

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: P1316330

Luminaire Tested: P3SQAS13R709827DE010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316330
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R709827DE010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

Summary

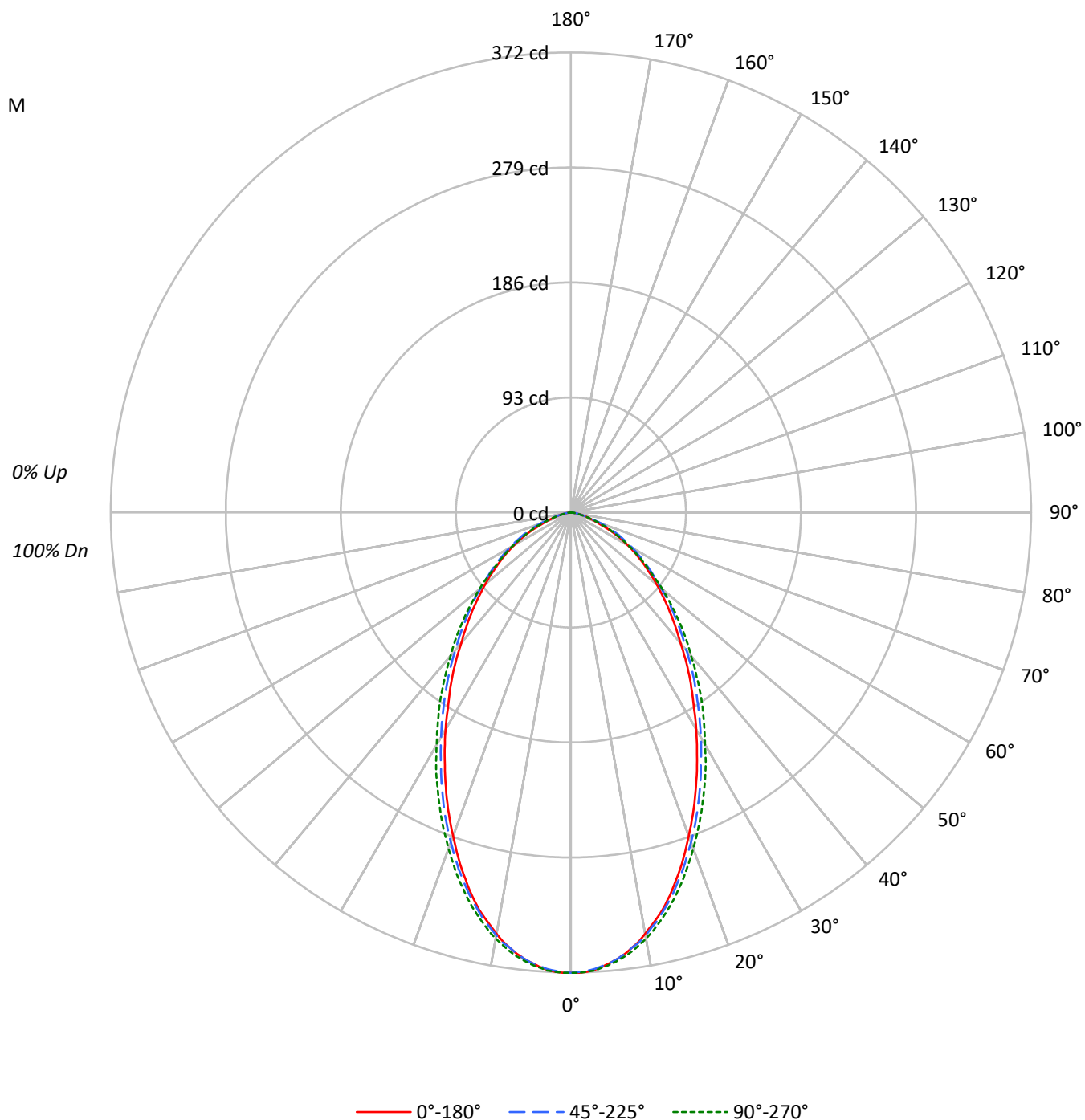
Lumens per Lamp: N/A
Luminaire Lumens: 559.0 lumens
Efficiency: N/A
Efficacy: 38.6 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	98	96		97	95	93		94
2	103	96	91	86	101	95	89	85	91	87	83		88	84	81		85
3	95	87	80	75	93	85	79	74	82	77	73		80	75	71		77
4	89	78	71	65	87	77	70	65	75	69	64		73	67	63		71
5	83	71	64	58	81	70	63	58	68	62	57		67	61	57		65
6	77	65	58	52	75	64	57	52	63	56	51		61	55	51		60
7	72	60	52	47	70	59	52	47	58	51	47		57	51	46		55
8	68	56	48	43	66	55	48	43	54	47	42		53	47	42		51
9	64	52	44	39	62	51	44	39	50	44	39		49	43	39		48
10	60	48	41	36	59	48	41	36	47	40	36		46	40	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	64118	64118	64118
5°	63188	63188	63430
10°	60491	60736	61208
15°	56378	56859	57590
20°	51024	52014	53003
25°	45587	46861	48153
30°	40310	41782	43134
35°	35510	37066	38643
40°	30980	32666	34015
45°	27474	28959	29958
50°	24248	25534	25882
55°	21289	22520	21919
60°	18393	19771	18841
65°	14589	17075	15404
70°	10524	13294	11582
75°	8118	8517	7187
80°	5356	5356	4066
85°	2766	2766	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 29958 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.3	6.1
10°-20°	89.1	15.9
20°-30°	113.2	20.3
30°-40°	110.1	19.7
40°-50°	91.6	16.4
50°-60°	66.0	11.8
60°-70°	38.9	7.0
70°-80°	13.8	2.5
80°-90°	2.0	0.4
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°	236.6	42.3
0°-40°	346.8	62.0
0°-60°	504.4	90.2
0°-90°	559.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	559.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	372	372	372	372	372	
