

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: P1306656

Luminaire Tested: P3SQAS05R709027DE010 E3SQCLSWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306656
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: P3SQAS05R709027DE010 E3SQCLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3SQCLSWW1MW TRIAC
Light Source: -
Ballast/Driver: -

Summary

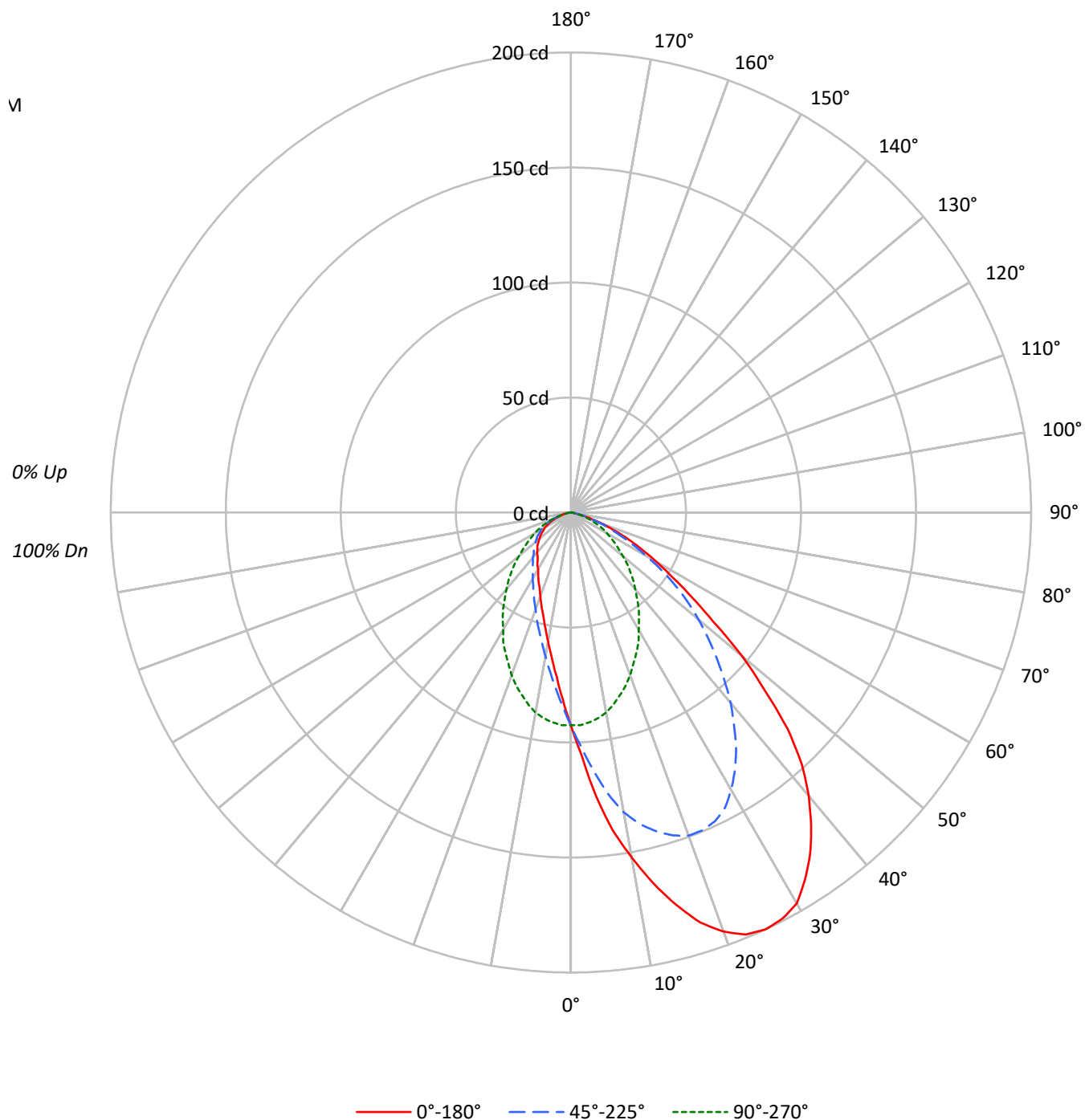
Lumens per Lamp: N/A
Luminaire Lumens: 226.0 lumens
Efficiency: N/A
Efficacy: 31.4 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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°	15931	15931	15931	15931	15931
5°	21333	19466	15836	13243	12361
10°	26634	23137	15442	11122	9968
15°	31487	25586	14656	9503	8255
20°	35537	27400	13782	8229	7111
25°	38005	28143	12789	7278	6309
30°	39037	27702	11713	6602	5668
35°	38117	26323	10807	6097	5298
40°	36151	24281	9780	5778	5148
45°	32442	21847	8890	5578	5017
50°	26043	19398	7877	5385	4769
55°	19217	16695	7026	5345	4624
60°	14811	13054	6269	5167	4512
65°	11247	9699	5542	4768	3994
70°	7553	6848	4230	4230	3273
75°	4059	4059	2795	2795	2462
80°	893	1884	1389	1884	2281
85°	0	988	988	1778	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 32442 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.1	4.0
10°-20°	27.7	12.3
20°-30°	42.8	18.9
30°-40°	48.5	21.5
40°-50°	43.9	19.4
50°-60°	30.7	13.6
60°-70°	16.9	7.5
70°-80°	5.6	2.5
80°-90°	0.8	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°	79.6	35.2
0°-40°	128.1	56.7
0°-60°	202.7	89.7
0°-90°	226.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	226.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	92	92	92	92	92	
5°	123	113	92	77	72	13
15°	177	144	82	53	46	50
25°	200	148	67	38	33	92
35°	181	125	51	29	25	113
45°	133	90	36	23	21	101
55°	64	56	23	18	15	59
65°	28	24	14	12	10	28
75°	6	6	4	4	4	7
85°	0	0	0	1	1	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°	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
