

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: P1316041

Luminaire Tested: P3SQAS05R709827DE010 E3SQCLSWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316041
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: P3SQAS05R709827DE010 E3SQCLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3SQCLSWW1MW TRIAC
Light Source: -
Ballast/Driver: -

Summary

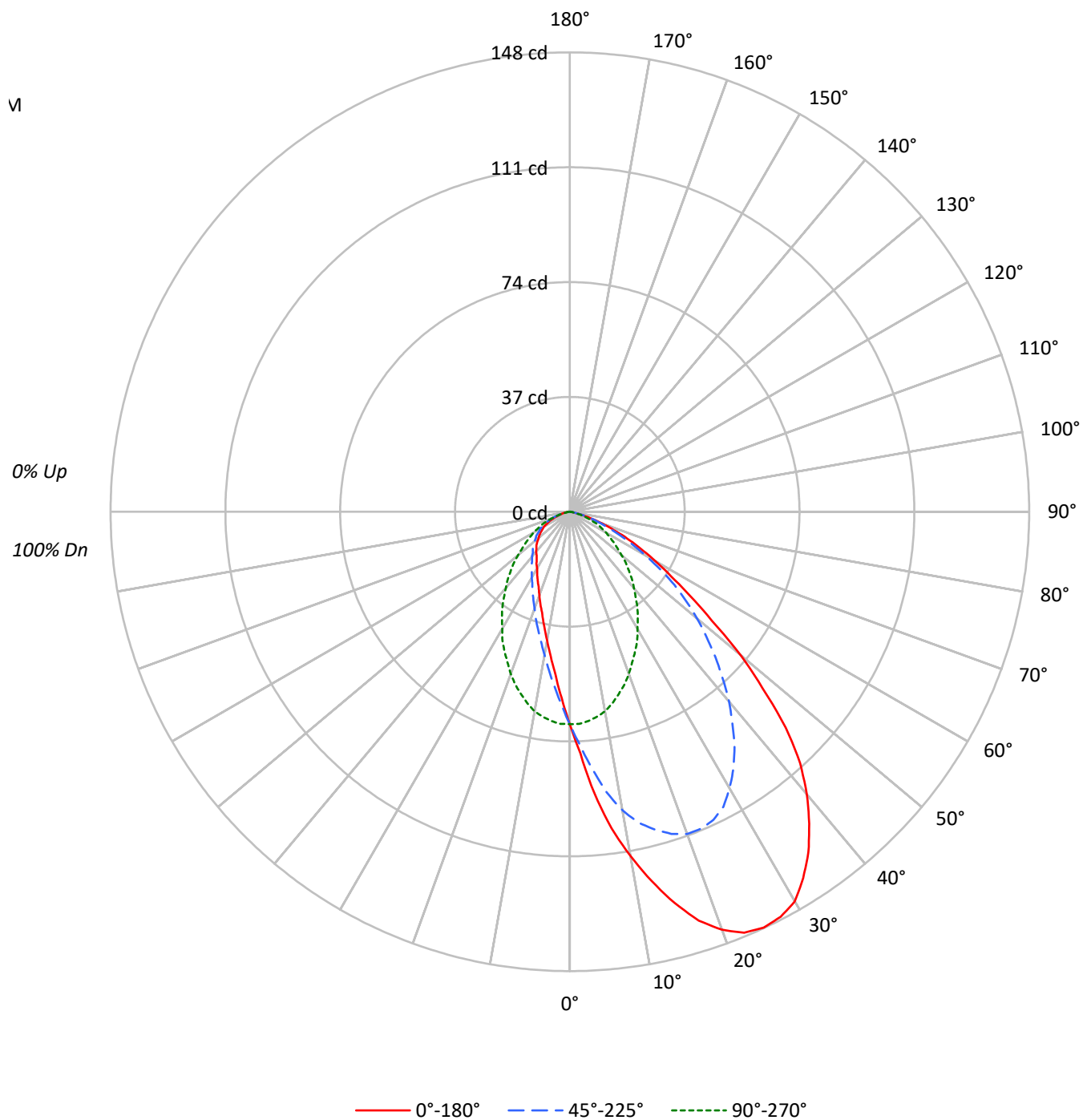
Lumens per Lamp: N/A
Luminaire Lumens: 167.0 lumens
Efficiency: N/A
Efficacy: 23.2 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1316041

CATALOG NUMBER: P3SQAS05R709827DE010 E3SQCLSWW1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1316041

