

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: P1311859

Luminaire Tested: P3SQAS24R709050D010 E3SQCLSWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311859
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R709050D010 E3SQCLSWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3SQCLSWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

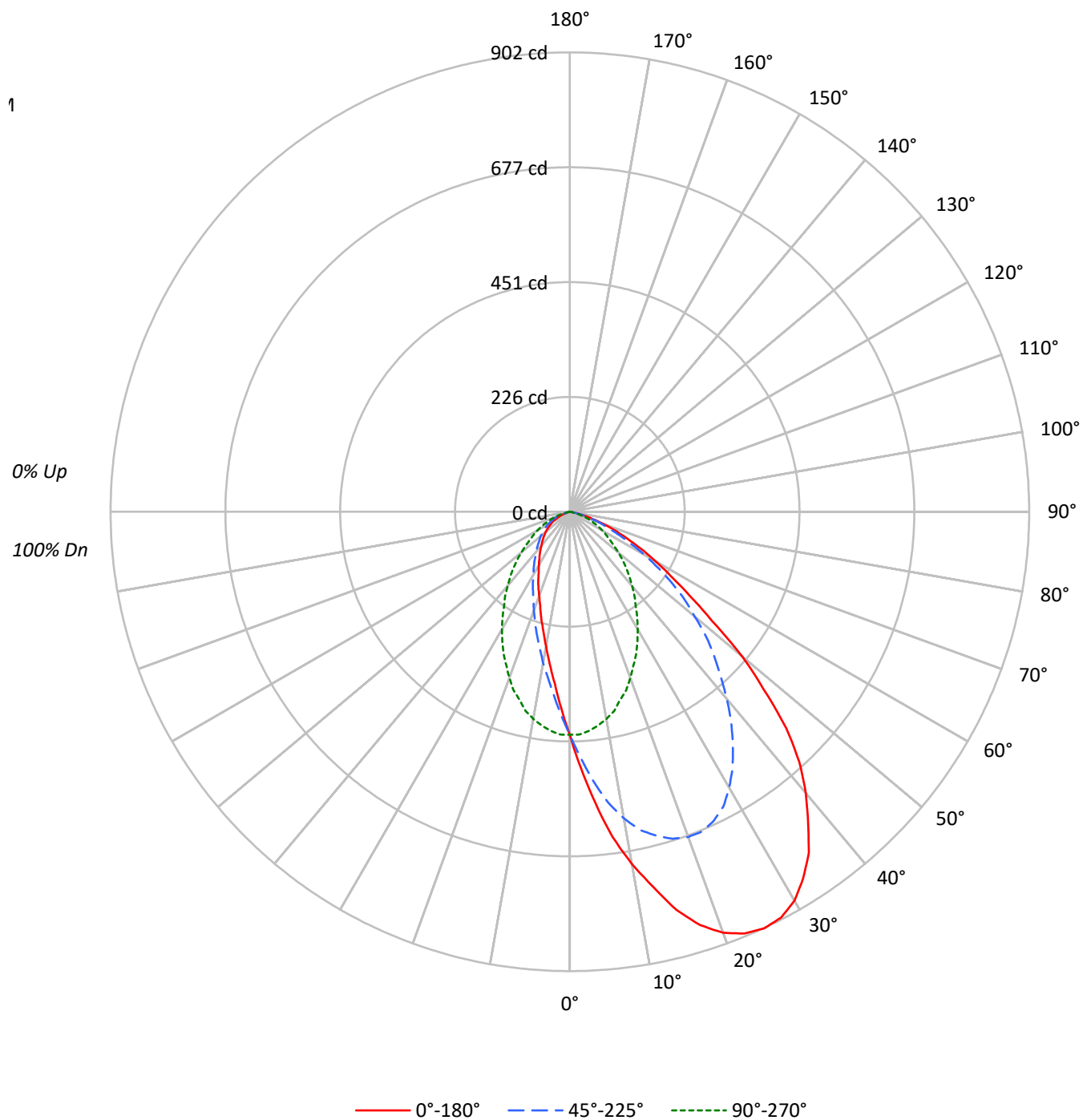
Lumens per Lamp: N/A
Luminaire Lumens: 982.0 lumens
Efficiency: N/A
Efficacy: 34.1 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89		
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77		
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67		
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59		
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52		
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46		
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42		
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38		
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34		
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	75399	75399	75399	75399	75399
5°	99251	91748	74615	62479	58555
10°	122783	106904	72225	52726	46955
15°	144332	117463	68110	44557	38655
20°	161227	124517	63578	37846	32165
25°	171499	127147	58471	32571	27858
30°	175360	124430	52978	28338	24222
35°	171938	117233	47326	25608	21718
40°	162028	107712	42716	23224	19492
45°	146379	97570	38239	21117	18096
50°	118399	85765	33197	19907	16612
55°	86205	73804	28525	18616	14893
60°	66857	58315	25592	17084	13502
65°	50491	42096	21028	15160	10106
70°	35349	30162	15610	11430	6244
75°	20628	17833	8251	5523	1397
80°	4066	6149	2083	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 146379 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.8	4.4
10°-20°	127.7	13.0
20°-30°	192.4	19.6
30°-40°	213.8	21.8
40°-50°	189.5	19.3
50°-60°	128.7	13.1
60°-70°	67.5	6.9
70°-80°	19.1	2.0
80°-90°	0.6	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°	362.8	36.9
0°-40°	576.6	58.7
0°-60°	894.8	91.1
0°-90°	982.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	982.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	438	438	438	438	438	
