

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: P1315400

Luminaire Tested: P3SQAS13R459740DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315400
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: P3SQAS13R459740DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

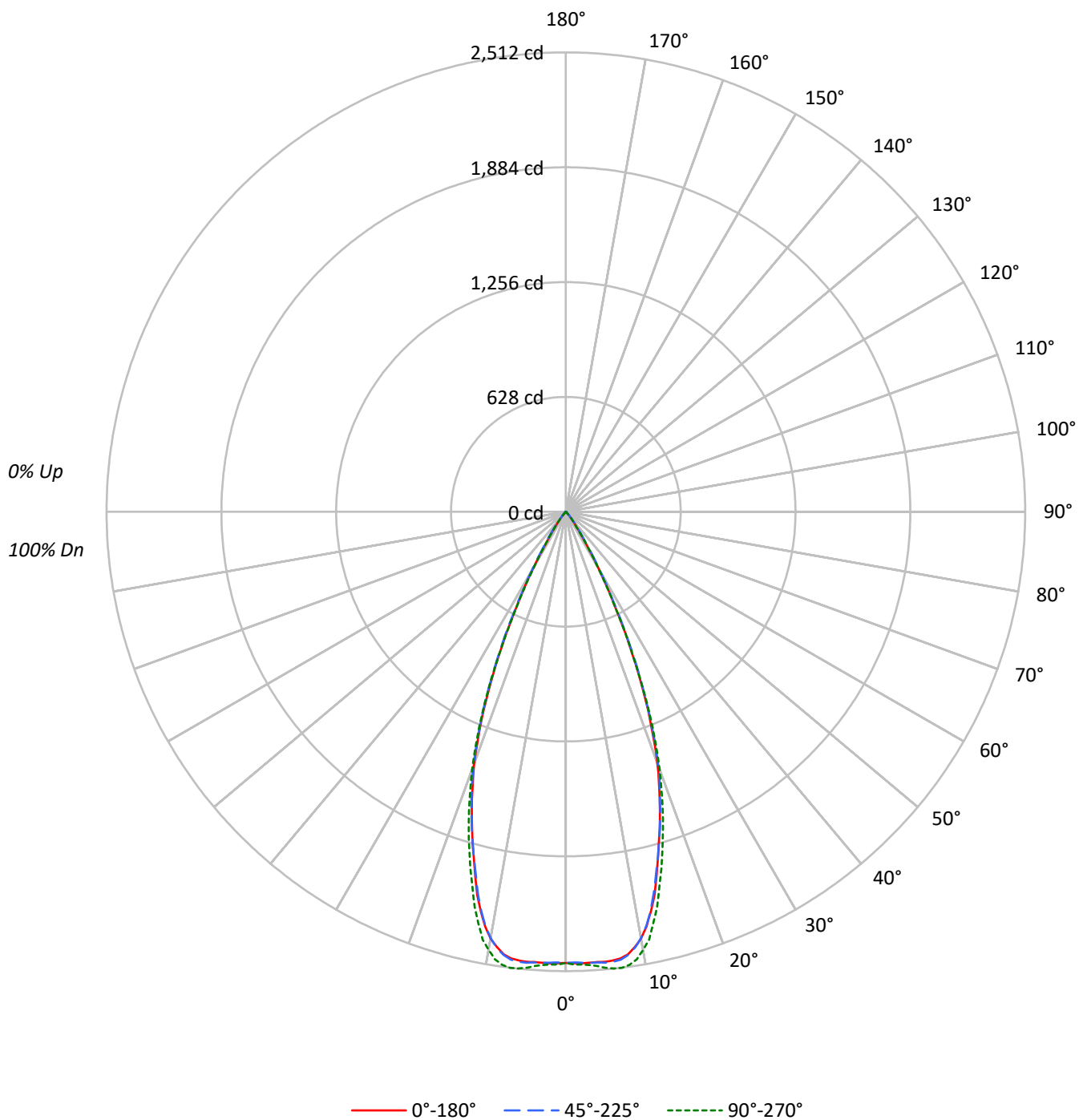
Lumens per Lamp: N/A
Luminaire Lumens: 1276.9 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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
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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95
3	106	100	96	93	104	99	95	92	96	93	91		94	91	89		92
4	101	95	91	87	100	94	90	87	92	88	86		90	87	85		88
5	98	91	86	82	96	90	85	82	88	84	81		87	83	81		85
6	94	86	82	78	93	86	81	78	84	80	77		83	79	77		82
7	90	83	78	74	89	82	77	74	81	77	74		80	76	73		79
8	87	79	74	71	86	79	74	71	78	73	70		77	73	70		76
9	84	76	71	68	83	75	71	68	75	70	67		74	70	67		73
10	81	73	68	65	80	72	68	65	72	67	65		71	67	64		70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	424925	424925	424925
5°	427049	427862	432737
10°	414359	414045	425552
15°	347271	347111	359859
20°	268462	271211	275005
25°	164582	167965	164924
30°	70577	73759	68330
35°	22160	26722	21571
40°	7621	9735	7397
45°	1364	4116	1145
50°	750	1500	750
55°	841	841	841
60°	654	654	654
65°	774	774	774
70°	453	453	453
75°	599	599	599
80°	893	893	893
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 4116 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.5	18.4
10°-20°	541.9	42.4
20°-30°	396.7	31.1
30°-40°	87.6	6.9
40°-50°	10.8	0.8
50°-60°	2.5	0.2
60°-70°	1.8	0.1
70°-80°	1.0	0.1
80°-90°	0.1	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°	1173.1	91.9
0°-40°	1260.8	98.7
0°-60°	1274.0	99.8