CATALOG NUMBER: P3SQAS05R709827DE010 E3SQCLSWW1MW

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	84	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	63	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°	11780	11780	11780	11780	11780
5°	15767	14384	11704	9785	9128
10°	19691	17086	11420	8219	7362
15°	23268	18900	10841	7025	6098
20°	26263	20252	10190	6085	5260
25°	28086	20808	9444	5378	4656
30°	28836	20463	8651	4872	4196
35°	28173	19448	7989	4499	3911
40°	26709	17941	7217	4272	3799
45°	23966	16148	6552	4116	3702
50°	19237	14334	5841	3965	3510
55°	14202	12341	5195	3933	3423
60°	10953	9644	4650	3823	3341
65°	8313	7172	4075	3505	2975
70°	5589	5035	3122	3122	2417
75°	2994	2994	2063	2063	1863
80°	694	1389	992	1389	1686
85°	0	593	593	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23966 cd/sqm

TEST NUMBER: P1316041

CATALOG NUMBER: P3SQAS05R709827DE010 E3SQCLSWW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.7	4.0
10°-20°	20.5	12.3
20°-30°	31.6	18.9
30°-40°	35.8	21.5
40°-50°	32.4	19.4
50°-60°	22.7	13.6
60°-70°	12.5	7.5
70°-80°	4.2	2.5
80°-90°	0.5	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°	58.8	35.2
0°-40°	94.7	56.7
0°-60°	149.8	89.7
0°-90°	167.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	167.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	68	68	68	68	68	
5°	91	83	68	57	53	9
15°	130	106	61	39	34	37
25°	148	110	50	28	24	68
35°	134	92	38	21	19	83
45°	98	66	27	17	15	75
55°	47	41	17	13	11	44
65°	20	18	10	9	7	20
75°	4	4	3	3	3	5
85°	0	0	0	1	1	0
90°	0	0	0	0	0	

TEST NUMBER: P1316041

CATALOG NUMBER: P3SQAS05R709827DE010 E3SQCLSWW1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
2.5°	78.0	78.7	79.1	78.4	78.0	77.7	77.0	76.7	76.0	75.3	74.9
5°	91.2	91.2	91.2	90.5	89.4	88.7	87.4	86.3	84.6	83.2	81.8
7.5°	102.9	102.9	102.6	101.5	100.8	99.1	97.4	96.0	93.2	91.2	88.4
10°	112.6	112.6	112.2	110.5	109.5	107.4	105.7	103.3	100.5	97.7	94.6
12.5°	121.9	121.9	120.5	119.1	117.1	114.3	111.9	109.5	105.7	102.6	98.8
15°	130.5	130.5	129.8	127.4	124.7	121.6	118.1	114.6	110.2	106.0	101.9
17.5°	138.1	137.8	136.7	134.0	131.2	127.4	123.3	119.1	113.6	108.8	103.6
20°	143.3	143.3	141.9	138.8	135.7	131.6	127.1	122.2	116.4	110.5	104.3
22.5°	146.8	146.4	145.0	141.9	138.1	134.0	128.8	123.6	117.1	110.5	103.9
25°	147.8	147.5	146.1	142.6	138.8	134.3	128.8	123.3	116.4	109.5	102.2
27.5°	147.1	146.8	145.4	141.6	137.8	132.6	127.1	121.2	114.3	107.1	99.8
30°	145.0	144.0	142.6	139.2	135.0	129.8	124.0	117.4	110.5	102.9	95.7
32.5°	139.9	139.9	138.1	134.7	130.5	125.0	119.1	112.9	105.3	98.1	90.5
35°	134.0	133.6	132.3	128.5	124.7	119.5	113.6	107.1	99.8	92.5	85.3
37.5°	126.7	126.4	125.0	121.6	117.4	112.6	106.4	100.1	93.2	86.0	79.4
40°	118.8	118.1	116.4	113.6	110.2	104.6	99.1	92.9	86.3	79.8	73.2
42.5°	109.8	109.1	107.7	105.7	101.5	96.7	91.5	85.6	79.4	72.9	68.0
45°	98.4	98.4	97.7	95.7	92.5	88.7	83.2	78.0	72.2	66.3	61.1
47.5°	84.3	85.0	84.6	83.6	82.2	78.7	74.9	70.4	64.9	59.7	54.9
50°	71.8	72.2	72.5	71.8	70.8	68.4	66.0	63.2	58.4	53.5	49.0
52.5°	57.7	58.7	58.7	59.1	59.1	58.4	57.7	54.6	52.1	47.3	43.2
55°	47.3	47.3	47.3	48.0	48.3	48.7	48.0	47.3	44.5	41.1	37.3
57.5°	38.7	38.7	39.4	39.0	39.0	39.7	39.7	39.4	37.6	34.5	31.1
60°	31.8	31.8	31.8	31.8	32.1	32.1	32.1	32.1	30.7	28.0	25.2
62.5°	25.6	25.6	25.6	25.9	25.9	25.9	26.2	25.9	24.5	22.4	20.0
65°	20.4	20.0	20.4	20.4	20.7	20.7	20.7	20.4	19.0	17.6	15.9
67.5°	15.2	15.5	15.5	15.5	15.9	16.2	15.9	15.5	14.5	13.1	12.4
70°	11.1	11.4	11.4	11.4	11.7	12.1	11.7	11.4	10.7	10.0	9.3
72.5°	7.3	7.6	7.6	7.9	8.3	8.3	7.9	7.9	7.6	6.9	6.6
75°	4.5	4.5	4.8	4.8	5.2	5.2	5.2	4.8	4.8	4.5	4.5
77.5°	2.1	2.1	2.4	2.4	2.4	2.8	2.8	2.8	2.8	2.8	2.4
80°	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.4	1.4	1.4
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
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: P1316041

