

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: P1310010

Luminaire Tested: P3SQAS05R709040DE010 E3SQCLSWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310010
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: P3SQAS05R709040DE010 E3SQCLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3SQCLSWW1MW TRIAC
Light Source: -
Ballast/Driver: -

Summary

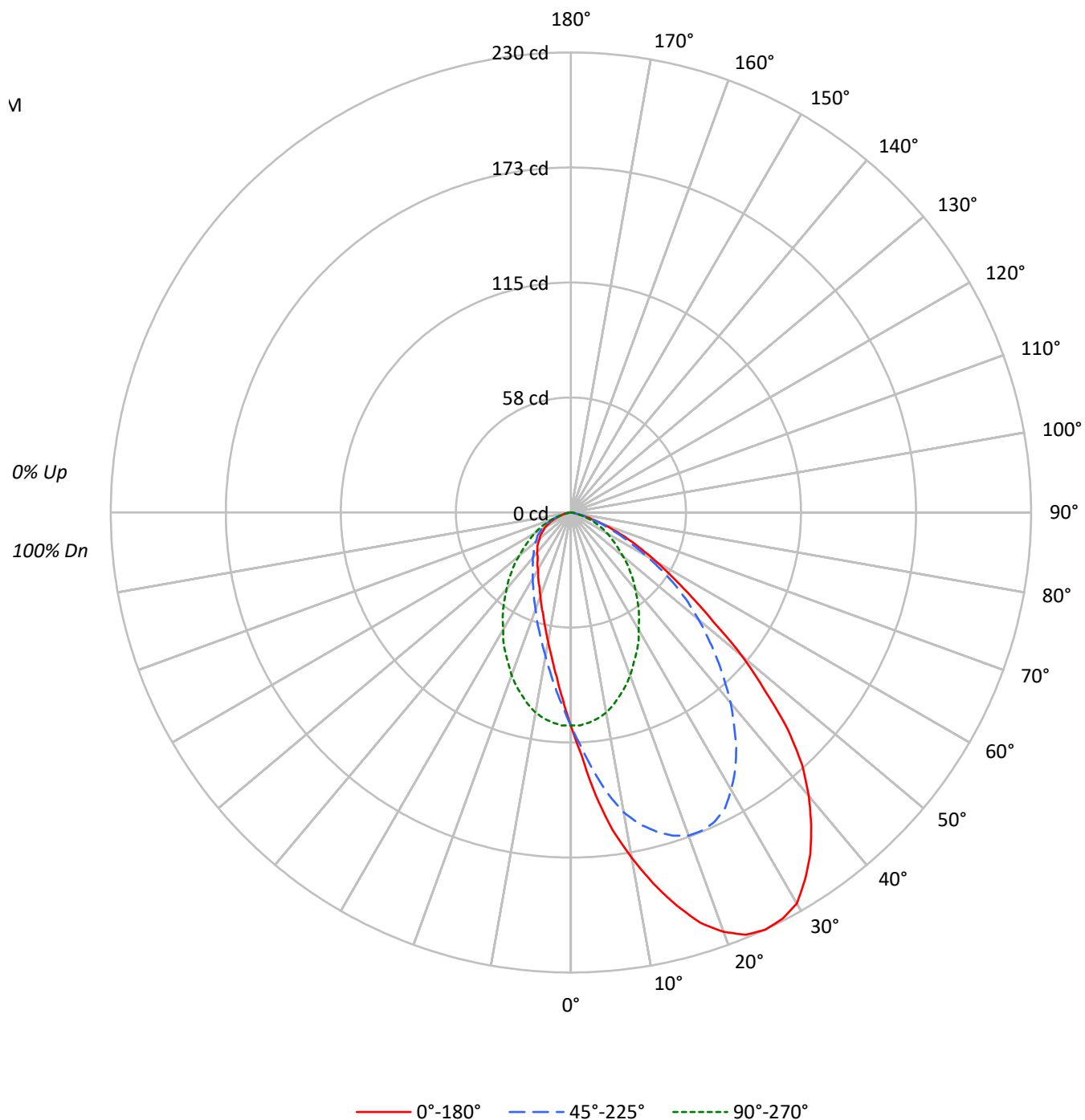
Lumens per Lamp: N/A
Luminaire Lumens: 260.0 lumens
Efficiency: N/A
Efficacy: 36.1 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1310010