5°	366	365	366	366	367	34
15°	316	316	319	321	323	88
25°	240	243	247	251	253	110
35°	169	171	176	181	184	106
45°	113	115	119	122	123	87
55°	71	73	75	74	73	64
65°	36	38	42	40	38	36
75°	12	13	13	12	11	13
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	372.3	372.3	372.3	372.3	372.3
1°	372.3	371.6	371.6	371.6	372.3
2°	371.6	370.9	370.9	370.9	371.6
3°	370.3	369.6	369.6	369.6	370.9
4°	368.2	366.9	367.6	367.6	368.9
5°	365.5	364.9	365.5	365.5	366.9
6°	362.8	362.2	362.8	362.8	364.2
7°	359.5	358.8	359.5	360.1	361.5
8°	355.4	354.7	355.4	356.1	358.1
9°	351.3	350.7	352.0	352.7	354.0
10°	345.9	345.9	347.3	348.0	350.0
11°	340.5	340.5	341.9	343.2	345.3
12°	335.1	335.1	337.2	338.5	339.9
13°	329.7	329.0	331.1	332.4	334.5
14°	323.0	322.3	325.0	327.0	329.0
15°	316.2	316.2	318.9	320.9	323.0
17.5°	298.0	298.6	302.0	304.7	306.7
20°	278.4	280.4	283.8	287.2	289.2
22.5°	259.5	260.8	265.5	269.6	271.6
25°	239.9	242.6	246.6	251.3	253.4
27.5°	220.9	223.6	227.7	232.4	235.8
30°	202.7	204.7	210.1	214.9	216.9
32.5°	184.5	187.2	192.6	197.3	200.0
35°	168.9	170.9	176.3	181.1	183.8
37.5°	153.4	155.4	160.8	164.9	166.9
40°	137.8	141.2	145.3	149.3	151.3
42.5°	125.0	127.7	131.8	135.1	137.2
45°	112.8	114.9	118.9	121.6	123.0
47.5°	101.3	103.4	107.4	108.8	109.5
50°	90.5	92.6	95.3	95.9	96.6
52.5°	80.4	81.8	84.5	84.5	83.8
55°	70.9	73.0	75.0	74.3	73.0
57.5°	62.2	62.8	66.2	64.9	63.5
60°	53.4	54.7	57.4	56.1	54.7
62.5°	44.6	45.9	49.3	48.0	45.9
65°	35.8	38.5	41.9	39.9	37.8
67.5°	27.0	30.4	33.8	31.8	30.4
70°	20.9	23.6	26.4	24.3	23.0
72.5°	16.2	17.6	18.9	17.6	16.2
75°	12.2	12.8	12.8	11.5	10.8
77.5°	8.8	9.5	8.1	6.8	6.8
80°	5.4	6.1	5.4	4.1	4.1
82.5°	2.7	3.4	2.7	2.7	2.7
85°	1.4	1.4	1.4	1.4	1.4
87.5°	0.7	0.7	0.7	0.7	0.7



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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)