

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: P1310005

Luminaire Tested: P3SQAS05R709040DE010 E3SQCLDWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310005
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R709040DE010 E3SQCLDWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3SQCLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

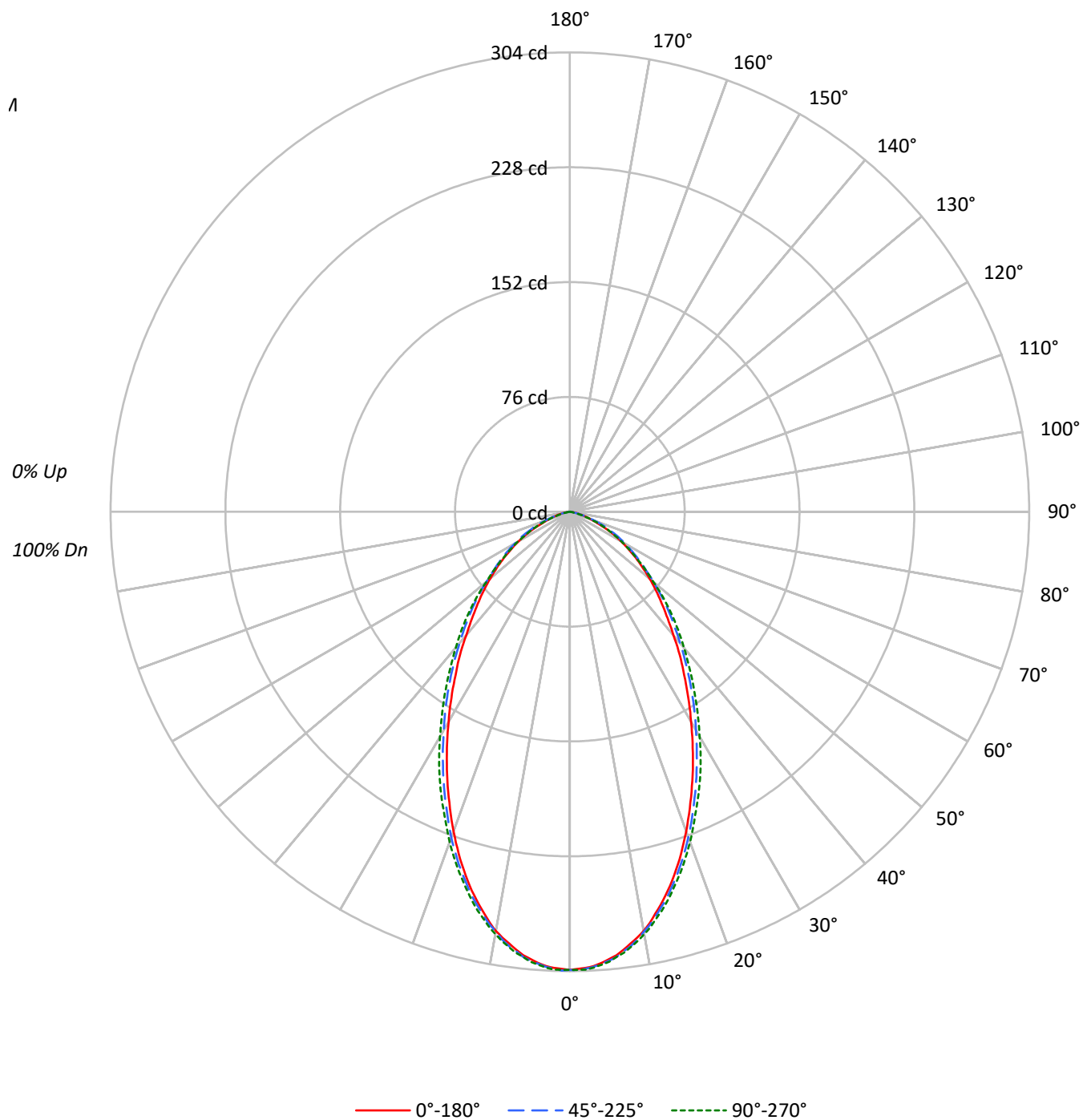
Lumens per Lamp: N/A
Luminaire Lumens: 434.0 lumens
Efficiency: N/A
Efficacy: 60.3 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 0.99
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1310005

CATALOG NUMBER: P3SQAS05R709040DE010 E3SQCLDWW1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1310005