CATALOG NUMBER: P3SQAS05R709040DE010 E3SQCLSWW1MW

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
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88	88
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76	76
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	66	66
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	58	58
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51	51
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40	40
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36	36
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	33	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	18342	18342	18342	18342	18342
5°	24532	22405	18222	15248	14228
10°	30656	26617	17768	12784	11472
15°	36230	29437	16867	10930	9485
20°	40889	31523	15872	9457	8174
25°	43725	32381	14708	8380	7259
30°	44904	31858	13463	7597	6523
35°	43857	30296	12425	7001	6097
40°	41569	27923	11241	6655	5913
45°	37313	25135	10205	6406	5772
50°	29955	22319	9083	6189	5466
55°	22129	19217	8077	6125	5315
60°	17050	14983	7233	5924	5201
65°	12918	11166	6357	5461	4605
70°	8661	7855	4884	4884	3777
75°	4658	4658	3194	3194	2861
80°	1091	2182	1587	2182	2678
85°	0	988	988	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 37313 cd/sqm

TEST NUMBER: P1310010

CATALOG NUMBER: P3SQAS05R709040DE010 E3SQCLSWW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.5	4.0
10°-20°	31.9	12.3
20°-30°	49.2	18.9
30°-40°	55.8	21.5
40°-50°	50.5	19.4
50°-60°	35.3	13.6
60°-70°	19.4	7.5
70°-80°	6.5	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°	91.6	35.2
0°-40°	147.4	56.7
0°-60°	233.2	89.7
0°-90°	260.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	260.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	106	106	106	106	106	
5°	142	130	105	88	82	15
15°	203	165	95	61	53	58
25°	230	170	77	44	38	106
35°	209	144	59	33	29	130
45°	153	103	42	26	24	116
55°	74	64	27	20	18	68
65°	32	27	16	13	11	32
75°	7	7	5	5	4	8
85°	0	0	0	1	1	0
90°	0	0	0	0	0	

TEST NUMBER: P1310010

CATALOG NUMBER: P3SQAS05R709040DE010 E3SQCLSWW1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5
2.5°	121.5	122.6	123.1	122.0	121.5	121.0	119.9	119.4	118.3	117.2	116.7
5°	141.9	141.9	141.9	140.9	139.2	138.2	136.0	134.4	131.7	129.6	127.4
7.5°	160.2	160.2	159.7	158.1	157.0	154.3	151.6	149.5	145.2	141.9	137.6
10°	175.3	175.3	174.7	172.0	170.4	167.2	164.5	160.8	156.5	152.2	147.3
12.5°	189.8	189.8	187.6	185.5	182.3	178.0	174.2	170.4	164.5	159.7	153.8
15°	203.2	203.2	202.1	198.4	194.1	189.2	183.9	178.5	171.5	165.1	158.6
17.5°	215.1	214.5	212.9	208.6	204.3	198.4	191.9	185.5	176.9	169.4	161.3
20°	223.1	223.1	221.0	216.1	211.3	204.8	197.8	190.3	181.2	172.0	162.4
22.5°	228.5	228.0	225.8	221.0	215.1	208.6	200.5	192.5	182.3	172.0	161.8
25°	230.1	229.6	227.4	222.0	216.1	209.1	200.5	191.9	181.2	170.4	159.1
27.5°	229.0	228.5	226.3	220.4	214.5	206.5	197.8	188.7	178.0	166.7	155.4
30°	225.8	224.2	222.0	216.7	210.2	202.1	193.0	182.8	172.0	160.2	148.9
32.5°	217.7	217.7	215.1	209.7	203.2	194.6	185.5	175.8	164.0	152.7	140.9
35°	208.6	208.1	205.9	200.0	194.1	186.0	176.9	166.7	155.4	144.1	132.8
37.5°	197.3	196.8	194.6	189.2	182.8	175.3	165.6	155.9	145.2	133.9	123.7
40°	184.9	183.9	181.2	176.9	171.5	162.9	154.3	144.6	134.4	124.2	114.0
42.5°	171.0	169.9	167.7	164.5	158.1	150.5	142.5	133.3	123.7	113.4	105.9
45°	153.2	153.2	152.2	148.9	144.1	138.2	129.6	121.5	112.4	103.2	95.2
47.5°	131.2	132.3	131.7	130.1	128.0	122.6	116.7	109.7	101.1	93.0	85.5
50°	111.8	112.4	112.9	111.8	110.2	106.5	102.7	98.4	90.9	83.3	76.3
52.5°	89.8	91.4	91.4	91.9	91.9	90.9	89.8	84.9	81.2	73.7	67.2
55°	73.7	73.7	73.7	74.7	75.3	75.8	74.7	73.7	69.4	64.0	58.1
57.5°	60.2	60.2	61.3	60.8	60.8	61.8	61.8	61.3	58.6	53.8	48.4
60°	49.5	49.5	49.5	49.5	50.0	50.0	50.0	50.0	47.8	43.5	39.2
62.5°	39.8	39.8	39.8	40.3	40.3	40.3	40.9	40.3	38.2	34.9	31.2
65°	31.7	31.2	31.7	31.7	32.3	32.3	32.3	31.7	29.6	27.4	24.7
67.5°	23.7	24.2	24.2	24.2	24.7	25.3	24.7	24.2	22.6	20.4	19.4
70°	17.2	17.7	17.7	17.7	18.3	18.8	18.3	17.7	16.7	15.6	14.5
72.5°	11.3	11.8	11.8	12.4	12.9	12.9	12.4	12.4	11.8	10.8	10.2
75°	7.0	7.0	7.5	7.5	8.1	8.1	8.1	7.5	7.5	7.0	7.0
77.5°	3.2	3.2	3.8	3.8	3.8	4.3	4.3	4.3	4.3	4.3	3.8
80°	1.1	1.1	1.1	1.1	1.1	1.6	1.6	1.6	2.2	2.2	2.2
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.1
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

