

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: P1317790

Luminaire Tested: P3SQAS05R709835DE010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317790
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: P3SQAS05R709835DE010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

Summary

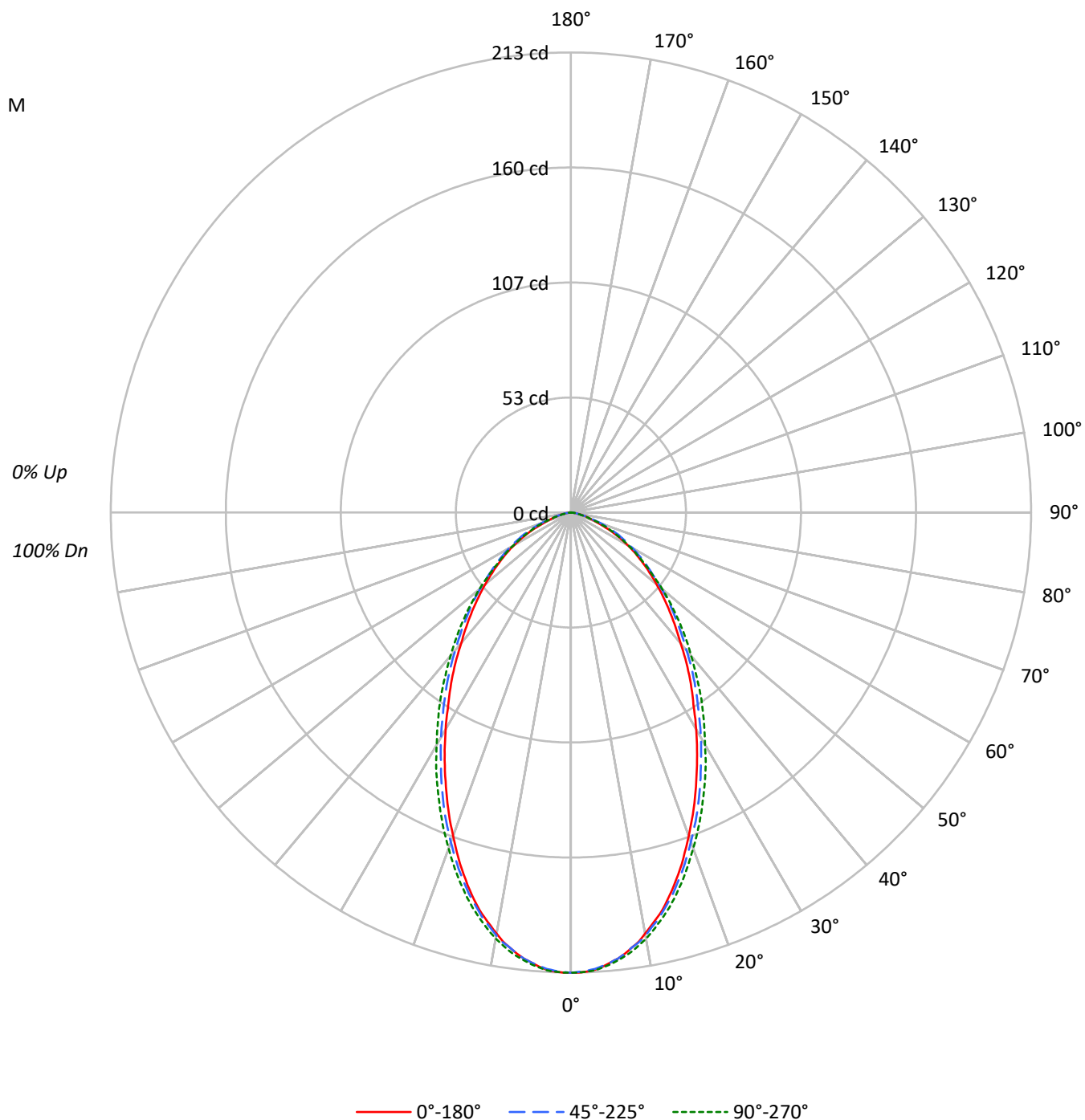
Lumens per Lamp: N/A
Luminaire Lumens: 320.0 lumens
Efficiency: N/A
Efficacy: 44.4 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1317790

CATALOG NUMBER: P3SQAS05R709835DE010 E3SQCLDWW1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1317790

