

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: P1311282

Luminaire Tested: P3SQAS13R159050DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311282
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R159050DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

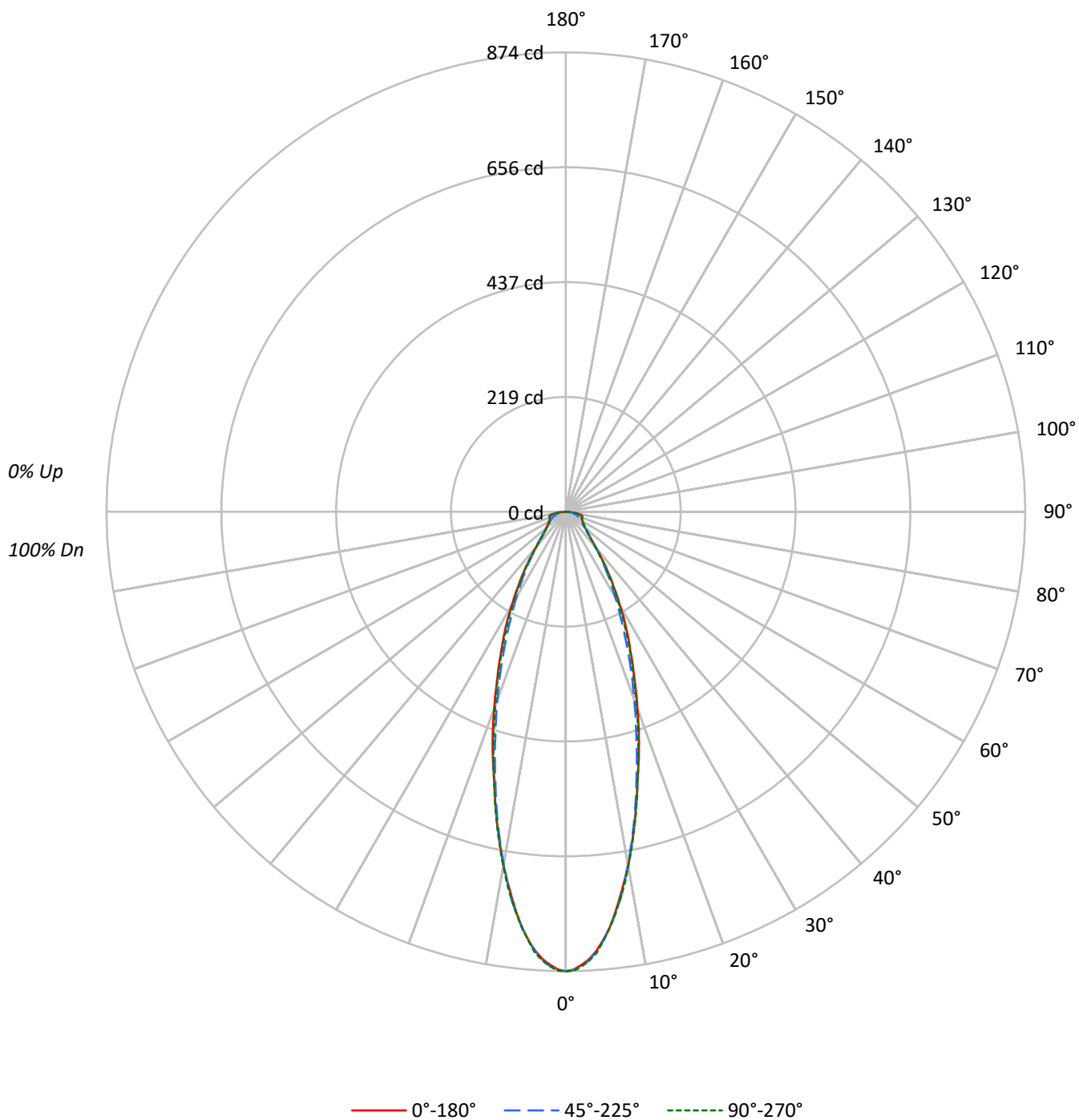
Lumens per Lamp: N/A
Luminaire Lumens: 586.0 lumens
Efficiency: N/A
Efficacy: 40.1 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	111	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	98	90	84	79	96	88	83	78	86	81	77		83	79	76		81
4	92	83	76	71	90	82	76	71	80	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67
7	78	68	61	56	77	67	60	56	66	60	56		64	59	55		63
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	71	60	54	49	70	60	53	49	59	53	49		58	53	49		57
10	68	57	51	47	67	57	51	47	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	150540	150540	150540
5°	141382	141572	141572
10°	119443	119058	119810
15°	93927	92608	94124
20°	72999	69681	72027
25°	55108	51269	54291
30°	40986	37387	40131
35°	29245	27248	28804
40°	19829	20054	19582
45°	14735	15515	14735
50°	12807	12807	12807
55°	12431	11800	12431
60°	12813	11711	12434
65°	13855	12103	13855
70°	16567	12287	16567
75°	21227	12709	21227
80°	26382	13687	25291
85°	20946	12647	23120