2.5°	105.6	106.6	107.0	106.1	105.6	105.1	104.2	103.7	102.8	101.9	101.4
5°	123.4	123.4	123.4	122.4	121.0	120.1	118.2	116.8	114.5	112.6	110.8
7.5°	139.3	139.3	138.8	137.4	136.5	134.1	131.8	129.9	126.2	123.4	119.6
10°	152.3	152.3	151.9	149.5	148.1	145.3	143.0	139.7	136.0	132.3	128.0
12.5°	165.0	165.0	163.1	161.2	158.4	154.7	151.4	148.1	143.0	138.8	133.7
15°	176.6	176.6	175.7	172.4	168.7	164.5	159.8	155.2	149.1	143.5	137.9
17.5°	186.9	186.5	185.1	181.3	177.6	172.4	166.8	161.2	153.8	147.2	140.2
20°	193.9	193.9	192.1	187.9	183.7	178.1	172.0	165.4	157.5	149.5	141.1
22.5°	198.6	198.1	196.3	192.1	186.9	181.3	174.3	167.3	158.4	149.5	140.7
25°	200.0	199.5	197.7	193.0	187.9	181.8	174.3	166.8	157.5	148.1	138.3
27.5°	199.1	198.6	196.7	191.6	186.5	179.5	172.0	164.0	154.7	144.9	135.1
30°	196.3	194.9	193.0	188.3	182.7	175.7	167.8	158.9	149.5	139.3	129.4
32.5°	189.3	189.3	186.9	182.3	176.6	169.2	161.2	152.8	142.5	132.7	122.4
35°	181.3	180.9	179.0	173.8	168.7	161.7	153.8	144.9	135.1	125.2	115.4
37.5°	171.5	171.0	169.2	164.5	158.9	152.3	143.9	135.5	126.2	116.4	107.5
40°	160.8	159.8	157.5	153.8	149.1	141.6	134.1	125.7	116.8	108.0	99.1
42.5°	148.6	147.7	145.8	143.0	137.4	130.9	123.8	115.9	107.5	98.6	92.1
45°	133.2	133.2	132.3	129.4	125.2	120.1	112.6	105.6	97.7	89.7	82.7
47.5°	114.0	115.0	114.5	113.1	111.2	106.6	101.4	95.3	87.9	80.8	74.3
50°	97.2	97.7	98.1	97.2	95.8	92.5	89.3	85.5	79.0	72.4	66.4
52.5°	78.0	79.4	79.4	79.9	79.9	79.0	78.0	73.8	70.6	64.0	58.4
55°	64.0	64.0	64.0	65.0	65.4	65.9	65.0	64.0	60.3	55.6	50.5
57.5°	52.3	52.3	53.3	52.8	52.8	53.7	53.7	53.3	50.9	46.7	42.1
60°	43.0	43.0	43.0	43.0	43.5	43.5	43.5	43.5	41.6	37.9	34.1
62.5°	34.6	34.6	34.6	35.0	35.0	35.0	35.5	35.0	33.2	30.4	27.1
65°	27.6	27.1	27.6	27.6	28.0	28.0	28.0	27.6	25.7	23.8	21.5
67.5°	20.6	21.0	21.0	21.0	21.5	22.0	21.5	21.0	19.6	17.8	16.8
70°	15.0	15.4	15.4	15.4	15.9	16.4	15.9	15.4	14.5	13.6	12.6
