

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: P1315943

Luminaire Tested: P3SQAS05R259827DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315943
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: P3SQAS05R259827DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

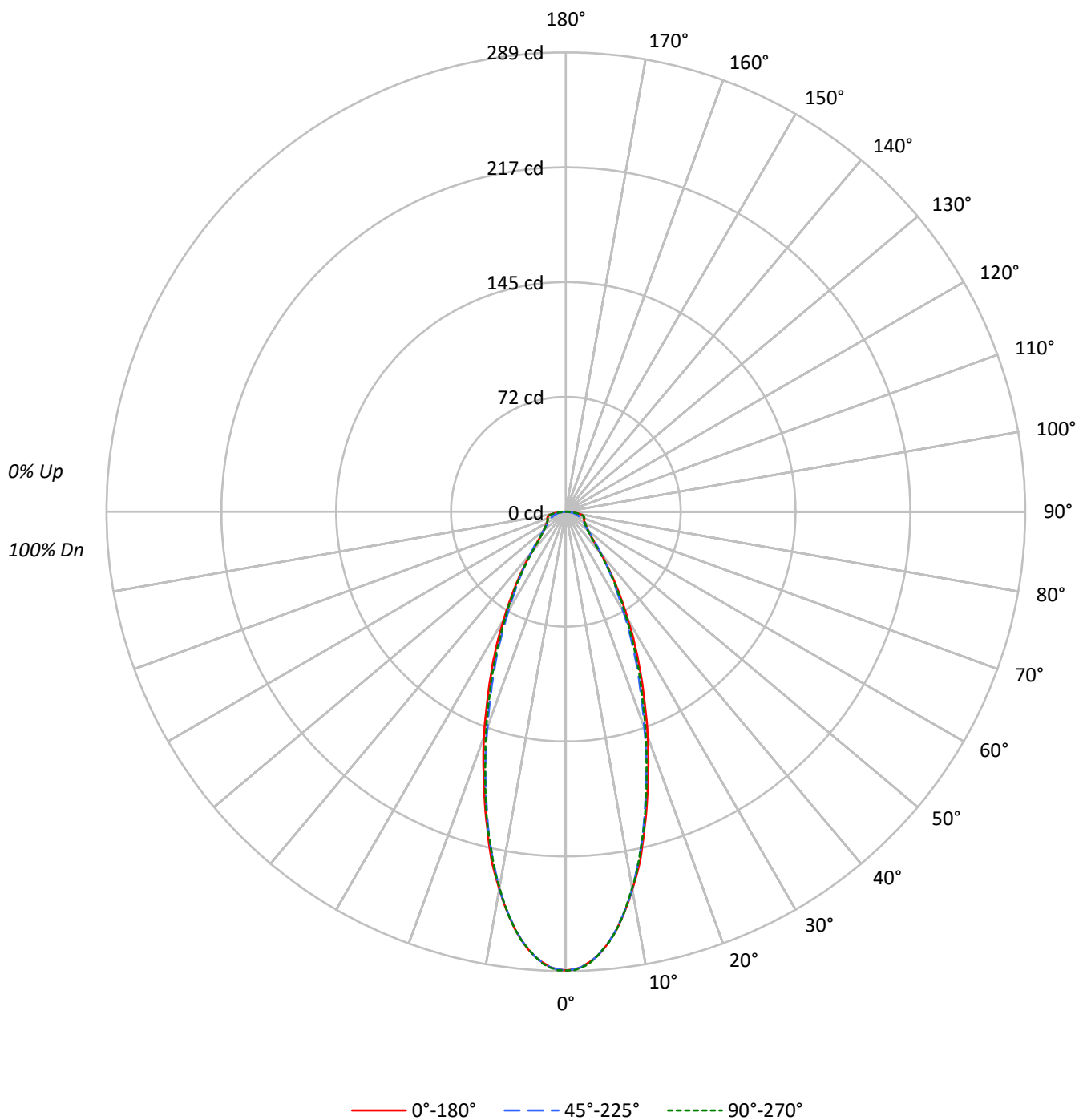
Lumens per Lamp: N/A
Luminaire Lumens: 218.0 lumens
Efficiency: N/A
Efficacy: 30.3 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	49703	49703	49703
5°	47698	47646	47646
10°	42163	42111	41989
15°	34822	34322	34518
20°	27583	26447	26887
25°	21017	19896	20428
30°	15472	14378	14994
35°	11080	10575	10722
40°	7599	7734	7352
45°	5626	5967	5529
50°	4903	4903	4796
55°	4654	4444	4654
60°	4753	4374	4753
65°	5175	4483	5175
70°	6244	4532	6093
75°	7785	4791	7785
80°	9918	5157	9224
85°	8102	4742	8102

