

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: P1318082

Luminaire Tested: P3SQAS13R709835DE010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318082
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: P3SQAS13R709835DE010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

Summary

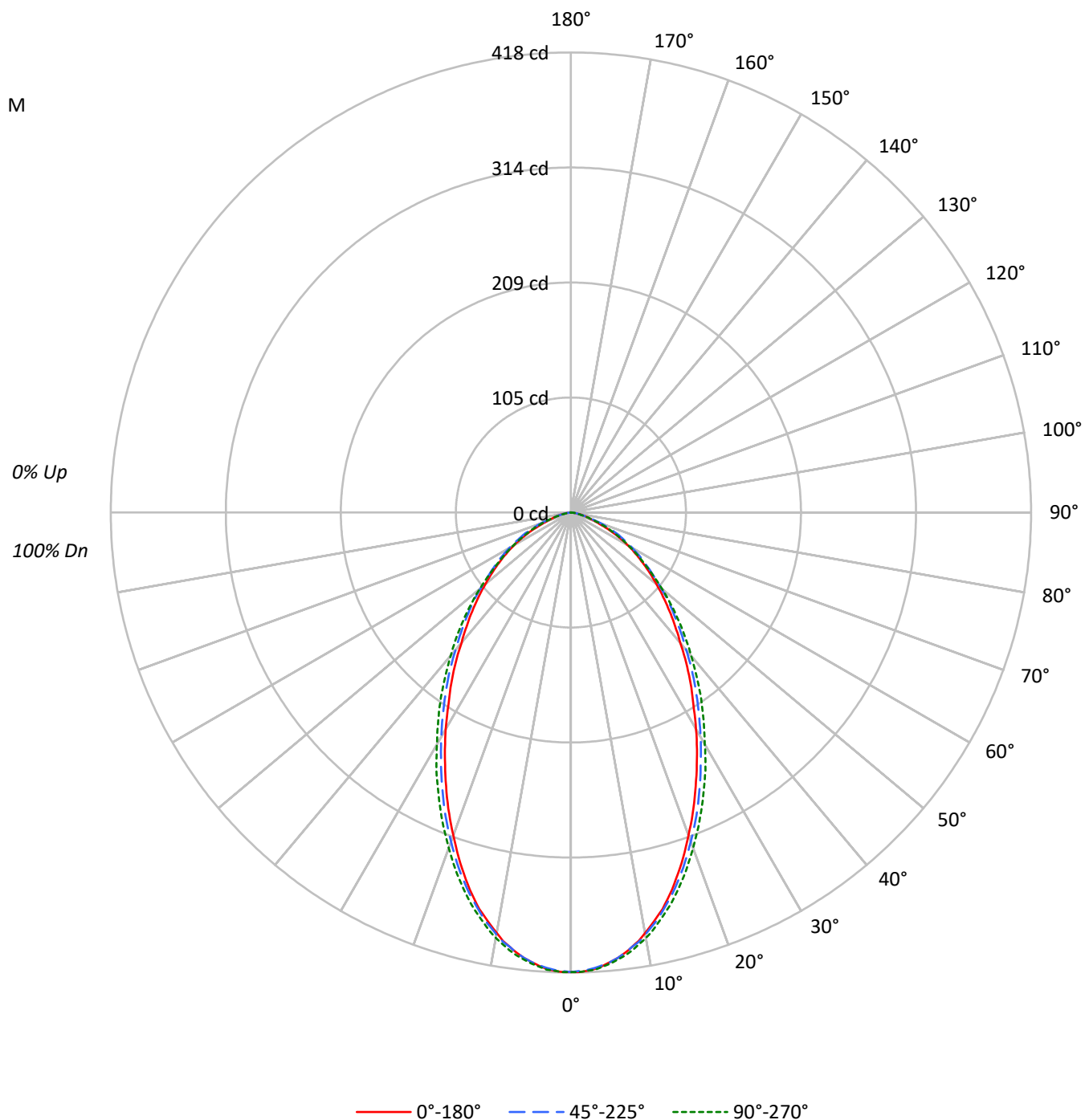
Lumens per Lamp: N/A
Luminaire Lumens: 627.0 lumens
Efficiency: N/A
Efficacy: 43.2 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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

