

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: P1313174

Luminaire Tested: P3SQAS05R709730DE010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313174
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R709730DE010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

Summary

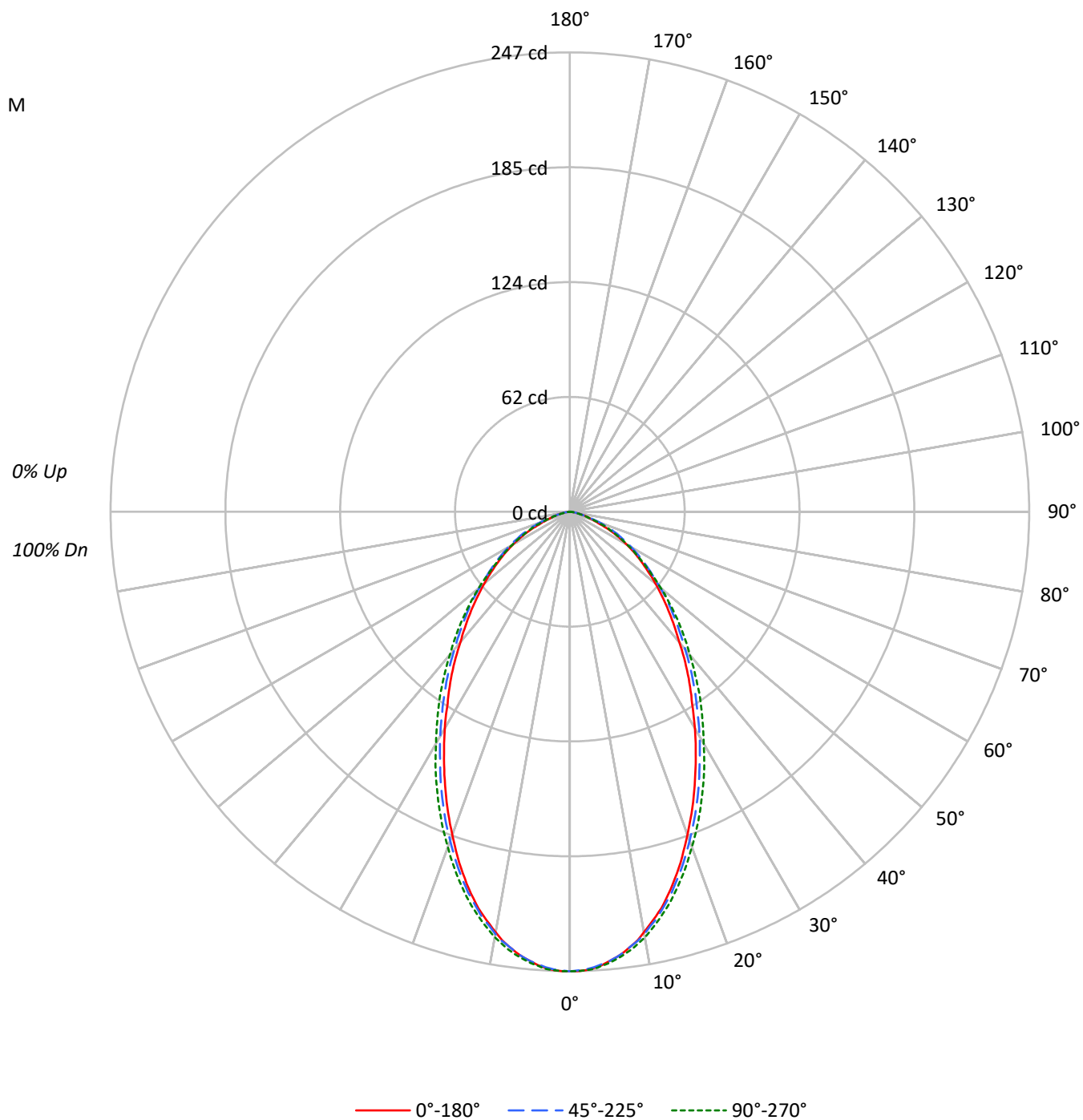
Lumens per Lamp: N/A
Luminaire Lumens: 371.0 lumens
Efficiency: N/A
Efficacy: 51.5 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1313174

CATALOG NUMBER: P3SQAS05R709730DE010 E3SQCLDWW1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1313174

