

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: P1316106

Luminaire Tested: P3SQAS09R309827DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316106
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: P3SQAS09R309827DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

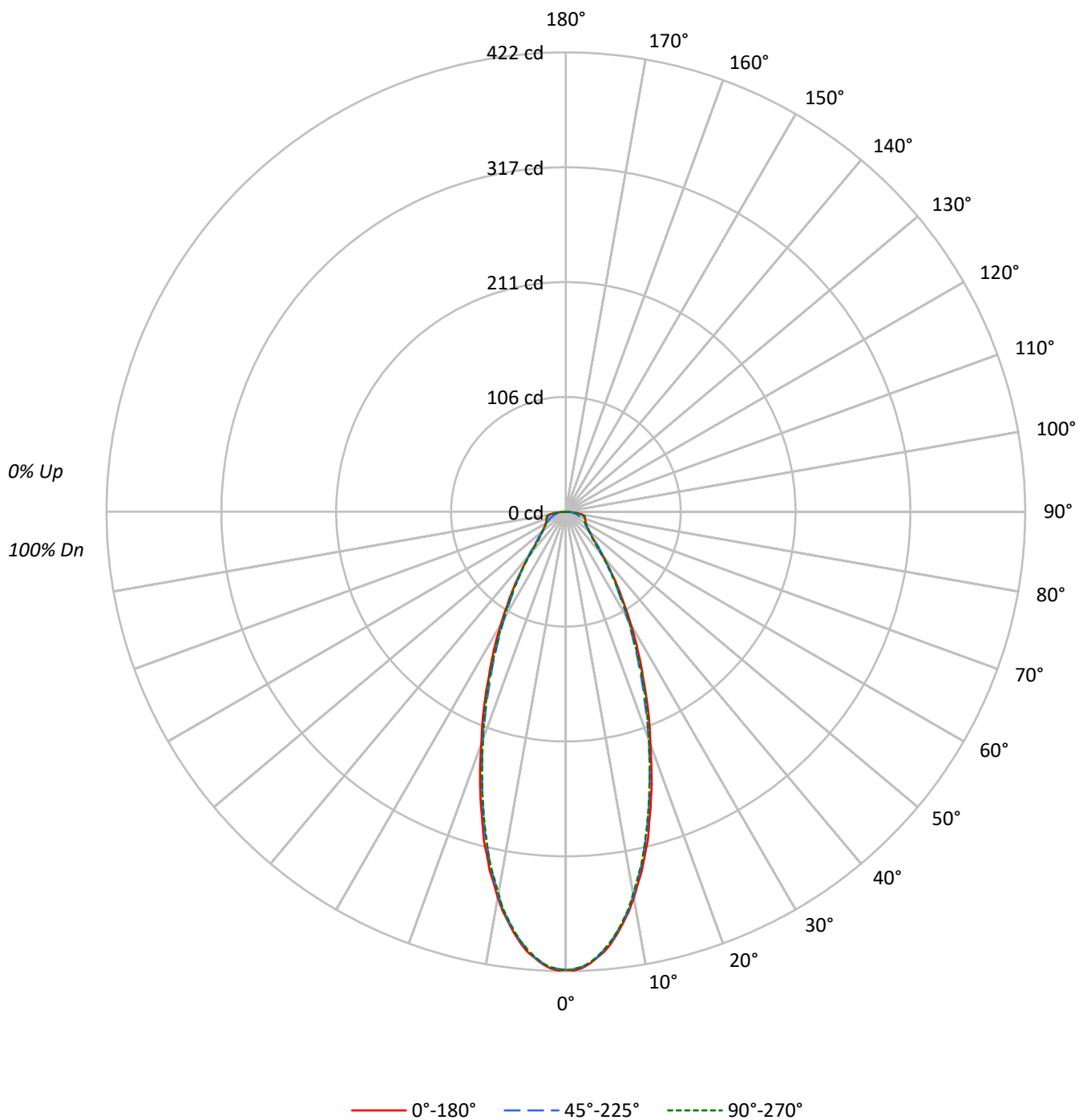
Lumens per Lamp: N/A
Luminaire Lumens: 332.0 lumens
Efficiency: N/A
Efficacy: 30.2 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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°	72506	72506	72506
5°	70155	69792	69792
10°	62957	62607	62327
15°	52758	51956	51849
20°	41659	40815	40815
25°	31886	30632	31202
30°	23665	22452	22949
35°	17114	16357	16462
40°	11781	12005	11421
45°	8793	9158	8427
50°	7636	7502	7502
55°	7176	6876	7026
60°	7371	6820	7164
65°	8069	6846	7865
70°	9467	6899	9215
75°	12177	7453	11844
80°	15174	8034	14083
85°	12054	8102	11066

