

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: P1316475

Luminaire Tested: P3SQAS17R709827DE010 E3SQCLDWW1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316475
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: P3SQAS17R709827DE010 E3SQCLDWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3SQCLDWW1MMS TR
Light Source: -
Ballast/Driver: -

Summary

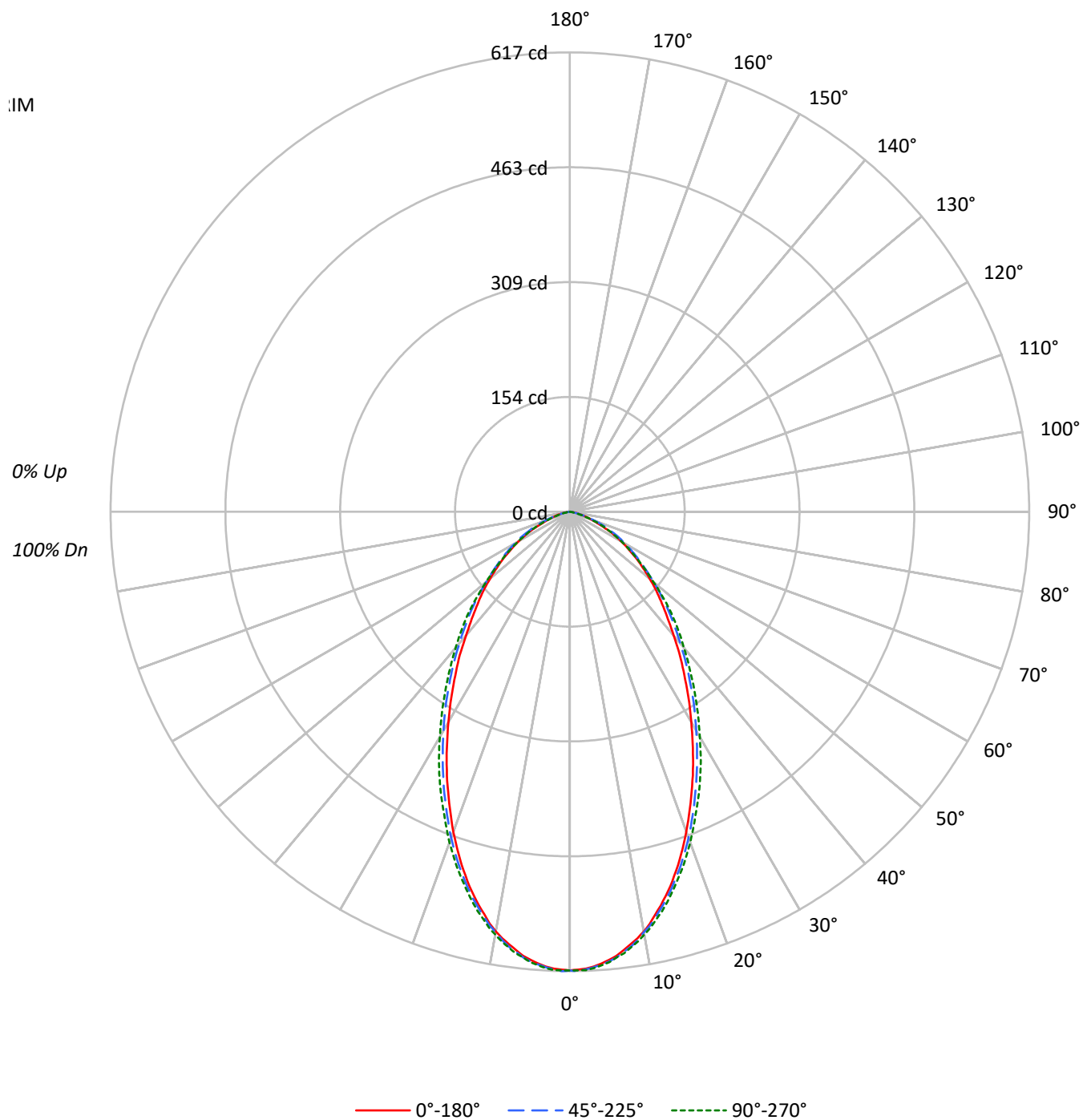
Lumens per Lamp: N/A
Luminaire Lumens: 882.0 lumens
Efficiency: N/A
Efficacy: 43.2 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 0.99
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1316475

