

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: P1312090

Luminaire Tested: P3SQAS05R209727DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312090
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R209727DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

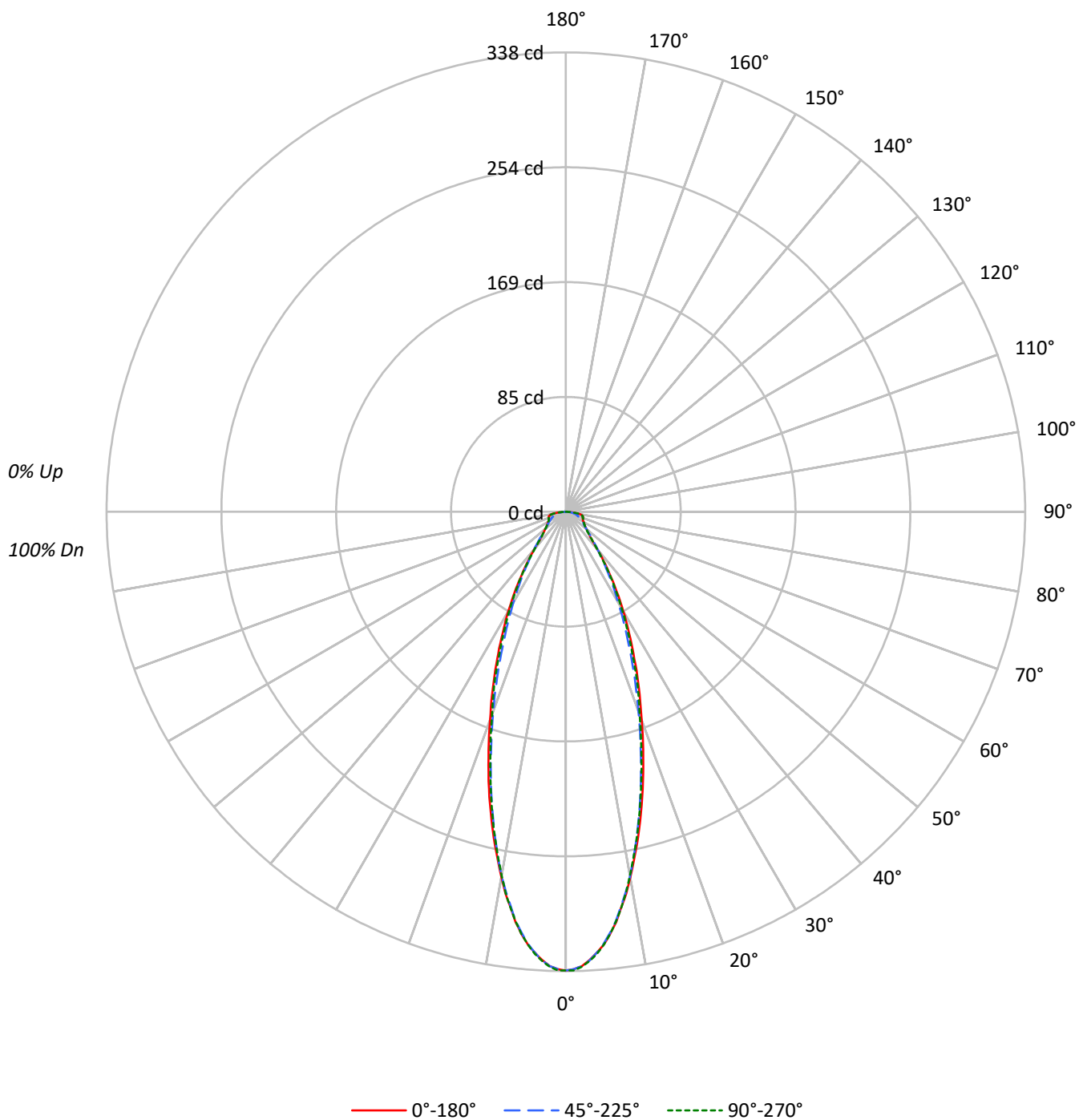
Lumens per Lamp: N/A
Luminaire Lumens: 238.0 lumens
Efficiency: N/A
Efficacy: 33.1 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	85	81	77		83	79	75		81
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	68	64		72	67	63		71
6	82	72	65	60	81	71	65	60	69	64	59		68	63	59		67
7	78	67	61	56	77	67	60	56	65	60	55		64	59	55		63
8	74	63	57	52	73	63	57	52	62	56	52		61	55	52		60
9	71	60	53	49	69	59	53	49	58	53	49		57	52	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	58125	58125	58125
5°	55304	55166	55304
10°	47742	47602	47515
15°	38744	37853	37995
20°	29856	28554	29086
25°	22670	20998	22043
30°	16824	15313	16327
35°	11879	11101	11711
40°	8183	8183	8004
45°	6016	6333	6016
50°	5278	5278	5278
55°	5014	4894	5014
60°	5201	4753	5201
65°	5624	4768	5624
70°	6748	4834	6748
75°	8650	5323	8650
80°	10811	5356	10414
85°	8299	4940	9090

