

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: P1309049

Luminaire Tested: P3SQAS09R709035DE010 E3SQCLSWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309049
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R709035DE010 E3SQCLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3SQCLSWW1MW TRIAC
Light Source: -
Ballast/Driver: -

Summary

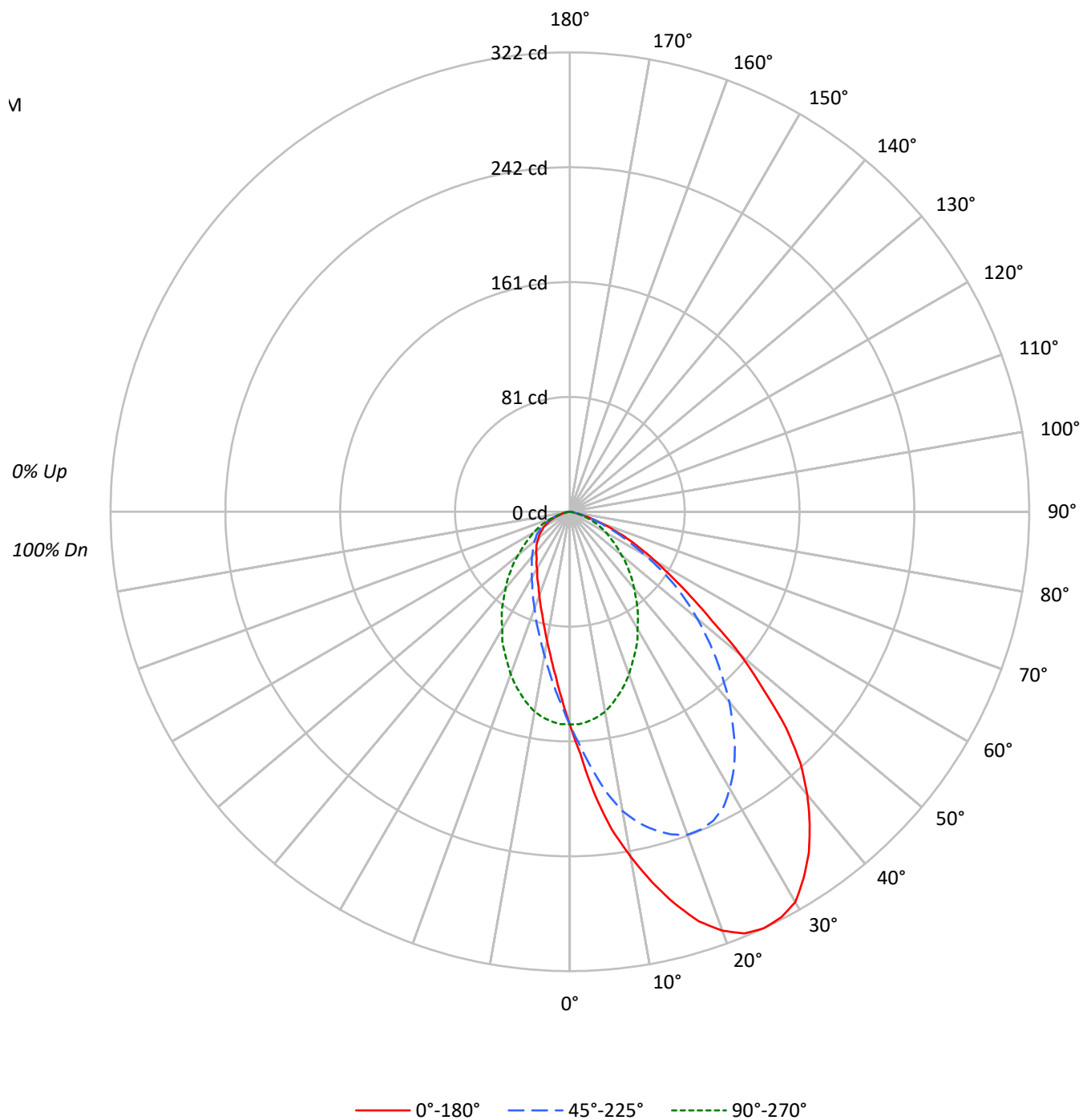
Lumens per Lamp: N/A
Luminaire Lumens: 364.0 lumens
Efficiency: N/A
Efficacy: 32.8 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88		
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76		
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	66		
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	58		
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51		
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45		
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40		
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36		
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	33		
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	25661	25661	25661	25661	25661
5°	34351	31361	25500	21333	19916
10°	42915	37249	24885	17908	16054
15°	50726	41205	23624	15298	13283
20°	57255	44151	22213	13251	11455
25°	61208	45340	20599	11725	10147
30°	62861	44606	18852	10619	9128
35°	61392	42406	17408	9818	8536
40°	58206	39096	15737	9308	8296
45°	52244	35194	14297	8987	8062
50°	41958	31268	12700	8681	7663
55°	30957	26903	11290	8587	7446
60°	23836	21011	10127	8301	7268
65°	18094	15649	8884	7661	6439
70°	12135	10977	6798	6798	5287
75°	6521	6521	4525	4525	3993
80°	1488	2975	2281	2975	3769
85°	0	1581	1581	2964	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 52244 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.7	4.0
10°-20°	44.7	12.3
20°-30°	68.9	18.9
30°-40°	78.1	21.5
40°-50°	70.7	19.4
50°-60°	49.4	13.6
60°-70°	27.2	7.5
70°-80°	9.1	2.5
80°-90°	1.2	0.3
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°	128.2	35.2
0°-40°	206.4	56.7
0°-60°	326.5	89.7
0°-90°	364.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	364.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	149	149	149	149	149	
