

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: P1305554

Luminaire Tested: P3SQAS05R159024DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305554
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: P3SQAS05R159024DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

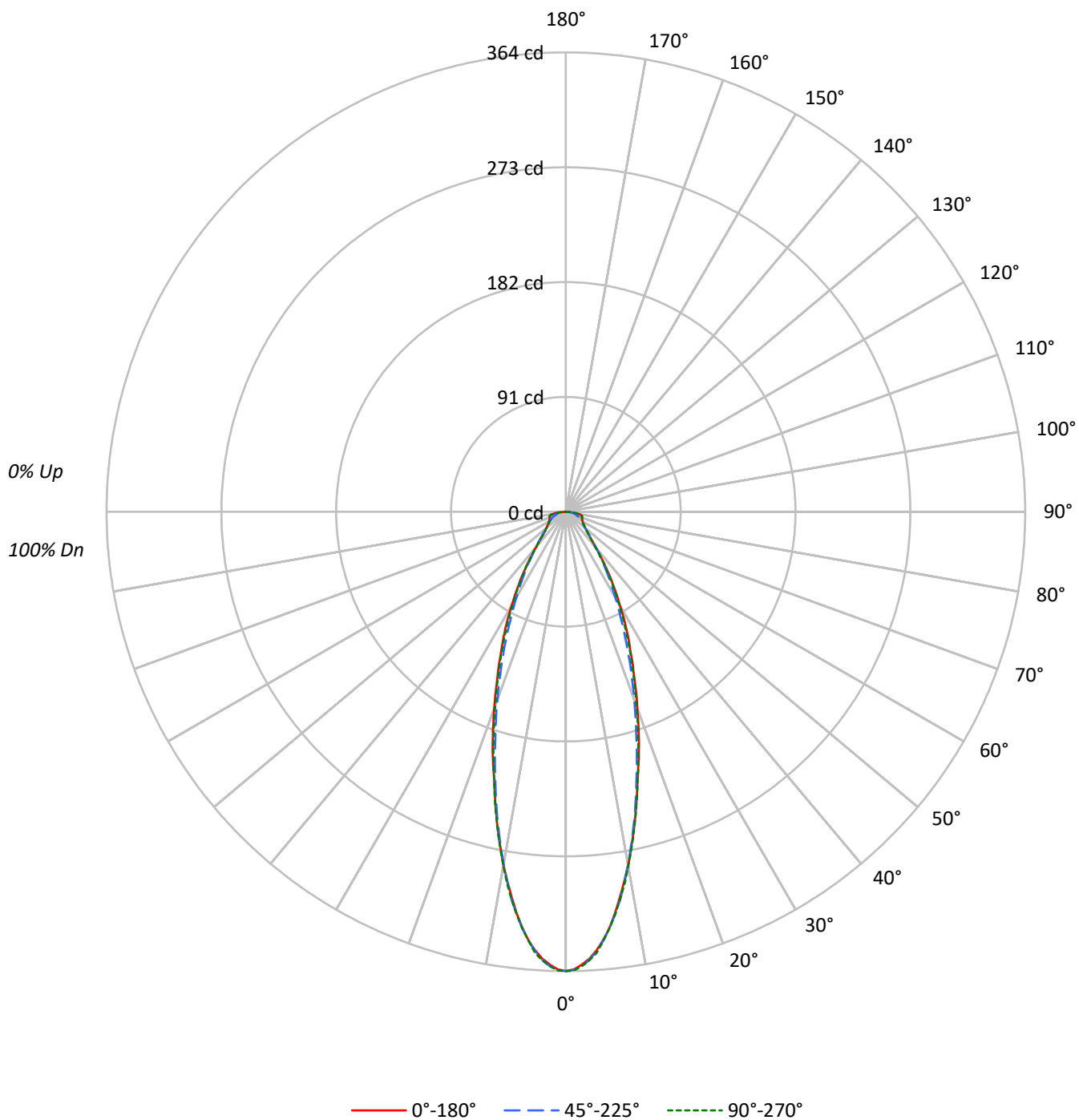
Lumens per Lamp: N/A
Luminaire Lumens: 244.0 lumens
Efficiency: N/A
Efficacy: 33.9 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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		72	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°	62689	62689	62689
5°	58866	58952	58952
10°	49736	49578	49893
15°	39119	38566	39190
20°	30387	29013	29984
25°	22936	21340	22613
30°	17063	15571	16705
35°	12173	11353	12005
40°	8251	8341	8161
45°	6138	6454	6138
50°	5332	5332	5332
55°	5164	4924	5164
60°	5339	4891	5167
65°	5787	5053	5787
70°	6899	5136	6899
75°	8850	5323	8850
80°	11009	5653	10513
85°	8695	5335	9683

