

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: P1307057

Luminaire Tested: P3SQAS17R309027DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307057
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R309027DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

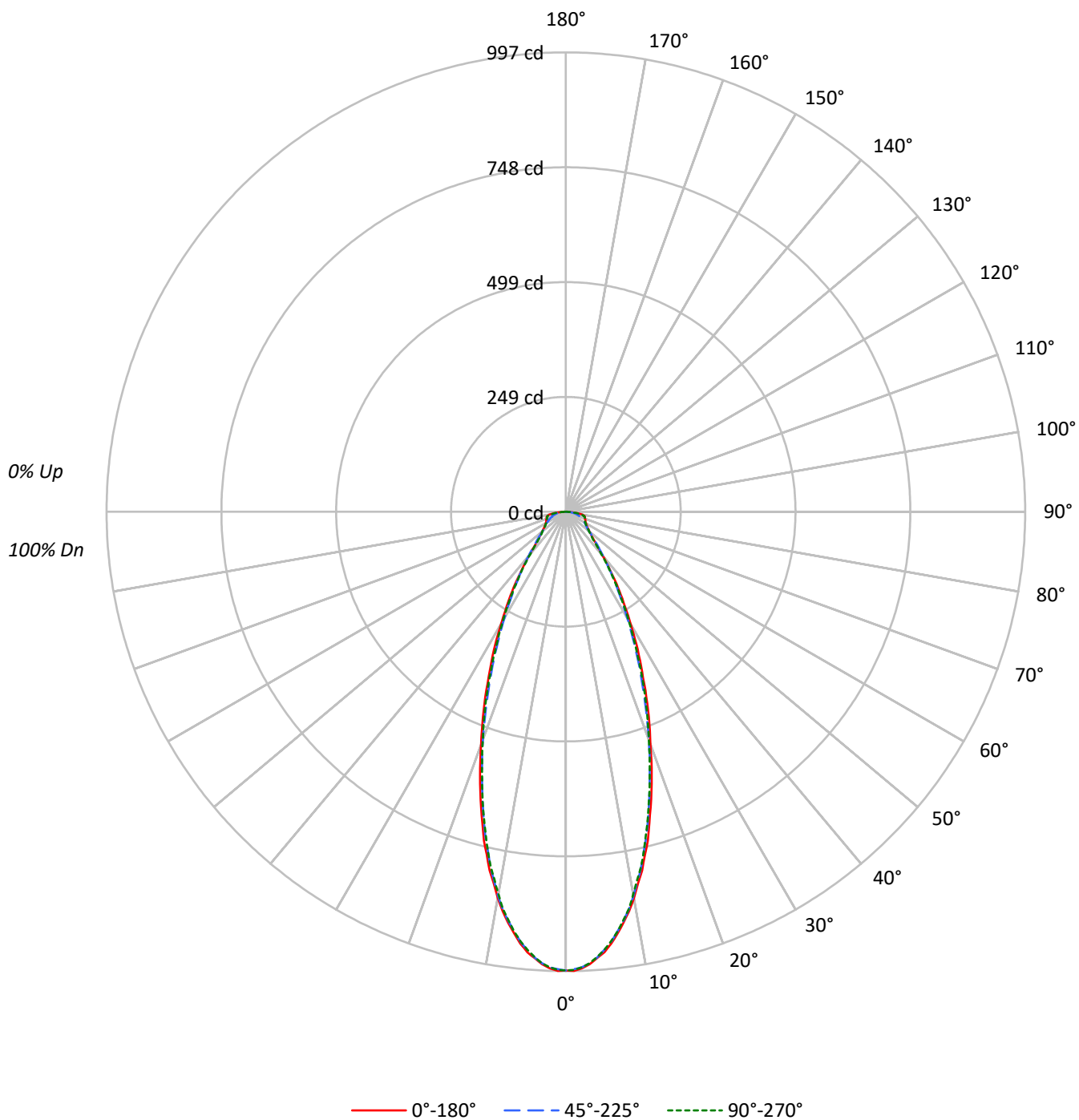
Lumens per Lamp: N/A
Luminaire Lumens: 785.0 lumens
Efficiency: N/A
Efficacy: 37.0 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	59		67	62	58		66
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	171448	171448	171448
5°	165862	165032	165032
10°	148857	148018	147388
15°	124755	122829	122616
20°	98492	96513	96513
25°	75384	72419	73787
30°	55941	53077	54270
35°	40451	38664	38916
40°	27833	28372	27023
45°	20800	21677	19923
50°	18032	17710	17710
55°	16965	16244	16604
60°	17394	16154	16981
65°	19112	16178	18623
70°	22408	16365	21804
75°	28813	17567	28014
80°	35804	19042	33423
85°	28455	18970	26084

