

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: P1315398

Luminaire Tested: P3SQAS13R459740DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315398
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R459740DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

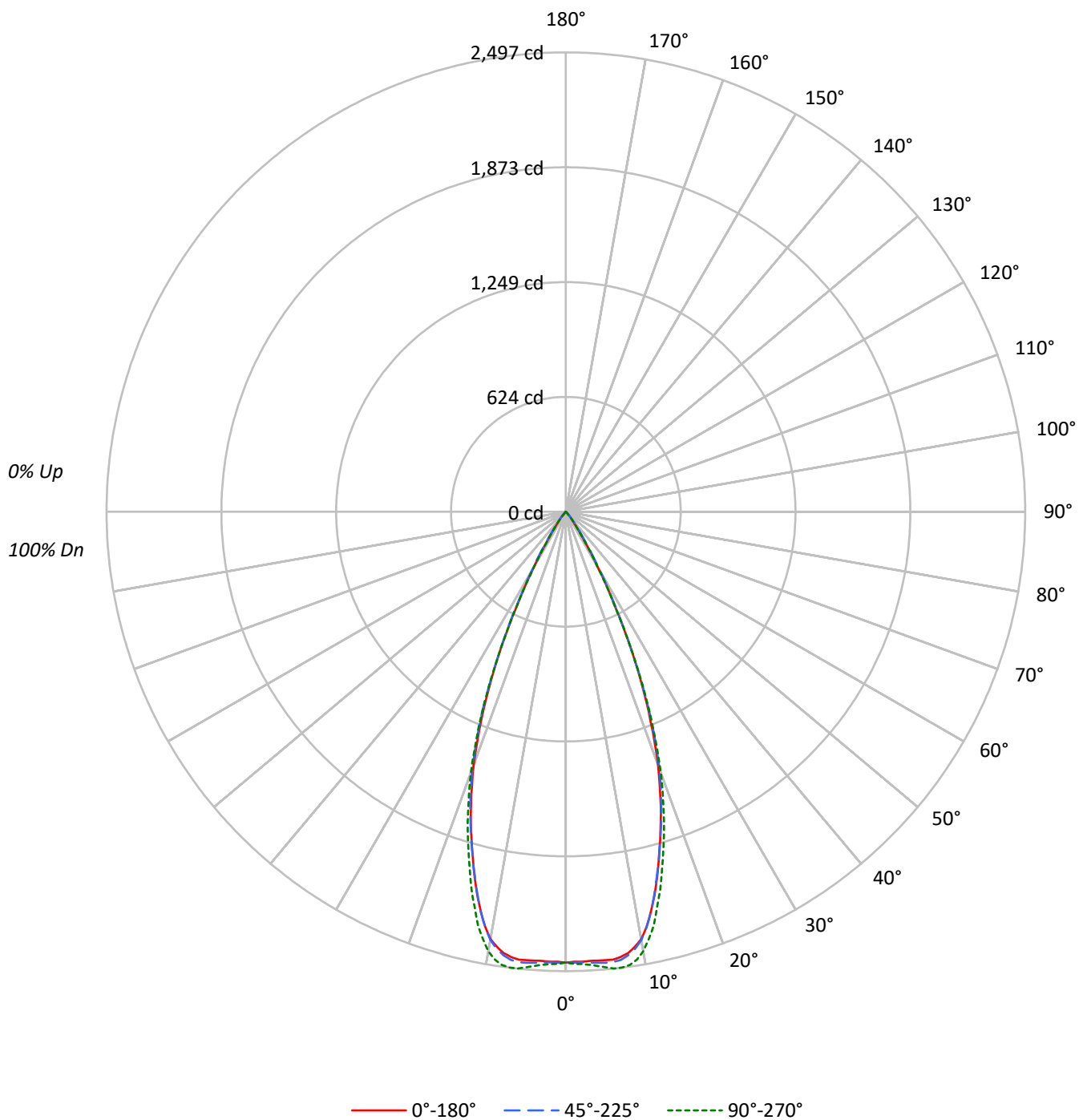
Lumens per Lamp: N/A
Luminaire Lumens: 1267.0 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	422049	422049	422049
5°	423004	425459	429677
10°	412418	413240	424118
15°	347931	348109	359520
20°	268590	272384	276874
25°	166615	166805	167870
30°	68728	73043	67614
35°	21382	26133	20583
40°	6565	9105	6138
45°	463	3434	463
50°	0	509	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3434 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.2	18.4
10°-20°	542.3	42.8
20°-30°	397.8	31.4
30°-40°	85.5	6.7
40°-50°	8.1	0.6
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	1173.3	92.6
0°-40°	1258.8	99.4
0°-60°	1267.0	100.0
0°-90°	1267.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1267.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2451	2451	2451	2451	2451	
5°	2447	2453	2461	2478	2485	231
15°	1951	1948	1952	1984	2016	537
25°	877	874	878	878	883	393
35°	102	109	124	106	98	80
45°	2	6	14	6	2	5
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	2450.6	2450.6	2450.6	2450.6	2450.6
1°	2445.9	2451.5	2451.5	2455.3	2457.2
2°	2447.8	2451.5	2450.6	2457.2	2460.0
3°	2444.9	2451.5	2453.4	2461.0	2465.7
4°	2445.9	2451.5	2457.2	2468.5	2475.1
5°	2446.8	2453.4	2461.0	2477.9	2485.4
6°	2447.8	2452.5	2461.0	2482.6	2496.7
7°	2438.4	2444.9	2454.4	2481.7	2496.7
8°	2423.3	2427.1	2434.6	2470.4	2488.3
9°	2395.0	2394.1	2405.4	2444.9	2465.7
10°	2358.3	2347.0	2363.0	2402.6	2425.2
11°	2299.0	2286.7	2300.9	2343.2	2364.9
12°	2221.7	2221.7	2224.6	2262.2	2299.9
13°	2139.8	2130.4	2136.0	2178.4	2204.8
14°	2049.4	2040.0	2045.6	2077.6	2119.1
15°	1951.4	1947.7	1952.4	1983.5	2016.4
17.5°	1718.8	1710.3	1727.3	1758.4	1775.3
20°	1465.5	1479.6	1486.2	1506.0	1510.7
22.5°	1174.4	1189.5	1198.9	1201.8	1204.6
25°	876.8	874.0	877.8	877.8	883.4
27.5°	576.4	576.4	586.7	580.2	573.6
30°	345.6	359.8	367.3	355.1	340.0
32.5°	188.4	202.5	214.7	196.8	183.7
35°	101.7	109.3	124.3	106.4	97.9
37.5°	55.6	62.2	71.6	60.3	55.6
40°	29.2	35.8	40.5	35.8	27.3
42.5°	9.4	17.9	23.5	17.9	8.5
45°	1.9	5.7	14.1	5.7	1.9
47.5°	0.0	0.9	6.6	0.9	0.0
50°	0.0	0.0	1.9	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
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



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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)