CATALOG NUMBER: P3SQAS05R709730DE010 E3SQCLDWW1MW

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	104	101	109	105	102	99	101	98	96		97	95	93		94
2	103	96	91	86	101	95	89	85	91	87	83		88	84	81		85
3	95	87	80	75	93	85	79	74	82	77	73		80	75	71		77
4	89	78	71	65	87	77	70	65	75	69	64		73	67	63		71
5	83	71	64	58	81	70	63	58	68	62	57		67	61	57		65
6	77	65	58	52	75	64	57	52	63	56	51		61	55	51		60
7	72	60	52	47	70	59	52	47	58	51	47		57	51	46		55
8	68	56	48	43	66	55	48	43	54	47	42		53	47	42		51
9	64	52	44	39	62	51	44	39	50	44	39		49	43	39		48
10	60	48	41	36	59	48	41	36	47	40	36		46	40	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	42556	42556	42556
5°	41941	41941	42096
10°	40152	40310	40624
15°	37425	37746	38209
20°	33869	34511	35171
25°	30252	31107	31962
30°	26747	27742	28617
35°	23568	24599	25650
40°	20571	21673	22572
45°	18243	19217	19874
50°	16103	16933	17174
55°	14142	14953	14533
60°	12193	13123	12503
65°	9699	11329	10229
70°	6999	8812	7654
75°	5390	5656	4791
80°	3570	3570	2678
85°	1778	1778	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 19874 cd/sqm

TEST NUMBER: P1313174

CATALOG NUMBER: P3SQAS05R709730DE010 E3SQCLDWW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.8	6.1
10°-20°	59.1	15.9
20°-30°	75.1	20.3
30°-40°	73.1	19.7
40°-50°	60.8	16.4
50°-60°	43.8	11.8
60°-70°	25.8	7.0
70°-80°	9.1	2.5
80°-90°	1.3	0.4
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°	157.0	42.3
0°-40°	230.1	62.0
0°-60°	334.7	90.2
0°-90°	371.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	371.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	247	247	247	247	247	
5°	243	242	243	243	244	23
15°	210	210	212	213	214	59
25°	159	161	164	167	168	73
35°	112	114	117	120	122	70
45°	75	76	79	81	82	58
55°	47	48	50	49	48	42
65°	24	26	28	26	25	24
75°	8	8	8	8	7	9
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1313174

CATALOG NUMBER: P3SQAS05R709730DE010 E3SQCLDWW1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	247.1	247.1	247.1	247.1	247.1
1°	247.1	246.6	246.6	246.6	247.1
2°	246.6	246.2	246.2	246.2	246.6
3°	245.7	245.3	245.3	245.3	246.2
4°	244.4	243.5	243.9	243.9	244.8
5°	242.6	242.1	242.6	242.6	243.5
6°	240.8	240.4	240.8	240.8	241.7
7°	238.6	238.1	238.6	239.0	239.9
8°	235.9	235.4	235.9	236.3	237.7
9°	233.2	232.7	233.6	234.1	235.0
10°	229.6	229.6	230.5	230.9	232.3
11°	226.0	226.0	226.9	227.8	229.1
12°	222.4	222.4	223.8	224.7	225.6
13°	218.8	218.4	219.7	220.6	222.0
14°	214.3	213.9	215.7	217.0	218.4
15°	209.9	209.9	211.7	213.0	214.3
17.5°	197.8	198.2	200.4	202.2	203.6
20°	184.8	186.1	188.3	190.6	191.9
22.5°	172.2	173.1	176.2	178.9	180.3
25°	159.2	161.0	163.7	166.8	168.2
27.5°	146.6	148.4	151.1	154.3	156.5
30°	134.5	135.9	139.5	142.6	143.9
32.5°	122.4	124.2	127.8	130.9	132.7
35°	112.1	113.5	117.0	120.2	122.0
37.5°	101.8	103.1	106.7	109.4	110.8
40°	91.5	93.7	96.4	99.1	100.4
42.5°	83.0	84.8	87.4	89.7	91.0
45°	74.9	76.2	78.9	80.7	81.6
47.5°	67.3	68.6	71.3	72.2	72.6
50°	60.1	61.4	63.2	63.7	64.1
52.5°	53.4	54.3	56.1	56.1	55.6
55°	47.1	48.4	49.8	49.3	48.4
57.5°	41.3	41.7	43.9	43.0	42.2
60°	35.4	36.3	38.1	37.2	36.3
62.5°	29.6	30.5	32.7	31.8	30.5
65°	23.8	25.6	27.8	26.5	25.1
67.5°	17.9	20.2	22.4	21.1	20.2
70°	13.9	15.7	17.5	16.1	15.2
72.5°	10.8	11.7	12.6	11.7	10.8
75°	8.1	8.5	8.5	7.6	7.2
77.5°	5.8	6.3	5.4	4.5	4.5
80°	3.6	4.0	3.6	2.7	2.7
82.5°	1.8	2.2	1.8	1.8	1.8
85°	0.9	0.9	0.9	0.9	0.9
87.5°	0.4	0.4	0.4	0.4	0.4



TEST NUMBER: P1313174
CATALOG NUMBER: P3SQAS05R709730DE010 E3SQCLDWW1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)