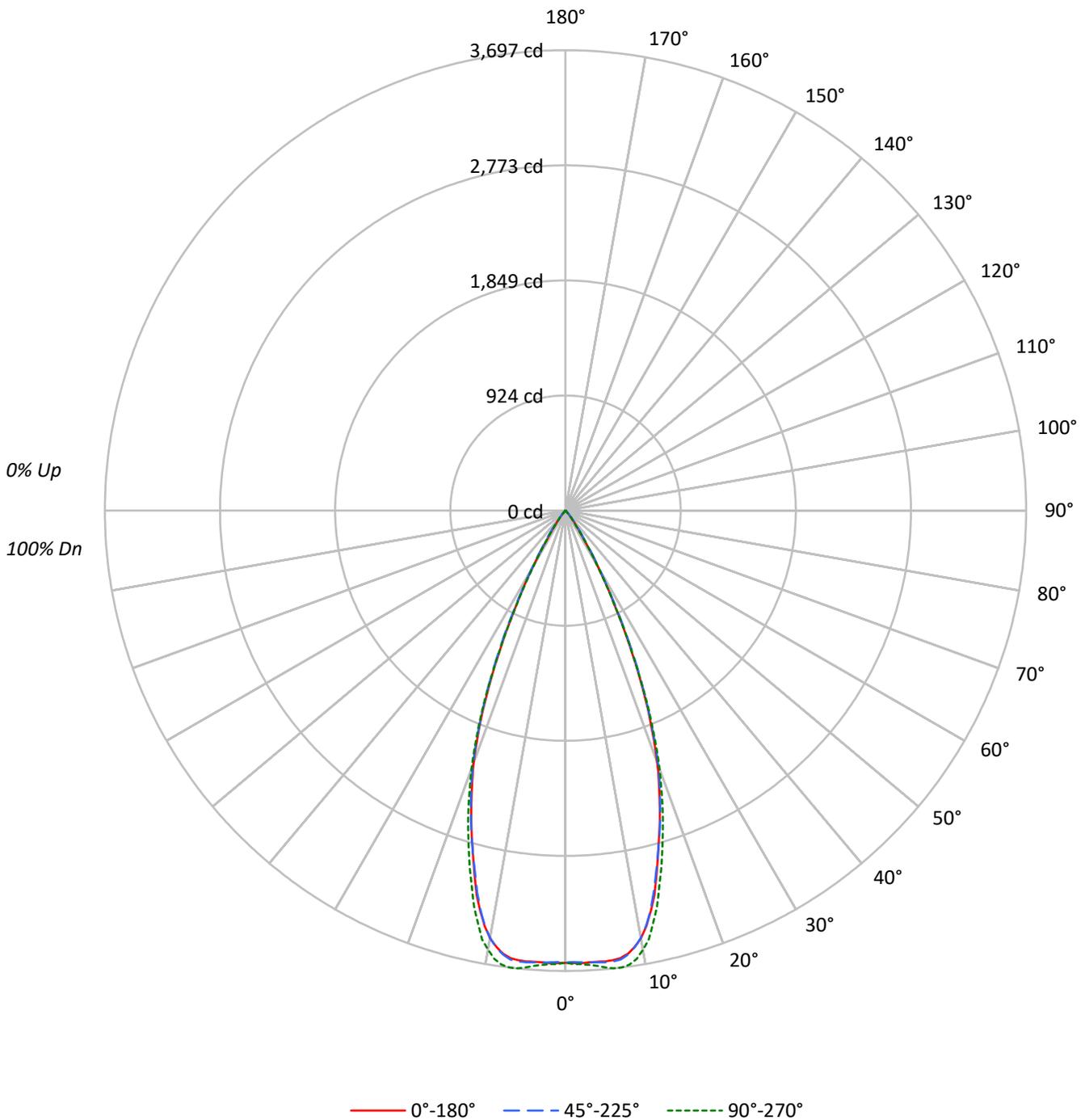
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1879.1 lumens
Efficiency: N/A
Efficacy: 88.6 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): 21.2
Input Voltage (V): NR
Input Current (A_{in}): 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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	625254	625254	625254
5°	628351	629562	636736
10°	609700	609228	626173
15°	510984	510735	529509
20°	395014	399082	404654
25°	242151	247168	242683
30°	103848	108541	100546
35°	32609	39316	31747
40°	11219	14321	10904
45°	2022	6065	1681
50°	1125	2224	1125
55°	1261	1261	1261
60°	964	964	964
65°	1141	1141	1141
70°	705	705	705
75°	932	932	932
80°	1389	1389	1389
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 6065 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.1	18.4
10°-20°	797.3	42.4
20°-30°	583.8	31.1
30°-40°	129.0	6.9
40°-50°	15.8	0.8
50°-60°	3.8	0.2
60°-70°	2.7	0.1
70°-80°	1.5	0.1
80°-90°	0.2	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°	1726.1	91.9
0°-40°	1855.1	98.7
0°-60°	1874.7	99.8
0°-90°	1879.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1879.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3630	3630	3630	3630	3630	
5°	3635	3632	3642	3668	3683	343
15°	2866	2851	2864	2934	2970	791
25°	1274	1273	1301	1291	1277	577
35°	155	163	187	163	151	122
45°	8	14	25	14	7	11
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3630.5	3630.5	3630.5	3630.5	3630.5