CATALOG NUMBER: P3SQAS17R709827DE010 E3SQCLDWW1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1316475

CATALOG NUMBER: P3SQAS17R709827DE010 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°	106106	106106	106106
5°	104437	104800	104990
10°	100084	100276	100853
15°	92875	93660	94427
20°	83830	85443	86634
25°	74243	76315	78196
30°	64850	67455	69424
35°	56367	59352	61202
40°	48719	51911	53642
45°	42647	45570	46910
50°	37537	39279	39279
55°	32518	34170	33179
60°	27521	29416	27900
65°	21394	24532	22291
70°	15408	18178	15408
75°	11645	10913	8717
80°	7637	5455	2182
85°	2174	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 46910 cd/sqm

TEST NUMBER: P1316475

CATALOG NUMBER: P3SQAS17R709827DE010 E3SQCLDWW1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.8	6.4
10°-20°	146.6	16.6
20°-30°	184.0	20.9
30°-40°	175.8	19.9
40°-50°	142.9	16.2
50°-60°	100.0	11.3
60°-70°	56.5	6.4
70°-80°	17.9	2.0
80°-90°	1.4	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°	387.5	43.9
0°-40°	563.2	63.9
0°-60°	806.2	91.4
0°-90°	882.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	882.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	616	616	616	616	616	
5°	604	605	606	605	607	57
15°	521	522	525	526	530	145
25°	391	395	402	408	412	179
35°	268	272	282	288	291	168
45°	175	180	187	190	193	136
55°	108	109	114	112	110	97
65°	52	56	60	57	55	53
75°	18	18	16	14	13	19
85°	1	1	0	0	0	2
90°	0	0	0	0	0	

TEST NUMBER: P1316475

CATALOG NUMBER: P3SQAS17R709827DE010 E3SQCLDWW1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	616.1	616.1	616.1	616.1	616.1
1°	615.0	616.1	617.2	615.0	616.1
2°	613.9	615.0	615.0	613.9	616.1
3°	611.7	612.8	612.8	611.7	613.9
4°	608.4	609.5	609.5	608.4	610.6
5°	604.1	605.2	606.2	605.2	607.3
6°	599.7	600.8	601.9	600.8	601.9
7°	593.1	595.3	595.3	595.3	597.5
8°	586.6	588.7	589.8	588.7	590.9
9°	580.0	581.1	582.2	582.2	584.4
10°	572.3	573.4	573.4	574.5	576.7
11°	563.6	563.6	565.8	565.8	569.0
12°	552.6	553.7	555.9	557.0	559.2
13°	542.8	543.9	546.1	547.2	550.4
14°	531.8	534.0	536.2	537.3	540.6
15°	520.9	522.0	525.3	526.4	529.6
17.5°	490.3	491.3	496.8	499.0	502.3
20°	457.4	460.7	466.2	469.5	472.7
22.5°	423.5	426.8	433.3	438.8	441.0
25°	390.7	395.0	401.6	408.2	411.5
27.5°	357.8	362.2	369.9	376.4	380.8
30°	326.1	330.5	339.2	344.7	349.1
32.5°	296.6	300.9	310.8	316.3	319.5
35°	268.1	272.5	282.3	287.8	291.1
37.5°	242.9	247.3	256.1	261.5	263.7
40°	216.7	222.1	230.9	236.4	238.6
42.5°	194.8	199.2	207.9	212.3	215.6
45°	175.1	179.5	187.1	190.4	192.6
47.5°	157.6	159.8	166.3	167.4	169.6
50°	140.1	142.3	146.6	147.7	146.6
52.5°	123.7	125.8	129.1	128.0	128.0
55°	108.3	109.4	113.8	111.6	110.5
57.5°	93.0	95.2	99.6	96.3	95.2
60°	79.9	82.1	85.4	83.2	81.0
62.5°	66.8	67.8	73.3	68.9	66.8
65°	52.5	55.8	60.2	56.9	54.7
67.5°	39.4	44.9	49.2	44.9	42.7
70°	30.6	32.8	36.1	33.9	30.6
72.5°	23.0	24.1	25.2	23.0	20.8
75°	17.5	17.5	16.4	14.2	13.1
77.5°	12.0	12.0	9.8	6.6	6.6
80°	7.7	7.7	5.5	2.2	2.2
82.5°	3.3	3.3	2.2	1.1	1.1
85°	1.1	1.1	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1316475

CATALOG NUMBER: P3SQAS17R709827DE010 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)