CATALOG NUMBER: P3SQAS05R709827DE010 E3SQCLSWW1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
2.5°	74.2	73.2	71.8	68.4	64.9	62.2	60.4	60.1
5°	80.1	78.4	75.3	67.7	61.5	56.6	53.9	52.8
7.5°	86.0	82.9	78.4	66.6	57.3	51.5	48.3	47.0
10°	90.8	87.0	81.2	65.3	53.9	47.0	43.2	42.1
12.5°	94.6	90.1	82.9	63.2	50.4	42.8	39.0	38.0
15°	97.0	92.2	83.9	60.8	47.0	39.4	35.6	34.2
17.5°	98.1	92.2	83.6	58.4	43.9	36.3	32.5	31.4
20°	98.1	91.5	82.5	55.6	40.7	33.2	29.7	28.7
22.5°	97.0	90.1	80.1	52.5	38.0	30.7	27.3	26.2
25°	95.0	87.4	77.4	49.7	35.2	28.3	25.2	24.5
27.5°	91.9	84.3	73.9	47.0	32.8	26.2	23.5	22.8
30°	88.1	80.5	70.1	43.5	30.4	24.5	22.1	21.1
32.5°	83.2	76.0	66.0	40.7	28.3	22.8	20.7	20.0
35°	78.0	71.5	61.5	38.0	26.2	21.4	19.3	18.6
37.5°	72.9	66.0	57.7	34.9	24.5	20.0	18.3	17.6
40°	67.3	62.2	53.5	32.1	23.1	19.0	17.3	16.9
42.5°	61.8	56.3	47.7	29.7	21.4	17.6	16.2	15.9
45°	55.3	50.1	43.2	26.9	20.0	16.9	15.5	15.2
47.5°	49.7	44.9	38.7	24.5	18.6	15.9	14.5	14.2
50°	44.5	39.7	33.8	21.8	17.3	14.8	13.8	13.1
52.5°	38.7	34.5	29.4	19.3	15.9	13.8	12.8	12.4
55°	33.5	29.4	24.5	17.3	14.5	13.1	11.7	11.4
57.5°	27.6	24.2	20.7	15.2	13.1	11.7	11.1	10.4
60°	22.4	20.0	17.6	13.5	11.7	11.1	10.0	9.7
62.5°	18.3	16.6	14.8	11.7	10.4	9.7	9.0	8.3
65°	14.5	13.5	12.1	10.0	9.0	8.6	7.9	7.3
67.5°	11.4	10.7	9.7	7.9	7.6	7.3	6.6	5.9
70°	8.6	8.3	7.6	6.2	5.9	6.2	5.5	4.8
72.5°	6.2	5.9	5.5	4.5	4.5	4.5	4.1	3.5
75°	4.1	3.8	3.5	3.1	3.1	3.1	3.1	2.8
77.5°	2.4	2.4	2.1	1.7	2.1	2.1	2.4	2.4
80°	1.0	1.0	1.0	1.0	1.4	1.4	1.7	1.7
82.5°	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0
85°	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.7
87.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)