5°	574	531	432	361	339	59
15°	810	659	382	250	217	230
25°	902	669	308	171	147	414
35°	818	558	225	122	103	507
45°	601	401	157	87	74	455
55°	287	246	95	62	50	265
65°	124	103	52	37	25	125
75°	31	27	12	8	2	34
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	437.8	437.8	437.8	437.8	437.8	437.8	437.8	437.8	437.8	437.8	437.8
2.5°	503.9	501.8	499.8	499.8	497.7	495.6	491.5	491.5	487.4	483.2	479.1
5°	574.1	574.1	574.1	567.9	567.9	559.7	555.5	547.3	539.0	530.7	520.4
7.5°	644.3	644.3	638.1	636.1	629.9	621.6	615.4	603.0	588.6	576.2	559.7
10°	702.1	702.1	695.9	691.8	679.4	671.2	658.8	644.3	629.9	611.3	590.6
12.5°	753.8	755.8	747.6	739.3	726.9	714.5	698.0	679.4	660.8	640.2	613.3
15°	809.5	807.5	797.1	786.8	772.4	753.8	733.1	708.3	683.6	658.8	629.9
17.5°	850.8	848.8	838.4	826.1	807.5	784.8	762.0	733.1	704.2	673.2	638.1
20°	879.7	877.7	867.4	850.8	832.2	807.5	780.6	747.6	716.6	679.4	640.2
22.5°	896.3	894.2	881.8	867.4	844.6	817.8	788.9	753.8	718.7	679.4	636.1
25°	902.5	898.3	885.9	869.4	846.7	817.8	784.8	747.6	710.4	669.1	623.7
27.5°	898.3	894.2	879.7	861.2	836.4	803.3	770.3	733.1	693.9	652.6	605.1
30°	881.8	875.6	863.2	844.6	817.8	784.8	749.6	710.4	669.1	625.7	578.2
32.5°	852.9	848.8	836.4	815.7	788.9	755.8	720.7	679.4	638.1	594.8	547.3
35°	817.8	809.5	797.1	778.6	751.7	718.7	683.6	640.2	601.0	557.6	512.2
37.5°	768.2	766.2	751.7	737.3	710.4	675.3	642.3	601.0	561.7	520.4	475.0
40°	720.7	716.6	704.2	687.7	660.8	629.9	594.8	557.6	518.3	479.1	437.8
42.5°	667.0	660.8	652.6	636.1	611.3	580.3	547.3	510.1	475.0	437.8	400.6
45°	601.0	598.9	588.6	580.3	557.6	530.7	497.7	464.7	429.5	400.6	371.7
47.5°	516.3	514.2	512.2	506.0	493.6	475.0	450.2	419.2	392.4	363.5	324.2
50°	441.9	439.9	435.7	433.7	423.4	413.0	394.4	375.9	353.1	320.1	289.1
52.5°	351.1	353.1	359.3	361.4	359.3	351.1	342.8	336.6	305.6	285.0	256.1
55°	287.1	287.1	285.0	287.1	289.1	293.2	293.2	285.0	264.3	245.8	221.0
57.5°	235.4	235.4	235.4	235.4	235.4	237.5	237.5	235.4	225.1	206.5	183.8
60°	194.1	192.1	192.1	194.1	192.1	192.1	194.1	194.1	183.8	169.3	148.7
62.5°	157.0	157.0	157.0	154.9	154.9	157.0	157.0	154.9	146.6	132.2	117.7
65°	123.9	123.9	123.9	123.9	123.9	126.0	123.9	121.8	113.6	103.3	92.9