CATALOG NUMBER: P3SQAS05R709835DE010 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°	36701	36701	36701
5°	36167	36167	36305
10°	34626	34766	35046
15°	32272	32557	32967
20°	29214	29764	30332
25°	26091	26832	27554
30°	23068	23924	24699
35°	20331	21214	22118
40°	17738	18705	19469
45°	15734	16586	17147
50°	13879	14602	14817
55°	12191	12881	12551
60°	10540	11332	10781
65°	8354	9780	8843
70°	6043	7604	6647
75°	4658	4858	4126
80°	3075	3075	2281
85°	1581	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 17147 cd/sqm

TEST NUMBER: P1317790

CATALOG NUMBER: P3SQAS05R709835DE010 E3SQCLDWW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.6	6.1
10°-20°	51.0	15.9
20°-30°	64.8	20.3
30°-40°	63.0	19.7
40°-50°	52.4	16.4
50°-60°	37.8	11.8
60°-70°	22.2	6.9
70°-80°	7.9	2.5
80°-90°	1.2	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°	135.5	42.3
0°-40°	198.5	62.0
0°-60°	288.7	90.2
0°-90°	320.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	320.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	213	213	213	213	213	
5°	209	209	209	209	210	20
15°	181	181	183	184	185	50
25°	137	139	141	144	145	63
35°	97	98	101	104	105	60
45°	65	66	68	70	70	50
55°	41	42	43	42	42	36
65°	20	22	24	23	22	20
75°	7	7	7	7	6	8
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1317790

CATALOG NUMBER: P3SQAS05R709835DE010 E3SQCLDWW1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	213.1	213.1	213.1	213.1	213.1
1°	213.1	212.7	212.7	212.7	213.1
2°	212.7	212.3	212.3	212.3	212.7
3°	212.0	211.6	211.6	211.6	212.3
4°	210.8	210.0	210.4	210.4	211.2
5°	209.2	208.9	209.2	209.2	210.0
6°	207.7	207.3	207.7	207.7	208.5
7°	205.8	205.4	205.8	206.2	206.9
8°	203.4	203.1	203.4	203.8	205.0
9°	201.1	200.7	201.5	201.9	202.7
10°	198.0	198.0	198.8	199.2	200.4
11°	194.9	194.9	195.7	196.5	197.6
12°	191.8	191.8	193.0	193.8	194.6
13°	188.7	188.4	189.5	190.3	191.5
14°	184.9	184.5	186.0	187.2	188.4
15°	181.0	181.0	182.6	183.7	184.9
17.5°	170.6	171.0	172.9	174.4	175.6
20°	159.4	160.5	162.4	164.4	165.5
22.5°	148.5	149.3	152.0	154.3	155.5
25°	137.3	138.9	141.2	143.9	145.0
27.5°	126.5	128.0	130.3	133.1	135.0
30°	116.0	117.2	120.3	123.0	124.2
32.5°	105.6	107.1	110.2	112.9	114.5
35°	96.7	97.9	100.9	103.7	105.2
37.5°	87.8	89.0	92.1	94.4	95.5
40°	78.9	80.8	83.2	85.5	86.6
42.5°	71.6	73.1	75.4	77.4	78.5
45°	64.6	65.8	68.1	69.6	70.4
47.5°	58.0	59.2	61.5	62.3	62.7
50°	51.8	53.0	54.5	54.9	55.3
52.5°	46.0	46.8	48.3	48.3	48.0
55°	40.6	41.8	42.9	42.5	41.8
57.5°	35.6	36.0	37.9	37.1	36.4
60°	30.6	31.3	32.9	32.1	31.3
62.5°	25.5	26.3	28.2	27.5	26.3
65°	20.5	22.0	24.0	22.8	21.7
67.5°	15.5	17.4	19.3	18.2	17.4
70°	12.0	13.5	15.1	13.9	13.2
72.5°	9.3	10.1	10.8	10.1	9.3
75°	7.0	7.3	7.3	6.6	6.2
77.5°	5.0	5.4	4.6	3.9	3.9
80°	3.1	3.5	3.1	2.3	2.3
82.5°	1.5	1.9	1.5	1.5	1.5
85°	0.8	0.8	0.8	0.8	0.8
87.5°	0.4	0.4	0.4	0.4	0.4



TEST NUMBER: P1317790

CATALOG NUMBER: P3SQAS05R709835DE010 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)