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 15174 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.1	11.2
10°-20°	80.7	24.3
20°-30°	75.2	22.7
30°-40°	49.9	15.0
40°-50°	29.1	8.8
50°-60°	21.2	6.4
60°-70°	17.9	5.4
70°-80°	14.8	4.5
80°-90°	6.2	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°	193.1	58.2
0°-40°	243.0	73.2
0°-60°	293.2	88.3
0°-90°	332.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	332.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	421	421	421	421	421	
5°	406	405	404	404	404	37
15°	296	293	291	291	291	82
25°	168	165	161	162	164	77
35°	81	80	78	78	78	51
45°	36	37	38	36	35	29
55°	24	23	23	23	23	22
65°	20	18	17	18	19	20
75°	18	14	11	14	18	19
85°	6	7	4	7	6	7
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	421.0	421.0	421.0	421.0	421.0
1°	421.5	421.0	420.0	420.5	420.5
2°	419.5	419.0	418.5	418.5	418.5
3°	415.9	415.4	414.9	414.9	414.9
4°	410.8	410.3	410.3	409.8	409.8
5°	405.8	405.2	403.7	403.7	403.7
6°	398.6	398.1	397.1	396.6	396.6
7°	390.0	390.0	388.5	388.0	388.5
8°	380.8	380.3	379.3	378.8	378.8
9°	371.2	369.7	369.7	368.1	369.1
10°	360.0	359.0	358.0	356.9	356.4
11°	347.3	346.8	345.2	344.2	343.7
12°	336.6	334.1	333.0	331.5	332.5
13°	322.9	321.4	318.8	318.3	318.8
14°	311.2	308.1	306.1	305.1	304.6
15°	295.9	292.9	291.4	290.8	290.8
17.5°	261.9	259.8	255.8	255.8	255.8
20°	227.3	225.3	222.7	222.2	222.7
22.5°	197.3	193.7	189.7	190.2	193.2
25°	167.8	164.7	161.2	161.7	164.2
27.5°	142.9	138.8	135.3	136.3	137.8
30°	119.0	116.4	112.9	113.9	115.4
32.5°	98.6	97.1	93.0	94.1	95.6
35°	81.4	79.8	77.8	78.3	78.3
37.5°	65.1	65.1	64.6	64.1	63.6
40°	52.4	53.4	53.4	51.9	50.8
42.5°	42.7	43.7	44.7	42.7	41.2
45°	36.1	36.6	37.6	35.6	34.6
47.5°	31.5	31.5	32.5	31.0	30.5
50°	28.5	28.5	28.0	27.5	28.0
52.5°	25.9	25.4	24.9	25.4	25.4
55°	23.9	23.4	22.9	23.4	23.4
57.5°	22.4	21.9	21.4	21.4	21.9
60°	21.4	20.3	19.8	20.3	20.8
62.5°	20.3	18.8	18.3	18.8	19.8
65°	19.8	17.8	16.8	17.8	19.3
67.5°	19.3	16.8	15.3	16.8	18.8
70°	18.8	15.8	13.7	15.8	18.3
72.5°	18.3	14.7	12.7	14.7	18.3
75°	18.3	13.7	11.2	13.7	17.8
77.5°	17.3	12.7	9.7	12.7	16.8
80°	15.3	11.7	8.1	11.2	14.2
82.5°	11.2	10.2	6.1	9.7	10.7
85°	6.1	7.1	4.1	6.6	5.6
87.5°	1.0	1.5	1.0	3.1	2.0



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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)