5°	199	181	148	123	115	20
15°	284	231	132	86	74	81
25°	322	239	108	62	53	148
35°	292	202	83	47	41	182
45°	214	144	59	37	33	163
55°	103	90	38	29	25	95
65°	44	38	22	19	16	44
75°	10	10	7	7	6	11
85°	0	1	1	2	2	0
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°	149.0	149.0	149.0	149.0	149.0	149.0	149.0	149.0	149.0	149.0	149.0
2.5°	170.1	171.6	172.4	170.9	170.1	169.4	167.8	167.1	165.6	164.1	163.3
5°	198.7	198.7	198.7	197.2	194.9	193.4	190.4	188.2	184.4	181.4	178.4
7.5°	224.3	224.3	223.5	221.3	219.8	216.0	212.3	209.2	203.2	198.7	192.7
10°	245.4	245.4	244.6	240.9	238.6	234.1	230.3	225.1	219.0	213.0	206.2
12.5°	265.7	265.7	262.7	259.7	255.2	249.1	243.9	238.6	230.3	223.5	215.3
15°	284.5	284.5	283.0	277.7	271.7	264.9	257.4	249.9	240.1	231.1	222.0
17.5°	301.1	300.3	298.1	292.0	286.0	277.7	268.7	259.7	247.6	237.1	225.8
20°	312.4	312.4	309.4	302.6	295.8	286.8	277.0	266.5	253.7	240.9	227.3
22.5°	319.9	319.1	316.1	309.4	301.1	292.0	280.8	269.5	255.2	240.9	226.6
25°	322.1	321.4	318.4	310.9	302.6	292.8	280.8	268.7	253.7	238.6	222.8
27.5°	320.6	319.9	316.9	308.6	300.3	289.0	277.0	264.2	249.1	233.3	217.5
30°	316.1	313.9	310.9	303.3	294.3	283.0	270.2	255.9	240.9	224.3	208.5
32.5°	304.8	304.8	301.1	293.5	284.5	272.5	259.7	246.1	229.6	213.8	197.2
35°	292.0	291.3	288.3	280.0	271.7	260.4	247.6	233.3	217.5	201.7	185.9
37.5°	276.2	275.5	272.5	264.9	255.9	245.4	231.8	218.3	203.2	187.4	173.1
40°	258.9	257.4	253.7	247.6	240.1	228.1	216.0	202.5	188.2	173.9	159.6
42.5°	239.4	237.8	234.8	230.3	221.3	210.8	199.5	186.7	173.1	158.8	148.3
45°	214.5	214.5	213.0	208.5	201.7	193.4	181.4	170.1	157.3	144.5	133.2
47.5°	183.7	185.2	184.4	182.1	179.1	171.6	163.3	153.5	141.5	130.2	119.7
50°	156.6	157.3	158.1	156.6	154.3	149.0	143.8	137.7	127.2	116.7	106.9
52.5°	125.7	128.0	128.0	128.7	128.7	127.2	125.7	118.9	113.7	103.1	94.1
55°	103.1	103.1	103.1	104.6	105.4	106.1	104.6	103.1	97.1	89.6	81.3
57.5°	84.3	84.3	85.8	85.1	85.1	86.6	86.6	85.8	82.0	75.3	67.7
60°	69.2	69.2	69.2	69.2	70.0	70.0	70.0	70.0	67.0	61.0	54.9
62.5°	55.7	55.7	55.7	56.5	56.5	56.5	57.2	56.5	53.4	48.9	43.7
65°	44.4	43.7	44.4	44.4	45.2	45.2	45.2	44.4	41.4	38.4	34.6
