

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: P1306558

Luminaire Tested: P3SQAS05R259027DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306558
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: P3SQAS05R259027DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

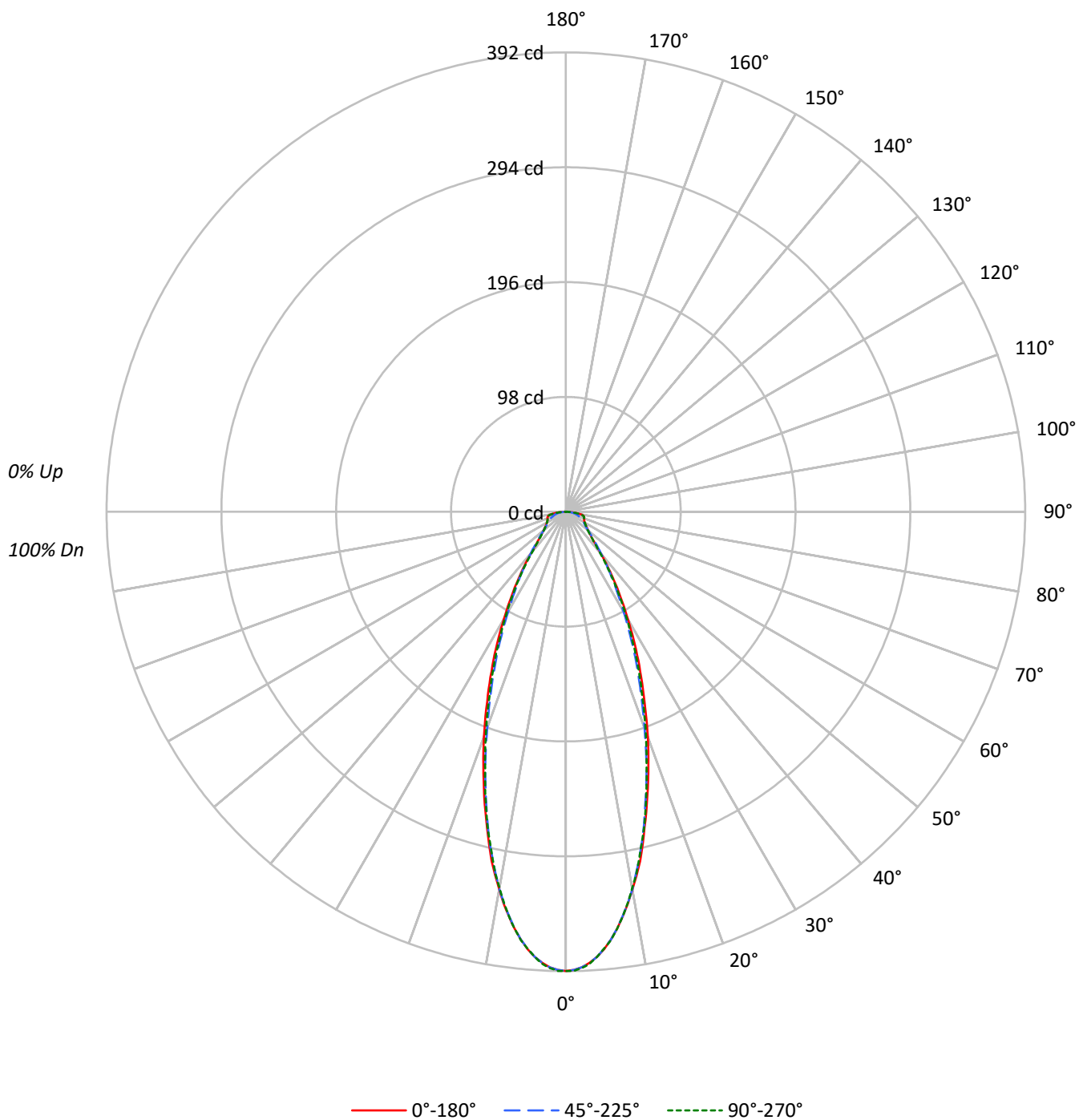
Lumens per Lamp: N/A
Luminaire Lumens: 296.0 lumens
Efficiency: N/A
Efficacy: 41.1 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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°	67494	67494	67494
5°	64761	64692	64692
10°	57256	57168	57011
15°	47285	46607	46857
20°	37462	35922	36508
25°	28523	27022	27725
30°	21020	19529	20364
35°	15054	14360	14549
40°	10297	10522	9982
45°	7623	8086	7526
50°	6645	6645	6511
55°	6305	6035	6305
60°	6441	5959	6441
65°	7050	6113	7050
70°	8460	6143	8258
75°	10580	6521	10580
80°	13488	6943	12497
85°	11066	6521	11066

