

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: P1318079

Luminaire Tested: P3SQAS13R709835DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318079
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R709835DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

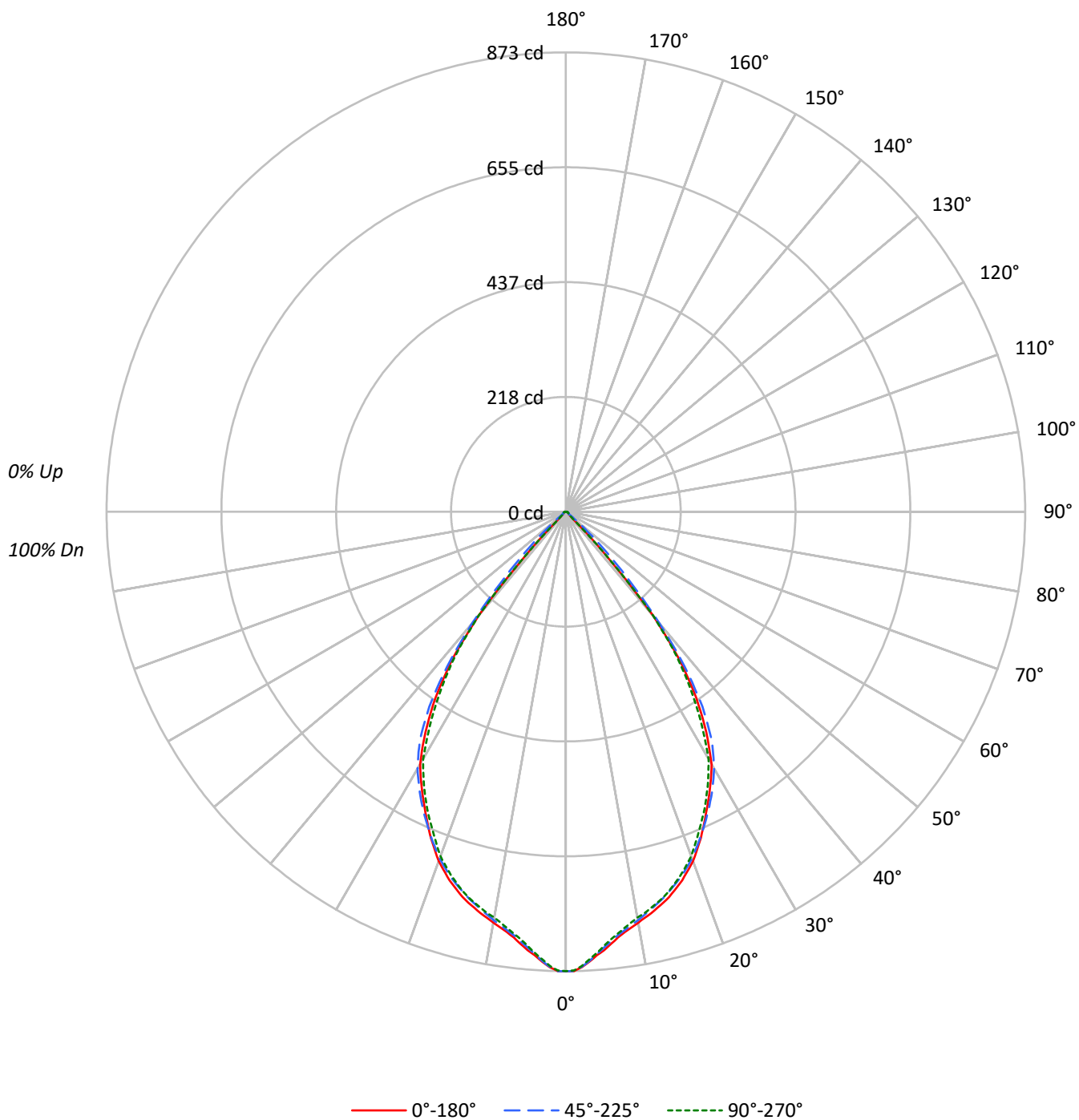
Lumens per Lamp: N/A
Luminaire Lumens: 931.0 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	95	89	85	99	93	88	84	90	86	83		88	85	82		86
4	96	88	82	77	94	87	81	77	84	80	76		82	78	75		81
5	91	82	75	71	89	81	75	71	79	74	70		77	73	69		76
6	86	76	70	65	84	75	69	65	74	69	65		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	62	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	48	68	58	52	48	57	52	48		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	150368	150368	150368
5°	144545	143750	143231
10°	138662	137875	136948
15°	135168	133688	133563
20°	129521	128549	127725
25°	119907	120781	118482
30°	110152	112101	107885
35°	90826	95136	87336
40°	57846	62253	57846
45°	4043	26913	4433
50°	1822	5466	1822
55°	2042	2042	2042
60°	2101	2101	2101
65°	1834	2160	1834
70°	1913	2266	1913
75°	1996	1996	1996
80°	2281	2281	2281
85°	1581	2964	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 26913 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.9	8.4
10°-20°	210.9	22.7
20°-30°	289.9	31.1
30°-40°	265.6	28.5
40°-50°	70.5	7.6
50°-60°	6.3	0.7
60°-70°	5.1	0.6
70°-80°	3.4	0.4
80°-90°	1.3	0.1
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°	578.8	62.2
0°-40°	844.4	90.7
0°-60°	921.2	98.9
0°-90°	931.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	931.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	873	873	873	873	873	