TEST NUMBER: P1310010

CATALOG NUMBER: P3SQAS05R709040DE010 E3SQCLSWW1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5
2.5°	115.6	114.0	111.8	106.5	101.1	96.8	94.1	93.5
5°	124.7	122.0	117.2	105.4	95.7	88.2	83.9	82.3
7.5°	133.9	129.0	122.0	103.8	89.2	80.1	75.3	73.1
10°	141.4	135.5	126.3	101.6	83.9	73.1	67.2	65.6
12.5°	147.3	140.3	129.0	98.4	78.5	66.7	60.8	59.1
15°	151.1	143.5	130.6	94.6	73.1	61.3	55.4	53.2
17.5°	152.7	143.5	130.1	90.9	68.3	56.5	50.5	48.9
20°	152.7	142.5	128.5	86.6	63.4	51.6	46.2	44.6
22.5°	151.1	140.3	124.7	81.7	59.1	47.8	42.5	40.9
25°	147.8	136.0	120.4	77.4	54.8	44.1	39.2	38.2
27.5°	143.0	131.2	115.1	73.1	51.1	40.9	36.6	35.5
30°	137.1	125.3	109.1	67.7	47.3	38.2	34.4	32.8
32.5°	129.6	118.3	102.7	63.4	44.1	35.5	32.3	31.2
35°	121.5	111.3	95.7	59.1	40.9	33.3	30.1	29.0
37.5°	113.4	102.7	89.8	54.3	38.2	31.2	28.5	27.4
40°	104.8	96.8	83.3	50.0	36.0	29.6	26.9	26.3
42.5°	96.2	87.6	74.2	46.2	33.3	27.4	25.3	24.7
45°	86.0	78.0	67.2	41.9	31.2	26.3	24.2	23.7
47.5°	77.4	69.9	60.2	38.2	29.0	24.7	22.6	22.0
50°	69.4	61.8	52.7	33.9	26.9	23.1	21.5	20.4
52.5°	60.2	53.8	45.7	30.1	24.7	21.5	19.9	19.4
55°	52.2	45.7	38.2	26.9	22.6	20.4	18.3	17.7
57.5°	43.0	37.6	32.3	23.7	20.4	18.3	17.2	16.1
60°	34.9	31.2	27.4	21.0	18.3	17.2	15.6	15.1
62.5°	28.5	25.8	23.1	18.3	16.1	15.1	14.0	12.9
65°	22.6	21.0	18.8	15.6	14.0	13.4	12.4	11.3
67.5°	17.7	16.7	15.1	12.4	11.8	11.3	10.2	9.1
70°	13.4	12.9	11.8	9.7	9.1	9.7	8.6	7.5
72.5°	9.7	9.1	8.6	7.0	7.0	7.0	6.5	5.4
75°	6.5	5.9	5.4	4.8	4.8	4.8	4.8	4.3
77.5°	3.8	3.8	3.2	2.7	3.2	3.2	3.8	3.8
80°	1.6	1.6	1.6	1.6	2.2	2.2	2.7	2.7
82.5°	1.1	1.1	1.1	1.1	1.6	1.6	1.6	1.6
85°	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.1
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)