72.5°	9.8	10.3	10.3	10.7	11.2	11.2	10.7	10.7	10.3	9.3	8.9
75°	6.1	6.1	6.5	6.5	7.0	7.0	7.0	6.5	6.5	6.1	6.1
77.5°	2.8	2.8	3.3	3.3	3.3	3.7	3.7	3.7	3.7	3.7	3.3
80°	0.9	0.9	0.9	0.9	0.9	1.4	1.4	1.4	1.9	1.9	1.9
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
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°	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
2.5°	100.5	99.1	97.2	92.5	87.9	84.1	81.8	81.3
5°	108.4	106.1	101.9	91.6	83.2	76.6	72.9	71.5
7.5°	116.4	112.2	106.1	90.2	77.6	69.6	65.4	63.6
10°	122.9	117.8	109.8	88.3	72.9	63.6	58.4	57.0
12.5°	128.0	122.0	112.2	85.5	68.2	57.9	52.8	51.4
15°	131.3	124.8	113.6	82.2	63.6	53.3	48.1	46.3
17.5°	132.7	124.8	113.1	79.0	59.4	49.1	43.9	42.5
20°	132.7	123.8	111.7	75.2	55.1	44.9	40.2	38.8
22.5°	131.3	122.0	108.4	71.0	51.4	41.6	36.9	35.5
25°	128.5	118.2	104.7	67.3	47.7	38.3	34.1	33.2
27.5°	124.3	114.0	100.0	63.6	44.4	35.5	31.8	30.8
30°	119.2	108.9	94.9	58.9	41.1	33.2	29.9	28.5
32.5°	112.6	102.8	89.3	55.1	38.3	30.8	28.0	27.1
35°	105.6	96.7	83.2	51.4	35.5	29.0	26.2	25.2
37.5°	98.6	89.3	78.0	47.2	33.2	27.1	24.8	23.8
40°	91.1	84.1	72.4	43.5	31.3	25.7	23.4	22.9
42.5°	83.7	76.2	64.5	40.2	29.0	23.8	22.0	21.5
45°	74.8	67.8	58.4	36.5	27.1	22.9	21.0	20.6
47.5°	67.3	60.8	52.3	33.2	25.2	21.5	19.6	19.2
50°	60.3	53.7	45.8	29.4	23.4	20.1	18.7	17.8
52.5°	52.3	46.7	39.7	26.2	21.5	18.7	17.3	16.8
55°	45.3	39.7	33.2	23.4	19.6	17.8	15.9	15.4
57.5°	37.4	32.7	28.0	20.6	17.8	15.9	15.0	14.0
60°	30.4	27.1	23.8	18.2	15.9	15.0	13.6	13.1
62.5°	24.8	22.4	20.1	15.9	14.0	13.1	12.2	11.2
65°	19.6	18.2	16.4	13.6	12.2	11.7	10.7	9.8
67.5°	15.4	14.5	13.1	10.7	10.3	9.8	8.9	7.9
70°	11.7	11.2	10.3	8.4	7.9	8.4	7.5	6.5
72.5°	8.4	7.9	7.5	6.1	6.1	6.1	5.6	4.7
75°	5.6	5.1	4.7	4.2	4.2	4.2	4.2	3.7
77.5°	3.3	3.3	2.8	2.3	2.8	2.8	3.3	3.3
80°	1.4	1.4	1.4	1.4	1.9	1.9	2.3	2.3
82.5°	0.9	0.9	0.9	0.9	1.4	1.4	1.4	1.4
85°	0.5	0.5	0.5	0.5	0.5	0.9	0.9	0.9
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)