

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: P1306883

Luminaire Tested: P3SQAS13R259027DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306883
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R259027DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

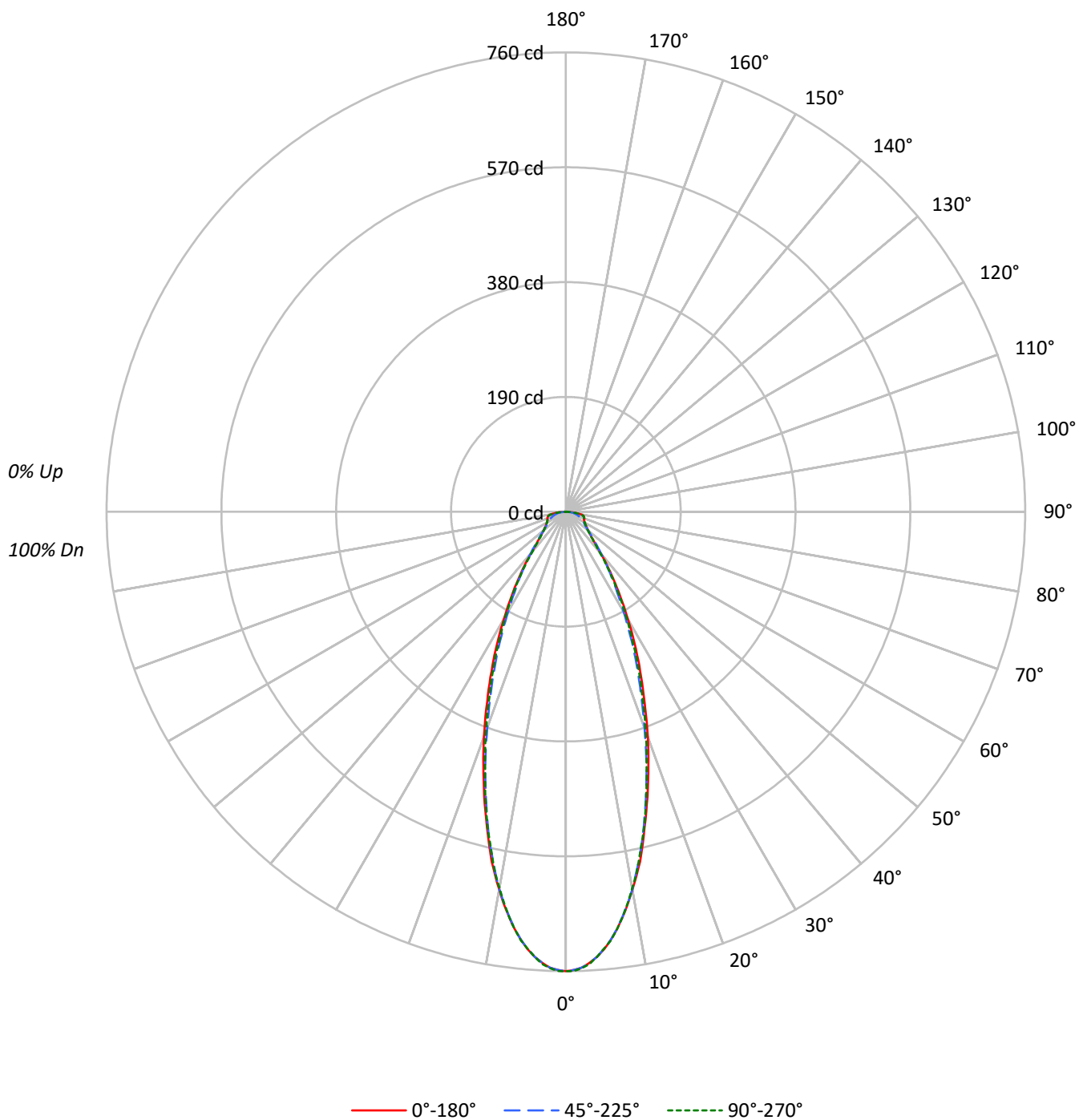
Lumens per Lamp: N/A
Luminaire Lumens: 574.0 lumens
Efficiency: N/A
Efficacy: 39.3 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	130889	130889	130889
5°	125598	125442	125442
10°	111031	110874	110541
15°	91681	90397	90878
20°	72632	69645	70818
25°	55317	52390	53778
30°	40767	37884	39495
35°	29182	27836	28215
40°	19987	20391	19380
45°	14808	15685	14589
50°	12887	12887	12646
55°	12251	11710	12251
60°	12503	11573	12503
65°	13692	11818	13692
70°	16416	11884	15962
75°	20495	12643	20495
80°	26084	13488	24299
85°	21539	12449	21539