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 9918 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.2	11.6
10°-20°	53.5	24.5
20°-30°	49.0	22.5
30°-40°	32.3	14.8
40°-50°	18.8	8.6
50°-60°	13.8	6.3
60°-70°	11.7	5.4
70°-80°	9.7	4.4
80°-90°	4.0	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°	127.8	58.6
0°-40°	160.1	73.4
0°-60°	192.7	88.4
0°-90°	218.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	218.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	289	289	289	289	289	
5°	276	276	276	276	276	25
15°	195	195	192	193	194	54
25°	111	108	105	105	108	51
35°	53	52	50	50	51	33
45°	23	24	24	23	23	19
55°	16	16	15	15	16	14
65°	13	12	11	12	13	13
75°	12	9	7	9	12	12
85°	4	4	2	4	4	5
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	288.6	288.6	288.6	288.6	288.6
1°	288.0	288.0	288.0	288.0	288.6
2°	286.6	286.2	286.6	286.6	286.9
3°	283.8	283.8	283.8	283.8	284.5
4°	280.4	280.4	280.4	280.4	280.4
5°	275.9	275.6	275.6	275.9	275.6
6°	270.4	270.4	270.4	270.4	270.7
7°	264.2	263.8	263.8	263.5	264.2
8°	257.0	257.0	256.6	256.3	257.0
9°	249.4	249.7	249.0	248.7	248.7
10°	241.1	240.8	240.8	240.8	240.1
11°	232.8	231.8	231.5	231.5	232.2
12°	224.6	222.9	222.2	222.2	222.2
13°	214.6	213.9	212.9	212.2	212.5
14°	204.6	204.6	202.9	202.9	203.6
15°	195.3	194.6	192.5	193.2	193.6
17.5°	172.2	170.8	168.4	168.4	168.8
20°	150.5	148.1	144.3	146.0	146.7
22.5°	129.2	126.8	123.0	124.7	125.4
25°	110.6	107.5	104.7	105.1	107.5
27.5°	93.7	90.2	87.5	88.5	89.9
30°	77.8	75.8	72.3	74.1	75.4
32.5°	64.4	62.7	60.3	61.3	62.7
35°	52.7	51.7	50.3	50.3	51.0
37.5°	42.7	42.4	41.7	41.3	41.0
40°	33.8	34.4	34.4	33.8	32.7
42.5°	27.6	28.2	28.9	27.6	26.5
45°	23.1	23.8	24.5	23.1	22.7
47.5°	20.3	20.7	21.0	20.3	20.0
50°	18.3	18.3	18.3	17.9	17.9
52.5°	16.9	16.5	16.2	16.5	16.5
55°	15.5	15.5	14.8	15.2	15.5
57.5°	14.5	14.1	13.8	14.1	14.5
60°	13.8	13.1	12.7	13.1	13.8
62.5°	13.1	12.4	11.7	12.4	13.1
65°	12.7	11.7	11.0	11.7	12.7
67.5°	12.4	11.0	10.0	11.0	12.4
70°	12.4	10.3	9.0	10.3	12.1
72.5°	12.1	9.6	8.3	9.6	12.1
75°	11.7	9.0	7.2	9.0	11.7
77.5°	11.4	8.3	6.2	8.3	11.0
80°	10.0	7.6	5.2	7.6	9.3
82.5°	7.2	6.2	4.1	6.2	6.9
85°	4.1	4.5	2.4	4.5	4.1
87.5°	0.7	1.0	0.7	1.7	1.4



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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)