

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: P1312527

Luminaire Tested: P3SQAS13R709727DE010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312527
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: P3SQAS13R709727DE010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

Summary

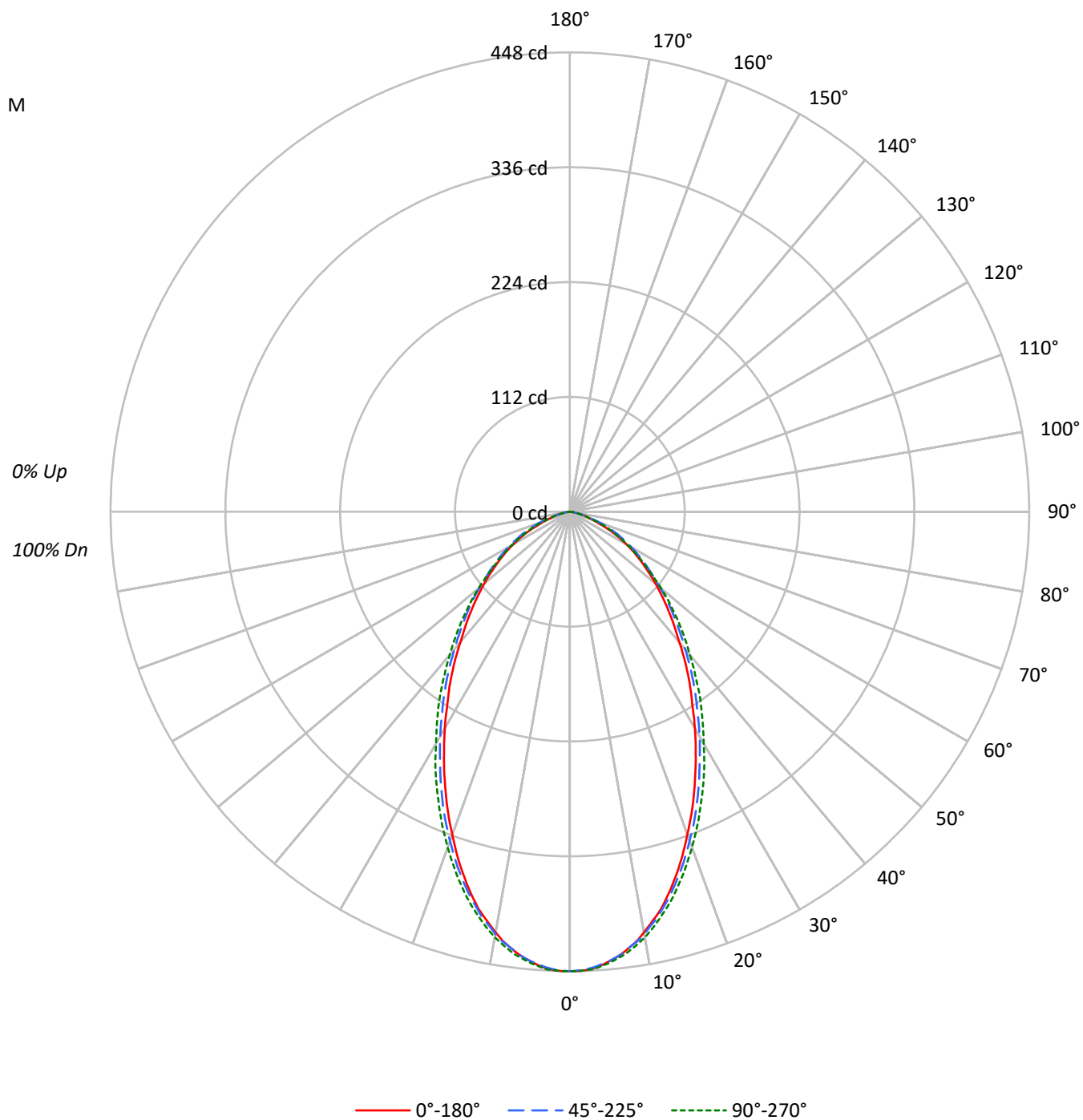
Lumens per Lamp: N/A
Luminaire Lumens: 673.0 lumens
Efficiency: N/A
Efficacy: 46.1 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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°	77190	77190	77190
5°	76085	76085	76361
10°	72837	73117	73694
15°	67878	68449	69322
20°	61416	62607	63817
25°	54880	56419	57958
30°	48523	50313	51924
35°	42764	44635	46527
40°	37298	39321	40962
45°	33075	34878	36047
50°	29204	30732	31160
55°	25642	27114	26393
60°	22148	23801	22699
65°	17564	20539	18583
70°	12689	15962	13948
75°	9715	10314	8650
80°	6447	6447	4860
85°	3162	3162	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 36047 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.3	6.1
10°-20°	107.3	15.9
20°-30°	136.3	20.3
30°-40°	132.6	19.7
40°-50°	110.2	16.4
50°-60°	79.5	11.8
60°-70°	46.8	7.0
70°-80°	16.6	2.5
80°-90°	2.4	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°	284.9	42.3
0°-40°	417.5	62.0
0°-60°	607.2	90.2
0°-90°	673.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	673.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	448	448	448	448	448	
5°	440	439	440	440	442	41
15°	381	381	384	386	389	106
25°	289	292	297	303	305	133
35°	203	206	212	218	221	127
45°	136	138	143	146	148	105
55°	85	88	90	90	88	77
65°	43	46	50	48	46	43
75°	15	16	16	14	13	16