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 26084 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.3	11.6
10°-20°	140.9	24.6
20°-30°	129.1	22.5
30°-40°	85.2	14.8
40°-50°	49.6	8.6
50°-60°	36.2	6.3
60°-70°	30.7	5.4
70°-80°	25.4	4.4
80°-90°	10.5	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°	336.4	58.6
0°-40°	421.5	73.4
0°-60°	507.3	88.4
0°-90°	574.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	574.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	760	760	760	760	760	
5°	726	726	726	726	726	66
15°	514	512	507	509	510	142
25°	291	283	276	277	283	134
35°	139	136	132	132	134	88
45°	61	63	64	61	60	49
55°	41	41	39	40	41	37
65°	34	31	29	31	34	34
75°	31	24	19	24	31	32
85°	11	12	6	12	11	12
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	760.0	760.0	760.0	760.0	760.0
1°	758.2	758.2	758.2	758.2	760.0
2°	754.6	753.7	754.6	754.6	755.5
3°	747.3	747.3	747.3	747.3	749.1
4°	738.3	738.3	738.3	738.3	738.3
5°	726.5	725.6	725.6	726.5	725.6
6°	712.0	712.0	712.0	712.0	712.9
7°	695.6	694.7	694.7	693.8	695.6
8°	676.6	676.6	675.7	674.8	676.6
9°	656.6	657.5	655.7	654.8	654.8
10°	634.9	634.0	634.0	634.0	632.1
11°	613.1	610.4	609.5	609.5	611.3
12°	591.3	586.8	585.0	585.0	585.0
13°	565.0	563.2	560.5	558.7	559.6
14°	538.7	538.7	534.2	534.2	536.0
15°	514.2	512.4	507.0	508.8	509.7
17.5°	453.5	449.8	443.5	443.5	444.4
20°	396.3	390.0	380.0	384.5	386.4
22.5°	340.1	333.8	323.8	328.3	330.1
25°	291.1	283.0	275.7	276.6	283.0
27.5°	246.7	237.6	230.4	233.1	236.7
30°	205.0	199.5	190.5	195.0	198.6
32.5°	169.6	165.1	158.7	161.4	165.1
35°	138.8	136.0	132.4	132.4	134.2
37.5°	112.5	111.6	109.7	108.8	107.9
40°	88.9	90.7	90.7	88.9	86.2
42.5°	72.6	74.4	76.2	72.6	69.8
45°	60.8	62.6	64.4	60.8	59.9
47.5°	53.5	54.4	55.3	53.5	52.6
50°	48.1	48.1	48.1	47.2	47.2
52.5°	44.4	43.5	42.6	43.5	43.5
55°	40.8	40.8	39.0	39.9	40.8
57.5°	38.1	37.2	36.3	37.2	38.1
60°	36.3	34.5	33.6	34.5	36.3
62.5°	34.5	32.6	30.8	32.6	34.5
65°	33.6	30.8	29.0	30.8	33.6
67.5°	32.6	29.0	26.3	29.0	32.6
70°	32.6	27.2	23.6	27.2	31.7
72.5°	31.7	25.4	21.8	25.4	31.7
75°	30.8	23.6	19.0	23.6	30.8
77.5°	29.9	21.8	16.3	21.8	29.0
80°	26.3	20.0	13.6	20.0	24.5
82.5°	19.0	16.3	10.9	16.3	18.1
85°	10.9	11.8	6.3	11.8	10.9
87.5°	1.8	2.7	1.8	4.5	3.6



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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)