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Luminous Intensity Polar Plot



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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°	71920	71920	71920
5°	70881	70881	71140
10°	67853	68116	68658
15°	63242	63777	64597
20°	57219	58337	59455
25°	51117	52561	54006
30°	45222	46873	48384
35°	39841	41586	43331
40°	34757	36623	38175
45°	30835	32491	33587
50°	27222	28642	29044
55°	23901	25252	24561
60°	20632	22182	21149
65°	16382	19153	17279
70°	11833	14905	12991
75°	9050	9582	8052
80°	6050	6050	4463
85°	2964	2964	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 33587 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.5	6.1
10°-20°	99.9	15.9
20°-30°	127.0	20.3
30°-40°	123.5	19.7
40°-50°	102.7	16.4
50°-60°	74.1	11.8
60°-70°	43.6	7.0
70°-80°	15.4	2.5
80°-90°	2.3	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°	265.4	42.3
0°-40°	388.9	62.0
0°-60°	565.7	90.2
0°-90°	627.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	627.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	418	418	418	418	418	
5°	410	409	410	410	412	38
15°	355	355	358	360	362	99
25°	269	272	277	282	284	124
35°	190	192	198	203	206	118
45°	127	129	133	136	138	98
55°	80	82	84	83	82	71
65°	40	43	47	45	42	40
75°	14	14	14	13	12	15
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	417.6	417.6	417.6	417.6	417.6
1°	417.6	416.8	416.8	416.8	417.6
2°	416.8	416.1	416.1	416.1	416.8
3°	415.3	414.5	414.5	414.5	416.1
4°	413.0	411.5	412.3	412.3	413.8
5°	410.0	409.2	410.0	410.0	411.5
6°	407.0	406.2	407.0	407.0	408.5
7°	403.2	402.4	403.2	403.9	405.4
8°	398.6	397.9	398.6	399.4	401.7
9°	394.1	393.3	394.8	395.6	397.1
10°	388.0	388.0	389.5	390.3	392.6
11°	382.0	382.0	383.5	385.0	387.3
12°	375.9	375.9	378.2	379.7	381.2
13°	369.8	369.1	371.3	372.9	375.1
14°	362.3	361.5	364.5	366.8	369.1
15°	354.7	354.7	357.7	360.0	362.3
17.5°	334.2	335.0	338.8	341.8	344.1
20°	312.2	314.5	318.3	322.1	324.4
22.5°	291.0	292.5	297.8	302.4	304.7
25°	269.0	272.1	276.6	281.9	284.2
27.5°	247.8	250.8	255.4	260.7	264.5
30°	227.4	229.6	235.7	241.0	243.3
32.5°	206.9	209.9	216.0	221.3	224.3
35°	189.5	191.7	197.8	203.1	206.1
37.5°	172.0	174.3	180.4	184.9	187.2
40°	154.6	158.4	162.9	167.5	169.8
42.5°	140.2	143.2	147.8	151.6	153.8
45°	126.6	128.8	133.4	136.4	137.9
47.5°	113.7	116.0	120.5	122.0	122.8
50°	101.6	103.8	106.9	107.6	108.4
52.5°	90.2	91.7	94.7	94.7	94.0
55°	79.6	81.8	84.1	83.4	81.8
57.5°	69.7	70.5	74.3	72.8	71.2
60°	59.9	61.4	64.4	62.9	61.4
62.5°	50.0	51.5	55.3	53.8	51.5
65°	40.2	43.2	47.0	44.7	42.4
67.5°	30.3	34.1	37.9	35.6	34.1
70°	23.5	26.5	29.6	27.3	25.8
72.5°	18.2	19.7	21.2	19.7	18.2
75°	13.6	14.4	14.4	12.9	12.1
77.5°	9.9	10.6	9.1	7.6	7.6
80°	6.1	6.8	6.1	4.5	4.5
82.5°	3.0	3.8	3.0	3.0	3.0
85°	1.5	1.5	1.5	1.5	1.5
87.5°	0.8	0.8	0.8	0.8	0.8



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)