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 26382 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.7	12.6
10°-20°	145.7	24.9
20°-30°	128.8	22.0
30°-40°	84.6	14.4
40°-50°	49.4	8.4
50°-60°	36.4	6.2
60°-70°	31.0	5.3
70°-80°	25.6	4.4
80°-90°	10.6	1.8
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°	348.3	59.4
0°-40°	432.9	73.9
0°-60°	518.8	88.5
0°-90°	586.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	586.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	874	874	874	874	874	
5°	818	818	819	820	819	74
15°	527	527	519	526	528	147
25°	290	280	270	277	286	134
35°	139	134	130	133	137	88
45°	60	62	64	62	60	49
55°	41	40	39	40	41	37
65°	34	31	30	31	34	34
75°	32	23	19	24	32	33
85°	11	12	6	11	12	12
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	874.1	874.1	874.1	874.1	874.1
1°	870.9	872.0	872.0	873.1	873.1
2°	862.5	864.6	865.6	865.6	865.6
3°	851.8	852.9	854.0	855.0	855.0
4°	837.0	838.0	838.0	840.1	841.2
5°	817.8	817.8	818.9	820.0	818.9
6°	795.5	795.5	796.6	796.6	796.6
7°	769.0	770.0	771.1	772.2	771.1
8°	740.3	741.4	744.6	744.6	743.5
9°	711.6	712.7	712.7	715.9	715.9
10°	683.0	683.0	680.8	683.0	685.1
12.5°	605.4	604.4	601.2	604.4	606.5
15°	526.8	526.8	519.4	525.8	527.9
17.5°	463.1	453.5	446.1	452.5	457.8
20°	398.3	388.7	380.2	386.6	393.0
22.5°	339.9	332.4	321.8	328.2	335.6
25°	290.0	280.4	269.8	277.2	285.7
27.5°	248.5	235.8	225.2	233.7	241.1
30°	206.1	197.6	188.0	194.4	201.8
32.5°	169.9	163.6	156.1	161.4	167.8
35°	139.1	133.8	129.6	132.8	137.0
37.5°	111.5	109.4	107.3	108.3	108.3
40°	88.2	89.2	89.2	89.2	87.1
42.5°	72.2	73.3	75.4	73.3	72.2
45°	60.5	61.6	63.7	61.6	60.5
47.5°	53.1	54.2	55.2	53.1	53.1
50°	47.8	47.8	47.8	47.8	47.8
52.5°	44.6	43.5	43.5	43.5	44.6
55°	41.4	40.4	39.3	40.4	41.4
57.5°	38.2	37.2	36.1	37.2	38.2
60°	37.2	35.1	34.0	35.1	36.1
62.5°	35.1	32.9	31.9	32.9	35.1
65°	34.0	30.8	29.7	30.8	34.0
67.5°	32.9	28.7	26.6	28.7	32.9
70°	32.9	26.6	24.4	27.6	32.9
72.5°	31.9	25.5	21.2	25.5	31.9
75°	31.9	23.4	19.1	24.4	31.9
77.5°	29.7	21.2	15.9	22.3	29.7
80°	26.6	19.1	13.8	20.2	25.5
82.5°	19.1	15.9	10.6	15.9	19.1
85°	10.6	11.7	6.4	10.6	11.7
87.5°	1.1	3.2	2.1	6.4	5.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)