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 11009 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.7	12.6
10°-20°	60.7	24.9
20°-30°	53.6	22.0
30°-40°	35.2	14.4
40°-50°	20.6	8.4
50°-60°	15.2	6.2
60°-70°	12.9	5.3
70°-80°	10.7	4.4
80°-90°	4.4	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°	145.0	59.4
0°-40°	180.3	73.9
0°-60°	216.0	88.5
0°-90°	244.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	244.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	364	364	364	364	364	
5°	340	340	341	341	341	31
15°	219	219	216	219	220	61
25°	121	117	112	115	119	56
35°	58	56	54	55	57	37
45°	25	26	26	26	25	20
55°	17	17	16	17	17	16
65°	14	13	12	13	14	14
75°	13	10	8	10	13	14
85°	4	5	3	4	5	5
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	364.0	364.0	364.0	364.0	364.0
1°	362.6	363.1	363.1	363.5	363.5
2°	359.1	360.0	360.4	360.4	360.4
3°	354.7	355.1	355.6	356.0	356.0
4°	348.5	348.9	348.9	349.8	350.3
5°	340.5	340.5	341.0	341.4	341.0
6°	331.2	331.2	331.7	331.7	331.7
7°	320.2	320.6	321.1	321.5	321.1
8°	308.3	308.7	310.0	310.0	309.6
9°	296.3	296.8	296.8	298.1	298.1
10°	284.4	284.4	283.5	284.4	285.3
12.5°	252.1	251.6	250.3	251.6	252.5
15°	219.4	219.4	216.3	218.9	219.8
17.5°	192.8	188.8	185.7	188.4	190.6
20°	165.8	161.9	158.3	161.0	163.6
22.5°	141.5	138.4	134.0	136.7	139.8
25°	120.7	116.8	112.3	115.4	119.0
27.5°	103.5	98.2	93.8	97.3	100.4
30°	85.8	82.3	78.3	80.9	84.0
32.5°	70.8	68.1	65.0	67.2	69.9
35°	57.9	55.7	54.0	55.3	57.1
37.5°	46.4	45.6	44.7	45.1	45.1
40°	36.7	37.1	37.1	37.1	36.3
42.5°	30.1	30.5	31.4	30.5	30.1
45°	25.2	25.7	26.5	25.7	25.2
47.5°	22.1	22.6	23.0	22.1	22.1
50°	19.9	19.9	19.9	19.9	19.9
52.5°	18.6	18.1	18.1	18.1	18.6
55°	17.2	16.8	16.4	16.8	17.2
57.5°	15.9	15.5	15.0	15.5	15.9
60°	15.5	14.6	14.2	14.6	15.0
62.5°	14.6	13.7	13.3	13.7	14.6
65°	14.2	12.8	12.4	12.8	14.2
67.5°	13.7	11.9	11.1	11.9	13.7
70°	13.7	11.1	10.2	11.5	13.7
72.5°	13.3	10.6	8.8	10.6	13.3
75°	13.3	9.7	8.0	10.2	13.3
77.5°	12.4	8.8	6.6	9.3	12.4
80°	11.1	8.0	5.7	8.4	10.6
82.5°	8.0	6.6	4.4	6.6	8.0
85°	4.4	4.9	2.7	4.4	4.9
87.5°	0.4	1.3	0.9	2.7	2.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)