0°-90°	1276.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1276.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2467	2467	2467	2467	2467	
5°	2470	2468	2475	2493	2503	233
15°	1948	1937	1947	1994	2018	537
25°	866	865	884	877	868	392
35°	105	111	127	111	103	83
45°	6	9	17	9	5	8
55°	3	3	3	3	3	2
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2467.3	2467.3	2467.3	2467.3	2467.3
1°	2469.2	2465.5	2464.5	2471.1	2475.8
2°	2471.1	2466.4	2467.3	2473.9	2476.8
3°	2469.2	2464.5	2469.2	2478.6	2482.4
4°	2468.3	2466.4	2471.1	2484.3	2490.9
5°	2470.2	2468.3	2474.9	2492.8	2503.1
6°	2467.3	2464.5	2473.9	2496.5	2511.6
7°	2460.7	2457.9	2468.3	2495.6	2512.5
8°	2442.9	2437.2	2447.6	2481.5	2502.2
9°	2410.9	2403.3	2413.7	2453.2	2477.7
10°	2369.4	2361.0	2367.6	2406.1	2433.4
11°	2310.1	2298.8	2306.4	2347.8	2383.6
12°	2234.8	2218.8	2228.2	2275.3	2300.7
13°	2152.9	2137.9	2139.7	2182.1	2217.9
14°	2051.3	2031.5	2040.0	2084.2	2112.4
15°	1947.7	1937.3	1946.8	1993.8	2018.3
17.5°	1710.5	1709.5	1718.0	1752.8	1766.0
20°	1464.8	1467.6	1479.8	1498.7	1500.5
22.5°	1173.9	1174.8	1188.0	1201.2	1198.4
25°	866.1	865.1	883.9	877.4	867.9
27.5°	574.2	578.0	594.9	582.7	573.3
30°	354.9	362.4	370.9	355.8	343.6
32.5°	192.0	204.3	216.5	203.3	191.1
35°	105.4	111.1	127.1	111.1	102.6
37.5°	61.2	64.0	74.4	64.0	58.4
40°	33.9	38.6	43.3	38.6	32.9
42.5°	14.1	21.7	26.4	21.7	14.1
45°	5.6	9.4	16.9	9.4	4.7
47.5°	2.8	3.8	10.4	3.8	2.8
50°	2.8	2.8	5.6	2.8	2.8
52.5°	2.8	2.8	2.8	2.8	2.8
55°	2.8	2.8	2.8	2.8	2.8
57.5°	2.8	2.8	2.8	2.8	2.8
60°	1.9	1.9	1.9	2.8	1.9
62.5°	1.9	1.9	1.9	1.9	1.9
65°	1.9	1.9	1.9	1.9	1.9
67.5°	1.9	1.9	1.9	1.9	1.9
70°	0.9	0.9	0.9	1.9	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°	0.9	0.9	0.9	0.9	0.9
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)