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 35804 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.8	11.2
10°-20°	190.9	24.3
20°-30°	177.8	22.7
30°-40°	118.0	15.0
40°-50°	68.7	8.8
50°-60°	50.0	6.4
60°-70°	42.3	5.4
70°-80°	35.0	4.5
80°-90°	14.5	1.9
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°	456.5	58.1
0°-40°	574.5	73.2
0°-60°	693.2	88.3
0°-90°	785.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	785.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	996	996	996	996	996	
5°	959	958	955	955	955	88
15°	700	692	689	688	688	193
25°	397	390	381	382	388	183
35°	192	189	184	185	185	121
45°	85	87	89	84	82	68
55°	56	55	54	55	55	51
65°	47	42	40	42	46	47
75°	43	32	26	32	42	44
85°	14	17	10	16	13	17
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	995.5	995.5	995.5	995.5	995.5
1°	996.7	995.5	993.1	994.3	994.3
2°	991.9	990.7	989.5	989.5	989.5
3°	983.4	982.2	981.0	981.0	981.0
4°	971.4	970.2	970.2	969.0	969.0
5°	959.4	958.2	954.6	954.6	954.6
6°	942.6	941.4	939.0	937.8	937.8
7°	922.1	922.1	918.5	917.3	918.5
8°	900.5	899.3	896.9	895.7	895.7
9°	877.6	874.0	874.0	870.4	872.8
10°	851.2	848.8	846.4	844.0	842.8
11°	821.1	819.9	816.3	813.9	812.7
12°	795.9	789.9	787.5	783.9	786.3
13°	763.4	759.8	753.8	752.6	753.8
14°	735.8	728.6	723.8	721.3	720.1
15°	699.7	692.5	688.9	687.7	687.7
17.5°	619.2	614.3	604.7	604.7	604.7
20°	537.4	532.6	526.6	525.4	526.6
22.5°	466.5	458.1	448.4	449.6	456.9
25°	396.7	389.5	381.1	382.3	388.3
27.5°	337.8	328.2	319.8	322.2	325.8
30°	281.3	275.3	266.9	269.3	272.9
32.5°	233.2	229.6	220.0	222.4	226.0
35°	192.4	188.8	183.9	185.1	185.1
37.5°	153.9	153.9	152.7	151.5	150.3
40°	123.8	126.2	126.2	122.6	120.2
42.5°	101.0	103.4	105.8	101.0	97.4
45°	85.4	86.6	89.0	84.2	81.8
47.5°	74.5	74.5	76.9	73.3	72.1
50°	67.3	67.3	66.1	64.9	66.1
52.5°	61.3	60.1	58.9	60.1	60.1
55°	56.5	55.3	54.1	55.3	55.3
57.5°	52.9	51.7	50.5	50.5	51.7
60°	50.5	48.1	46.9	48.1	49.3
62.5°	48.1	44.5	43.3	44.5	46.9
65°	46.9	42.1	39.7	42.1	45.7
67.5°	45.7	39.7	36.1	39.7	44.5
70°	44.5	37.3	32.5	37.3	43.3
72.5°	43.3	34.9	30.1	34.9	43.3
75°	43.3	32.5	26.4	32.5	42.1
77.5°	40.9	30.1	22.8	30.1	39.7
80°	36.1	27.7	19.2	26.4	33.7
82.5°	26.4	24.0	14.4	22.8	25.2
85°	14.4	16.8	9.6	15.6	13.2
87.5°	2.4	3.6	2.4	7.2	4.8



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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)