67.5°	95.0	95.0	97.1	95.0	97.1	97.1	97.1	92.9	86.7	78.5	72.3
70°	70.2	70.2	70.2	72.3	74.3	74.3	72.3	68.1	64.0	59.9	53.7
72.5°	47.5	49.6	49.6	49.6	51.6	51.6	49.6	47.5	45.4	41.3	39.2
75°	31.0	28.9	31.0	31.0	33.0	33.0	31.0	31.0	28.9	26.8	24.8
77.5°	14.5	14.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	14.5	14.5
80°	4.1	4.1	4.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
82.5°	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	437.8	437.8	437.8	437.8	437.8	437.8	437.8	437.8
2.5°	475.0	468.8	460.5	437.8	417.2	398.6	388.2	386.2
5°	508.0	499.8	479.1	431.6	392.4	361.4	342.8	338.7
7.5°	543.1	526.6	497.7	423.4	367.6	328.4	307.7	301.5
10°	570.0	549.3	510.1	413.0	342.8	301.5	276.7	268.5
12.5°	588.6	563.8	520.4	400.6	322.2	272.6	247.8	239.6
15°	598.9	572.0	522.5	382.0	297.4	249.9	223.0	216.8
17.5°	603.0	572.0	518.3	367.6	274.7	227.2	202.4	194.1
20°	601.0	563.8	508.0	346.9	254.0	206.5	181.7	175.5
22.5°	592.7	551.4	491.5	326.3	233.4	185.9	165.2	161.1
25°	580.3	534.9	472.9	307.7	214.8	171.4	150.8	146.6
27.5°	559.7	514.2	448.1	287.1	198.3	157.0	138.4	132.2
30°	532.8	489.4	423.4	266.4	181.7	142.5	126.0	121.8
32.5°	503.9	460.5	398.6	245.8	167.3	132.2	115.6	111.5
35°	470.9	429.5	367.6	225.1	152.8	121.8	105.3	103.3
37.5°	437.8	396.5	340.7	208.6	140.4	111.5	97.1	95.0
40°	400.6	367.6	326.3	190.0	130.1	103.3	90.9	86.7
42.5°	377.9	332.5	280.9	173.5	119.8	95.0	82.6	80.5
45°	328.4	295.3	254.0	157.0	109.5	86.7	76.4	74.3
47.5°	295.3	266.4	227.2	140.4	101.2	80.5	70.2	68.1
50°	262.3	235.4	198.3	123.9	92.9	74.3	64.0	62.0
52.5°	229.2	202.4	169.3	109.5	82.6	68.1	57.8	55.8
55°	196.2	171.4	140.4	95.0	74.3	62.0	53.7	49.6
57.5°	161.1	140.4	119.8	84.7	66.1	55.8	47.5	43.4
60°	130.1	117.7	101.2	74.3	57.8	49.6	41.3	39.2
62.5°	105.3	95.0	84.7	64.0	51.6	43.4	37.2	31.0
65°	84.7	78.5	70.2	51.6	43.4	37.2	31.0	24.8
67.5°	66.1	62.0	55.8	43.4	35.1	31.0	22.7	18.6
70°	51.6	47.5	43.4	31.0	26.8	22.7	16.5	12.4
72.5°	37.2	33.0	31.0	22.7	18.6	16.5	10.3	6.2
75°	22.7	22.7	18.6	12.4	10.3	8.3	4.1	2.1
77.5°	12.4	12.4	10.3	6.2	6.2	2.1	0.0	0.0
80°	6.2	4.1	4.1	2.1	2.1	0.0	0.0	0.0
82.5°	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)