1°	3633.3	3627.7	3626.3	3636.0	3643.0
2°	3636.0	3629.1	3630.5	3640.2	3644.3
3°	3633.3	3626.3	3633.3	3647.1	3652.6
4°	3631.9	3629.1	3636.0	3655.4	3665.1
5°	3634.6	3631.9	3641.6	3667.9	3683.1
6°	3630.5	3626.3	3640.2	3673.4	3695.6
7°	3620.8	3616.6	3631.9	3672.0	3697.0
8°	3594.5	3586.2	3601.4	3651.3	3681.7
9°	3547.4	3536.3	3551.5	3609.7	3645.7
10°	3486.4	3474.0	3483.7	3540.4	3580.6
11°	3399.2	3382.5	3393.6	3454.6	3507.2
12°	3288.4	3264.8	3278.7	3347.9	3385.3
13°	3167.8	3145.7	3148.5	3210.8	3263.4
14°	3018.2	2989.2	3001.6	3066.7	3108.3
15°	2865.9	2850.6	2864.5	2933.8	2969.8
17.5°	2516.8	2515.4	2527.9	2579.2	2598.5
20°	2155.3	2159.5	2177.5	2205.2	2207.9
22.5°	1727.3	1728.7	1748.1	1767.5	1763.3
25°	1274.3	1273.0	1300.7	1291.0	1277.1
27.5°	844.9	850.5	875.4	857.4	843.6
30°	522.2	533.3	545.8	523.6	505.6
32.5°	282.6	300.6	318.6	299.2	281.2
35°	155.1	163.4	187.0	163.4	151.0
37.5°	90.0	94.2	109.4	94.2	85.9
40°	49.9	56.8	63.7	56.8	48.5
42.5°	20.8	31.9	38.8	31.9	20.8
45°	8.3	13.9	24.9	13.9	6.9
47.5°	4.2	5.5	15.2	5.5	4.2
50°	4.2	4.2	8.3	4.2	4.2
52.5°	4.2	4.2	4.2	4.2	4.2
55°	4.2	4.2	4.2	4.2	4.2
57.5°	4.2	4.2	4.2	4.2	4.2
60°	2.8	2.8	2.8	4.2	2.8
62.5°	2.8	2.8	2.8	2.8	2.8
65°	2.8	2.8	2.8	2.8	2.8
67.5°	2.8	2.8	2.8	2.8	2.8
70°	1.4	1.4	1.4	2.8	1.4
72.5°	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4
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



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)