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	448.2	448.2	448.2	448.2	448.2
1°	448.2	447.4	447.4	447.4	448.2
2°	447.4	446.6	446.6	446.6	447.4
3°	445.8	445.0	445.0	445.0	446.6
4°	443.3	441.7	442.5	442.5	444.1
5°	440.1	439.3	440.1	440.1	441.7
6°	436.8	436.0	436.8	436.8	438.4
7°	432.8	431.9	432.8	433.6	435.2
8°	427.9	427.1	427.9	428.7	431.1
9°	423.0	422.2	423.8	424.6	426.2
10°	416.5	416.5	418.1	418.9	421.4
11°	410.0	410.0	411.6	413.2	415.7
12°	403.5	403.5	405.9	407.5	409.2
13°	397.0	396.1	398.6	400.2	402.7
14°	388.8	388.0	391.3	393.7	396.1
15°	380.7	380.7	383.9	386.4	388.8
17.5°	358.7	359.5	363.6	366.9	369.3
20°	335.1	337.6	341.6	345.7	348.2
22.5°	312.4	314.0	319.7	324.6	327.0
25°	288.8	292.0	296.9	302.6	305.0
27.5°	266.0	269.3	274.1	279.8	283.9
30°	244.0	246.5	253.0	258.7	261.1
32.5°	222.1	225.3	231.8	237.5	240.8
35°	203.4	205.8	212.3	218.0	221.3
37.5°	184.7	187.1	193.6	198.5	200.9
40°	165.9	170.0	174.9	179.8	182.2
42.5°	150.5	153.7	158.6	162.7	165.1
45°	135.8	138.3	143.2	146.4	148.0
47.5°	122.0	124.5	129.3	131.0	131.8
50°	109.0	111.4	114.7	115.5	116.3
52.5°	96.8	98.4	101.7	101.7	100.9
55°	85.4	87.9	90.3	89.5	87.9
57.5°	74.8	75.7	79.7	78.1	76.5
60°	64.3	65.9	69.1	67.5	65.9
62.5°	53.7	55.3	59.4	57.8	55.3
65°	43.1	46.4	50.4	48.0	45.6
67.5°	32.5	36.6	40.7	38.2	36.6
70°	25.2	28.5	31.7	29.3	27.7
72.5°	19.5	21.1	22.8	21.1	19.5
75°	14.6	15.5	15.5	13.8	13.0
77.5°	10.6	11.4	9.8	8.1	8.1
80°	6.5	7.3	6.5	4.9	4.9
82.5°	3.3	4.1	3.3	3.3	3.3
85°	1.6	1.6	1.6	1.6	1.6
87.5°	0.8	0.8	0.8	0.8	0.8



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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)