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 10811 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.0	12.2
10°-20°	59.1	24.8
20°-30°	52.8	22.2
30°-40°	34.6	14.6
40°-50°	20.1	8.5
50°-60°	14.9	6.3
60°-70°	12.6	5.3
70°-80°	10.4	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°	140.9	59.2
0°-40°	175.5	73.7
0°-60°	210.6	88.5
0°-90°	238.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	238.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	338	338	338	338	338	
5°	320	320	319	320	320	29
15°	217	215	212	213	213	60
25°	119	116	110	114	116	55
35°	56	55	53	54	56	36
45°	25	25	26	25	25	20
55°	17	16	16	16	17	15
65°	14	13	12	13	14	14
75°	13	10	8	10	13	13
85°	4	5	2	5	5	5
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	337.5	337.5	337.5	337.5	337.5
1°	336.6	337.1	336.6	337.1	337.5
2°	334.6	335.0	334.6	334.6	335.0
3°	330.4	330.8	330.8	330.8	331.2
4°	325.3	325.8	325.3	325.8	326.2
5°	319.9	319.5	319.1	319.5	319.9
6°	312.4	311.9	311.5	311.9	312.4
7°	304.0	303.6	303.1	303.1	303.6
8°	293.5	293.9	292.7	293.5	293.9
9°	284.3	283.5	282.6	282.6	283.5
10°	273.0	272.2	272.2	271.7	271.7
12.5°	245.4	243.7	242.4	242.4	242.9
15°	217.3	215.2	212.3	212.7	213.1
17.5°	189.3	186.7	183.0	183.8	184.7
20°	162.9	160.4	155.8	157.4	158.7
22.5°	140.3	136.5	132.3	133.6	137.8
25°	119.3	116.0	110.5	113.5	116.0
27.5°	100.9	97.1	92.5	95.5	98.0
30°	84.6	81.2	77.0	79.6	82.1
32.5°	69.9	67.0	64.1	65.7	67.8
35°	56.5	54.9	52.8	54.4	55.7
37.5°	45.6	44.8	44.0	44.8	44.4
40°	36.4	36.8	36.4	36.4	35.6
42.5°	28.9	30.1	30.6	29.7	28.9
45°	24.7	25.1	26.0	25.1	24.7
47.5°	21.8	21.8	22.2	21.8	21.4
50°	19.7	19.7	19.7	19.7	19.7
52.5°	18.0	18.0	17.6	18.0	18.0
55°	16.7	16.3	16.3	16.3	16.7
57.5°	15.9	15.5	15.1	15.5	15.9
60°	15.1	14.2	13.8	14.2	15.1
62.5°	14.2	13.4	13.0	13.4	14.2
65°	13.8	12.6	11.7	12.6	13.8
67.5°	13.4	11.7	10.9	11.7	13.8
70°	13.4	10.9	9.6	11.3	13.4
72.5°	13.0	10.5	8.8	10.5	13.0
75°	13.0	9.6	8.0	9.6	13.0
77.5°	12.1	8.8	6.7	8.8	12.1
80°	10.9	8.0	5.4	8.0	10.5
82.5°	8.0	6.7	4.2	6.7	8.0
85°	4.2	4.6	2.5	4.6	4.6
87.5°	0.4	1.7	0.8	2.5	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)