CATALOG NUMBER: P3SQAS05R709040DE010 E3SQCLDWW1MB

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	108	104	102	109	106	103	100	101	99	97		98	96	94		94
2	103	97	92	87	101	95	90	86	92	88	84		89	85	82		86
3	96	87	81	76	94	86	80	75	83	78	74		81	76	72		78
4	89	79	72	66	87	78	71	66	76	70	65		74	69	64		72
5	83	72	65	59	81	71	64	59	69	63	58		67	62	58		66
6	78	66	59	53	76	65	58	53	64	57	53		62	56	52		61
7	73	61	53	48	71	60	53	48	59	52	48		58	52	47		56
8	68	57	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	41	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	52218	52218	52218
5°	51380	51570	51674
10°	49246	49351	49631
15°	45698	46090	46464
20°	41255	42043	42630
25°	36523	37549	38480
30°	31918	33191	34165
35°	27731	29203	30107
40°	23966	25540	26394
45°	20995	22432	23089
50°	18460	19345	19345
55°	16004	16815	16334
60°	13537	14467	13709
65°	10514	12062	10962
70°	7604	8963	7604
75°	5723	5390	4325
80°	3769	2678	1091
85°	988	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 23089 cd/sqm

TEST NUMBER: P1310005

CATALOG NUMBER: P3SQAS05R709040DE010 E3SQCLDWW1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.9	6.4
10°-20°	72.1	16.6
20°-30°	90.6	20.9
30°-40°	86.5	19.9
40°-50°	70.3	16.2
50°-60°	49.2	11.3
60°-70°	27.8	6.4
70°-80°	8.8	2.0
80°-90°	0.7	0.2
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°	190.7	43.9
0°-40°	277.1	63.9
0°-60°	396.7	91.4
0°-90°	434.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	434.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	303	303	303	303	303	
5°	297	298	298	298	299	28
15°	256	257	258	259	261	71
25°	192	194	198	201	202	88
35°	132	134	139	142	143	83
45°	86	88	92	94	95	67
55°	53	54	56	55	54	48
65°	26	28	30	28	27	26
75°	9	9	8	7	6	9
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

TEST NUMBER: P1310005

CATALOG NUMBER: P3SQAS05R709040DE010 E3SQCLDWW1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	303.2	303.2	303.2	303.2	303.2
1°	302.6	303.2	303.7	302.6	303.2
2°	302.1	302.6	302.6	302.1	303.2
3°	301.0	301.5	301.5	301.0	302.1
4°	299.4	299.9	299.9	299.4	300.5
5°	297.2	297.8	298.3	297.8	298.9
6°	295.1	295.6	296.2	295.6	296.2
7°	291.9	292.9	292.9	292.9	294.0
8°	288.6	289.7	290.2	289.7	290.8
9°	285.4	285.9	286.5	286.5	287.5
10°	281.6	282.2	282.2	282.7	283.8
11°	277.3	277.3	278.4	278.4	280.0
12°	271.9	272.5	273.5	274.1	275.2
13°	267.1	267.6	268.7	269.2	270.9
14°	261.7	262.8	263.9	264.4	266.0
15°	256.3	256.9	258.5	259.0	260.6
17.5°	241.2	241.8	244.5	245.5	247.2
20°	225.1	226.7	229.4	231.0	232.6
22.5°	208.4	210.0	213.2	215.9	217.0
25°	192.2	194.4	197.6	200.9	202.5
27.5°	176.1	178.2	182.0	185.2	187.4
30°	160.5	162.6	166.9	169.6	171.8
32.5°	145.9	148.1	152.9	155.6	157.2
35°	131.9	134.1	138.9	141.6	143.2
37.5°	119.5	121.7	126.0	128.7	129.8
40°	106.6	109.3	113.6	116.3	117.4
42.5°	95.8	98.0	102.3	104.5	106.1
45°	86.2	88.3	92.1	93.7	94.8
47.5°	77.5	78.6	81.8	82.4	83.5
50°	68.9	70.0	72.2	72.7	72.2
52.5°	60.8	61.9	63.5	63.0	63.0
55°	53.3	53.8	56.0	54.9	54.4
57.5°	45.8	46.8	49.0	47.4	46.8
60°	39.3	40.4	42.0	40.9	39.8
62.5°	32.8	33.4	36.1	33.9	32.8
65°	25.8	27.5	29.6	28.0	26.9
67.5°	19.4	22.1	24.2	22.1	21.0
70°	15.1	16.2	17.8	16.7	15.1
72.5°	11.3	11.8	12.4	11.3	10.2
75°	8.6	8.6	8.1	7.0	6.5
77.5°	5.9	5.9	4.8	3.2	3.2
80°	3.8	3.8	2.7	1.1	1.1
82.5°	1.6	1.6	1.1	0.5	0.5
85°	0.5	0.5	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1310005

CATALOG NUMBER: P3SQAS05R709040DE010 E3SQCLDWW1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)