

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: P1317351

Luminaire Tested: P3SQAS17R709830DE010 E3SQCLDWW1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317351
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: P3SQAS17R709830DE010 E3SQCLDWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3SQCLDWW1MMS TR
Light Source: -
Ballast/Driver: -

Summary

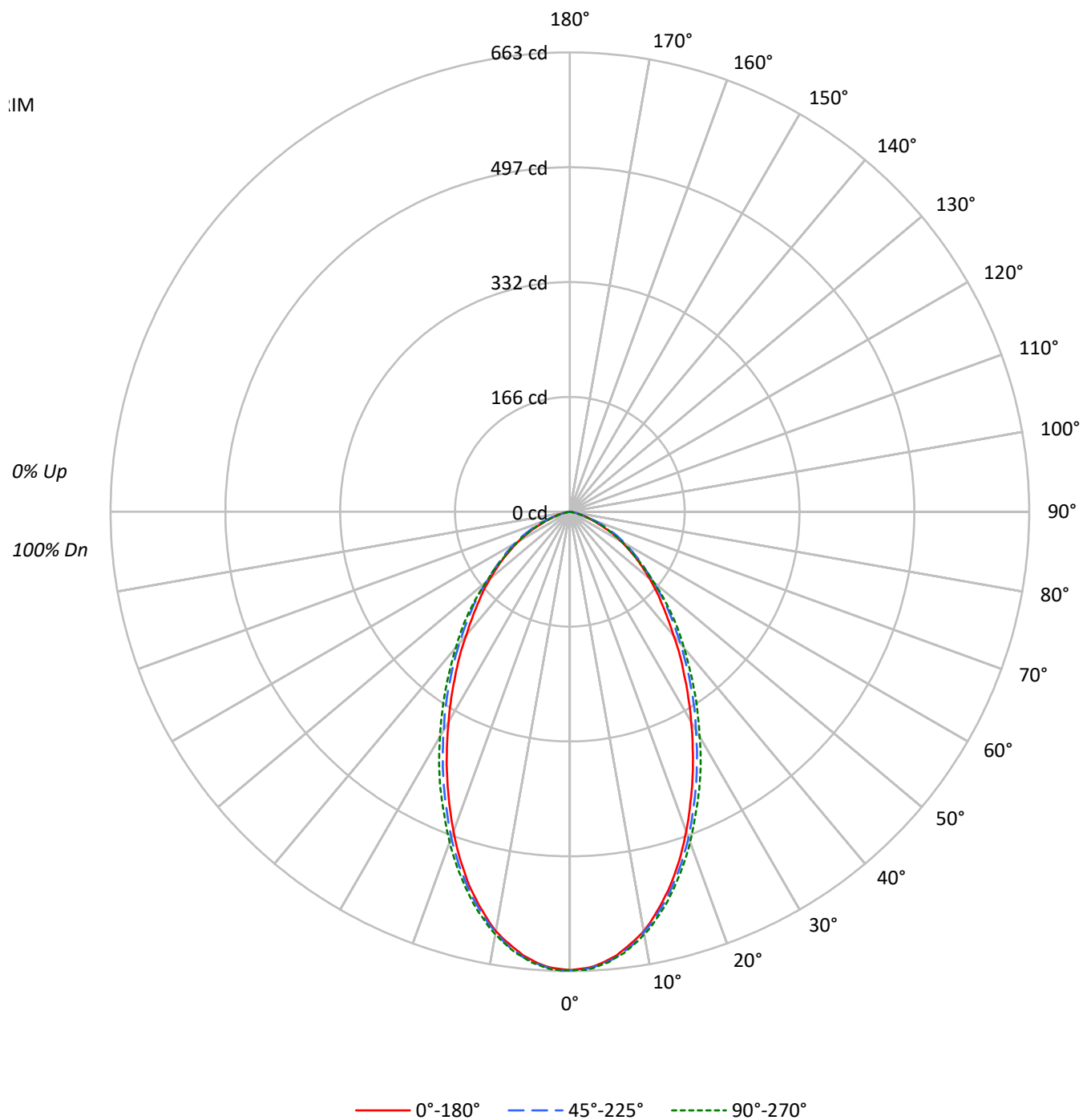
Lumens per Lamp: N/A
Luminaire Lumens: 946.9 lumens
Efficiency: N/A
Efficacy: 46.4 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 0.99
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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: P1317351

CATALOG NUMBER: P3SQAS17R709830DE010 E3SQCLDWW1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1317351