67.5°	33.1	33.9	33.9	33.9	34.6	35.4	34.6	33.9	31.6	28.6	27.1
70°	24.1	24.8	24.8	24.8	25.6	26.3	25.6	24.8	23.3	21.8	20.3
72.5°	15.8	16.6	16.6	17.3	18.1	18.1	17.3	17.3	16.6	15.1	14.3
75°	9.8	9.8	10.5	10.5	11.3	11.3	11.3	10.5	10.5	9.8	9.8
77.5°	4.5	4.5	5.3	5.3	5.3	6.0	6.0	6.0	6.0	6.0	5.3
80°	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3	3.0	3.0	3.0
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
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°	149.0	149.0	149.0	149.0	149.0	149.0	149.0	149.0
2.5°	161.8	159.6	156.6	149.0	141.5	135.5	131.7	131.0
5°	174.6	170.9	164.1	147.5	134.0	123.4	117.4	115.2
7.5°	187.4	180.6	170.9	145.3	124.9	112.2	105.4	102.4
10°	198.0	189.7	176.9	142.3	117.4	102.4	94.1	91.8
12.5°	206.2	196.5	180.6	137.7	109.9	93.3	85.1	82.8
15°	211.5	201.0	182.9	132.5	102.4	85.8	77.5	74.5
17.5°	213.8	201.0	182.1	127.2	95.6	79.0	70.8	68.5
20°	213.8	199.5	179.9	121.2	88.8	72.3	64.7	62.5
22.5°	211.5	196.5	174.6	114.4	82.8	67.0	59.5	57.2
25°	207.0	190.4	168.6	108.4	76.8	61.7	54.9	53.4
27.5°	200.2	183.7	161.1	102.4	71.5	57.2	51.2	49.7
30°	191.9	175.4	152.8	94.8	66.2	53.4	48.2	45.9
32.5°	181.4	165.6	143.8	88.8	61.7	49.7	45.2	43.7
35°	170.1	155.8	134.0	82.8	57.2	46.7	42.2	40.6
37.5°	158.8	143.8	125.7	76.0	53.4	43.7	39.9	38.4
40°	146.8	135.5	116.7	70.0	50.4	41.4	37.6	36.9
42.5°	134.7	122.7	103.9	64.7	46.7	38.4	35.4	34.6
45°	120.4	109.1	94.1	58.7	43.7	36.9	33.9	33.1
47.5°	108.4	97.8	84.3	53.4	40.6	34.6	31.6	30.9
50°	97.1	86.6	73.8	47.4	37.6	32.4	30.1	28.6
52.5°	84.3	75.3	64.0	42.2	34.6	30.1	27.8	27.1
55°	73.0	64.0	53.4	37.6	31.6	28.6	25.6	24.8
57.5°	60.2	52.7	45.2	33.1	28.6	25.6	24.1	22.6
60°	48.9	43.7	38.4	29.4	25.6	24.1	21.8	21.1
62.5°	39.9	36.1	32.4	25.6	22.6	21.1	19.6	18.1
65°	31.6	29.4	26.3	21.8	19.6	18.8	17.3	15.8
67.5°	24.8	23.3	21.1	17.3	16.6	15.8	14.3	12.8
70°	18.8	18.1	16.6	13.5	12.8	13.5	12.0	10.5
72.5°	13.5	12.8	12.0	9.8	9.8	9.8	9.0	7.5
75°	9.0	8.3	7.5	6.8	6.8	6.8	6.8	6.0
77.5°	5.3	5.3	4.5	3.8	4.5	4.5	5.3	5.3
80°	2.3	2.3	2.3	2.3	3.0	3.0	3.8	3.8
82.5°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3
85°	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)