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 13488 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.2	11.6
10°-20°	72.7	24.6
20°-30°	66.6	22.5
30°-40°	43.9	14.8
40°-50°	25.6	8.6
50°-60°	18.7	6.3
60°-70°	15.9	5.4
70°-80°	13.1	4.4
80°-90°	5.4	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°	173.5	58.6
0°-40°	217.4	73.4
0°-60°	261.6	88.4
0°-90°	296.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	296.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	392	392	392	392	392	
5°	375	374	374	375	374	34
15°	265	264	261	262	263	73
25°	150	146	142	143	146	69
35°	72	70	68	68	69	45
45°	31	32	33	31	31	25
55°	21	21	20	21	21	19
65°	17	16	15	16	17	17
75°	16	12	10	12	16	17
85°	6	6	3	6	6	6
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	391.9	391.9	391.9	391.9	391.9
1°	391.0	391.0	391.0	391.0	391.9
2°	389.1	388.7	389.1	389.1	389.6
3°	385.4	385.4	385.4	385.4	386.3
4°	380.7	380.7	380.7	380.7	380.7
5°	374.6	374.2	374.2	374.6	374.2
6°	367.1	367.1	367.1	367.1	367.6
7°	358.7	358.3	358.3	357.8	358.7
8°	348.9	348.9	348.4	348.0	348.9
9°	338.6	339.1	338.1	337.7	337.7
10°	327.4	326.9	326.9	326.9	326.0
11°	316.2	314.8	314.3	314.3	315.2
12°	304.9	302.6	301.7	301.7	301.7
13°	291.4	290.4	289.0	288.1	288.6
14°	277.8	277.8	275.5	275.5	276.4
15°	265.2	264.2	261.4	262.4	262.8
17.5°	233.8	232.0	228.7	228.7	229.2
20°	204.4	201.1	196.0	198.3	199.2
22.5°	175.4	172.1	167.0	169.3	170.2
25°	150.1	145.9	142.2	142.6	145.9
27.5°	127.2	122.5	118.8	120.2	122.1
30°	105.7	102.9	98.2	100.6	102.4
32.5°	87.5	85.1	81.8	83.2	85.1
35°	71.6	70.2	68.3	68.3	69.2
37.5°	58.0	57.5	56.6	56.1	55.7
40°	45.8	46.8	46.8	45.8	44.4
42.5°	37.4	38.4	39.3	37.4	36.0
45°	31.3	32.3	33.2	31.3	30.9
47.5°	27.6	28.1	28.5	27.6	27.1
50°	24.8	24.8	24.8	24.3	24.3
52.5°	22.9	22.4	22.0	22.4	22.4
55°	21.0	21.0	20.1	20.6	21.0
57.5°	19.6	19.2	18.7	19.2	19.6
60°	18.7	17.8	17.3	17.8	18.7
62.5°	17.8	16.8	15.9	16.8	17.8
65°	17.3	15.9	15.0	15.9	17.3
67.5°	16.8	15.0	13.6	15.0	16.8
70°	16.8	14.0	12.2	14.0	16.4
72.5°	16.4	13.1	11.2	13.1	16.4
75°	15.9	12.2	9.8	12.2	15.9
77.5°	15.4	11.2	8.4	11.2	15.0
80°	13.6	10.3	7.0	10.3	12.6
82.5°	9.8	8.4	5.6	8.4	9.4
85°	5.6	6.1	3.3	6.1	5.6
87.5°	0.9	1.4	0.9	2.3	1.9



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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)