5°	836	832	832	830	828	78
15°	758	751	750	750	749	213
25°	631	633	636	628	624	290
35°	432	439	452	432	415	262
45°	17	57	110	58	18	50
55°	7	7	7	7	7	6
65°	4	5	5	5	4	5
75°	3	3	3	3	3	3
85°	1	2	2	2	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	873.1	873.1	873.1	873.1	873.1
1°	873.1	871.6	873.1	873.1	871.6
2°	866.3	864.8	865.6	864.8	864.1
3°	856.5	854.2	855.0	853.5	852.0
4°	845.2	842.9	842.9	842.1	840.6
5°	836.1	832.3	831.5	830.0	828.5
6°	825.5	821.7	820.9	818.7	817.2
7°	814.9	811.9	811.1	808.1	808.1
8°	806.6	802.8	802.8	799.0	799.0
9°	799.8	795.2	795.2	792.2	790.7
10°	792.9	788.4	788.4	784.6	783.1
11°	786.1	782.4	780.8	778.6	777.8
12°	780.1	774.8	773.3	772.5	771.0
13°	772.5	767.2	765.7	764.9	764.2
14°	765.7	758.9	758.1	756.6	757.4
15°	758.1	751.3	749.8	749.8	749.1
17.5°	734.7	730.1	727.9	726.4	724.8
20°	706.7	702.9	701.4	698.4	696.9
22.5°	670.4	669.6	668.9	665.1	659.0
25°	631.0	633.3	635.6	628.0	623.5
27.5°	593.2	599.2	601.5	594.0	584.1
30°	553.9	559.1	563.7	553.1	542.5
32.5°	497.1	510.0	516.8	504.7	480.5
35°	432.0	438.8	452.5	432.0	415.4
37.5°	356.4	360.2	370.7	357.1	345.8
40°	257.3	268.6	276.9	268.6	257.3
42.5°	115.8	161.9	183.1	171.0	121.1
45°	16.6	56.7	110.5	57.5	18.2
47.5°	6.8	9.1	57.5	8.3	6.8
50°	6.8	6.8	20.4	6.8	6.8
52.5°	6.8	6.8	7.6	6.8	6.8
55°	6.8	6.8	6.8	6.8	6.8
57.5°	6.1	6.1	6.8	6.1	6.1
60°	6.1	6.1	6.1	6.1	6.1
62.5°	5.3	6.1	6.1	6.1	5.3
65°	4.5	5.3	5.3	5.3	4.5
67.5°	4.5	4.5	4.5	4.5	4.5
70°	3.8	4.5	4.5	4.5	3.8
72.5°	3.8	3.8	3.8	3.8	3.8
75°	3.0	3.0	3.0	3.0	3.0
77.5°	2.3	3.0	3.0	3.0	2.3
80°	2.3	2.3	2.3	2.3	2.3
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.8	1.5	1.5	1.5	0.8
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)