CATALOG NUMBER: P3SQAS17R709830DE010 E3SQCLDWW1MMS

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°	113925	113925	113925
5°	112130	112528	112735
10°	107463	107673	108285
15°	99722	100560	101398
20°	90007	91729	93031
25°	79716	81939	83954
30°	69623	72427	74535
35°	60530	63725	65702
40°	52293	55733	57577
45°	45789	48931	50368
50°	40297	42172	42172
55°	34920	36692	35641
60°	29553	31551	29932
65°	22984	26325	23921
70°	16567	19538	16567
75°	12510	11711	9382
80°	8133	5852	2281
85°	2371	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 50368 cd/sqm

TEST NUMBER: P1317351

CATALOG NUMBER: P3SQAS17R709830DE010 E3SQCLDWW1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.0	6.4
10°-20°	157.4	16.6
20°-30°	197.6	20.9
30°-40°	188.7	19.9
40°-50°	153.4	16.2
50°-60°	107.4	11.3
60°-70°	60.7	6.4
70°-80°	19.2	2.0
80°-90°	1.5	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°	416.0	43.9
0°-40°	604.8	63.9
0°-60°	865.6	91.4
0°-90°	946.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	946.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	662	662	662	662	662	
5°	649	650	651	650	652	61
15°	559	560	564	565	569	156
25°	420	424	431	438	442	192
35°	288	293	303	309	312	181
45°	188	193	201	204	207	146
55°	116	118	122	120	119	104
65°	56	60	65	61	59	57
75°	19	19	18	15	14	20
85°	1	1	0	0	0	2
90°	0	0	0	0	0	

TEST NUMBER: P1317351

CATALOG NUMBER: P3SQAS17R709830DE010 E3SQCLDWW1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	661.5	661.5	661.5	661.5	661.5
1°	660.3	661.5	662.7	660.3	661.5
2°	659.2	660.3	660.3	659.2	661.5
3°	656.8	658.0	658.0	656.8	659.2
4°	653.3	654.5	654.5	653.3	655.6
5°	648.6	649.8	650.9	649.8	652.1
6°	643.9	645.1	646.2	645.1	646.2
7°	636.8	639.2	639.2	639.2	641.5
8°	629.8	632.1	633.3	632.1	634.5
9°	622.7	623.9	625.1	625.1	627.4
10°	614.5	615.7	615.7	616.9	619.2
11°	605.1	605.1	607.5	607.5	611.0
12°	593.4	594.5	596.9	598.1	600.4
13°	582.8	584.0	586.3	587.5	591.0
14°	571.0	573.4	575.7	576.9	580.4
15°	559.3	560.5	564.0	565.2	568.7
17.5°	526.4	527.6	533.4	535.8	539.3
20°	491.1	494.7	500.5	504.1	507.6
22.5°	454.7	458.2	465.3	471.2	473.5
25°	419.5	424.2	431.2	438.3	441.8
27.5°	384.2	388.9	397.1	404.2	408.9
30°	350.1	354.8	364.2	370.1	374.8
32.5°	318.4	323.1	333.7	339.6	343.1
35°	287.9	292.6	303.1	309.0	312.5
37.5°	260.8	265.5	274.9	280.8	283.2
40°	232.6	238.5	247.9	253.8	256.1
42.5°	209.1	213.8	223.2	227.9	231.5
45°	188.0	192.7	200.9	204.4	206.8
47.5°	169.2	171.5	178.6	179.8	182.1
50°	150.4	152.7	157.4	158.6	157.4
52.5°	132.8	135.1	138.6	137.5	137.5
55°	116.3	117.5	122.2	119.8	118.7
57.5°	99.9	102.2	106.9	103.4	102.2
60°	85.8	88.1	91.6	89.3	86.9
62.5°	71.7	72.8	78.7	74.0	71.7
65°	56.4	59.9	64.6	61.1	58.7
67.5°	42.3	48.2	52.9	48.2	45.8
70°	32.9	35.2	38.8	36.4	32.9
72.5°	24.7	25.8	27.0	24.7	22.3
75°	18.8	18.8	17.6	15.3	14.1
77.5°	12.9	12.9	10.6	7.0	7.0
80°	8.2	8.2	5.9	2.3	2.3
82.5°	3.5	3.5	2.3	1.2	1.2
85°	1.2	1.2	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1317351

CATALOG NUMBER: P3SQAS17R709830DE010 E3SQCLDWW1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)