

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: P1310232

Luminaire Tested: P3SQAS13R259040DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310232
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R259040DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

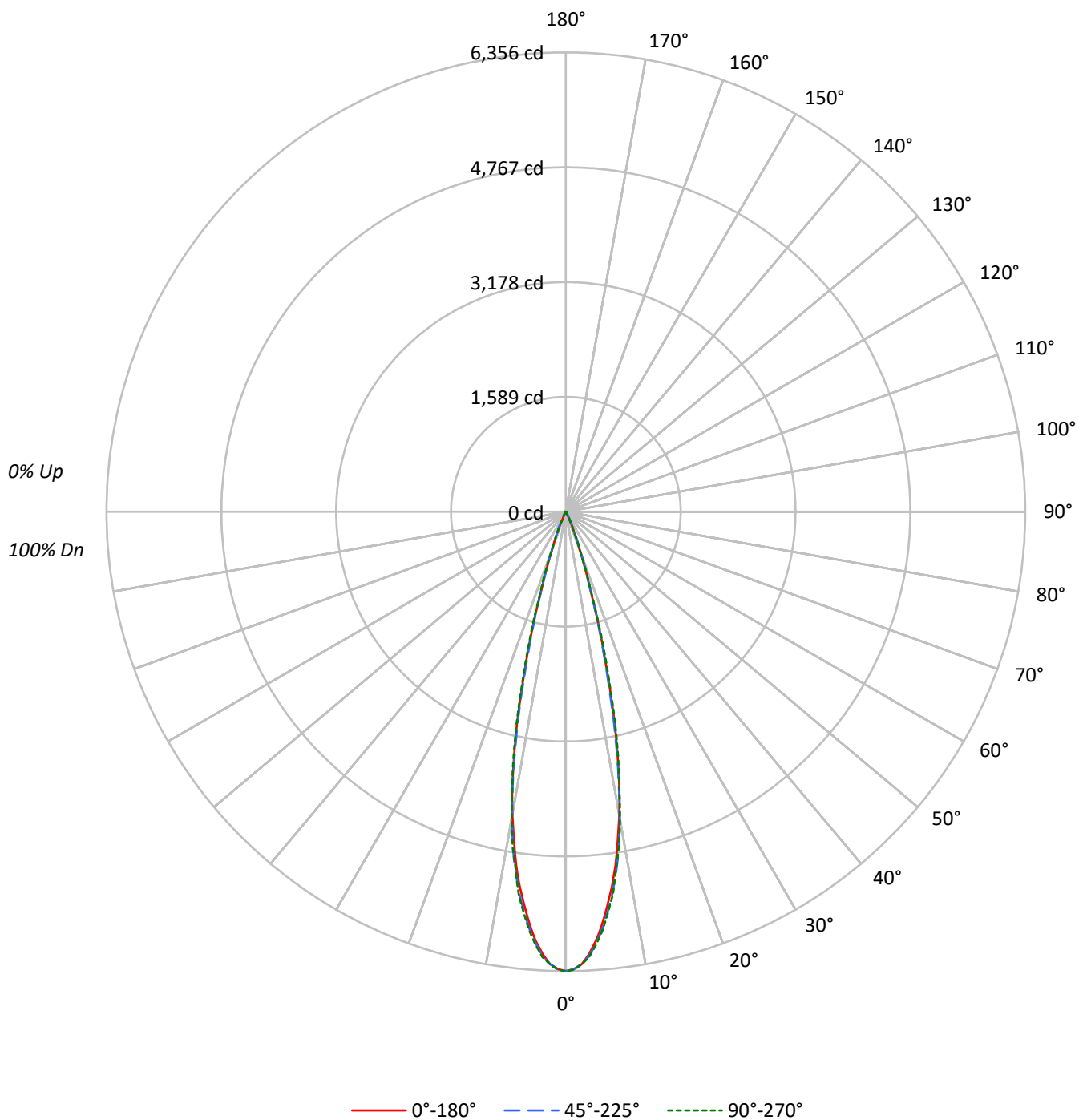
Lumens per Lamp: N/A
Luminaire Lumens: 1173.0 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	100	100	100
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	97	96	95	95	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	93	93
4	106	101	98	95	105	100	97	95	99	96	94	97	94	93	95	93	92	91	91	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	88	88	88
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	91	89	87	86	86	86
7	99	93	89	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85	85	85
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	86	84	83	83	83
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81	81	81
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	80	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1094630	1094630	1094630
5°	991954	1000995	1005871
10°	745703	751020	754482
15°	369237	358236	382093
20°	104284	106007	107161
25°	18091	34186	21473
30°	7080	7278	7497
35°	2208	2418	2418
40°	697	944	697
45°	511	244	511
50°	268	0	268
55°	300	0	300
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: 0°

Vertical Angle: 45°

Luminance: 511 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	504.9	43.0
10°-20°	569.4	48.5
20°-30°	88.3	7.5
30°-40°	8.9	0.8
40°-50°	1.2	0.1
50°-60°	0.2	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°	1162.6	99.1
0°-40°	1171.6	99.9
0°-60°	1173.0	100.0
0°-90°	1173.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1173.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6356	6356	6356	6356	6356	
5°	5738	5748	5790	5813	5818	500
15°	2071	2056	2009	2099	2143	567
25°	95	141	180	137	113	80
35°	10	12	12	13	12	8
45°	2	1	1	1	2	1
55°	1	0	0	0	1	1
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	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6355.9	6355.9	6355.9	6355.9	6355.9
1°	6329.8	6338.1	6328.7	6339.2	6338.1
2°	6263.9	6272.3	6260.7	6267.0	6267.0
3°	6129.0	6146.7	6157.2	6164.5	6170.8
4°	5951.2	5971.0	5986.7	6005.5	6005.5
5°	5737.8	5748.3	5790.1	5813.1	5818.3
6°	5483.6	5525.5	5556.9	5602.9	5574.6
7°	5229.5	5264.0	5307.9	5315.3	5335.1
8°	4940.8	4977.4	5018.2	5010.9	4994.2
9°	4589.4	4642.7	4690.9	4675.2	4696.1
10°	4264.1	4296.6	4294.5	4278.8	4314.3
11°	3886.6	3893.9	3853.1	3916.9	3878.2
12°	3438.9	3445.2	3392.9	3455.6	3495.4
13°	3010.1	2995.5	2923.3	3005.9	3056.1
14°	2516.4	2521.7	2429.6	2589.6	2577.1
15°	2070.9	2056.2	2009.2	2099.1	2143.0
17.5°	1103.4	1112.8	1101.3	1146.3	1174.5
20°	569.0	584.7	578.4	597.2	584.7
22.5°	294.9	316.9	323.2	308.5	268.8
25°	95.2	141.2	179.9	137.0	113.0
27.5°	57.5	56.5	87.9	60.7	61.7
30°	35.6	34.5	36.6	36.6	37.7
32.5°	19.9	20.9	19.9	22.0	20.9
35°	10.5	11.5	11.5	12.6	11.5
37.5°	6.3	7.3	7.3	7.3	6.3
40°	3.1	4.2	4.2	3.1	3.1
42.5°	2.1	2.1	2.1	2.1	2.1
45°	2.1	1.0	1.0	1.0	2.1
47.5°	1.0	1.0	0.0	1.0	1.0
50°	1.0	1.0	0.0	1.0	1.0
52.5°	1.0	0.0	0.0	0.0	1.0
55°	1.0	0.0	0.0	0.0	1.0
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)