

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: P1312776

Luminaire Tested: P3SQAS20R409727D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312776
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R409727D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

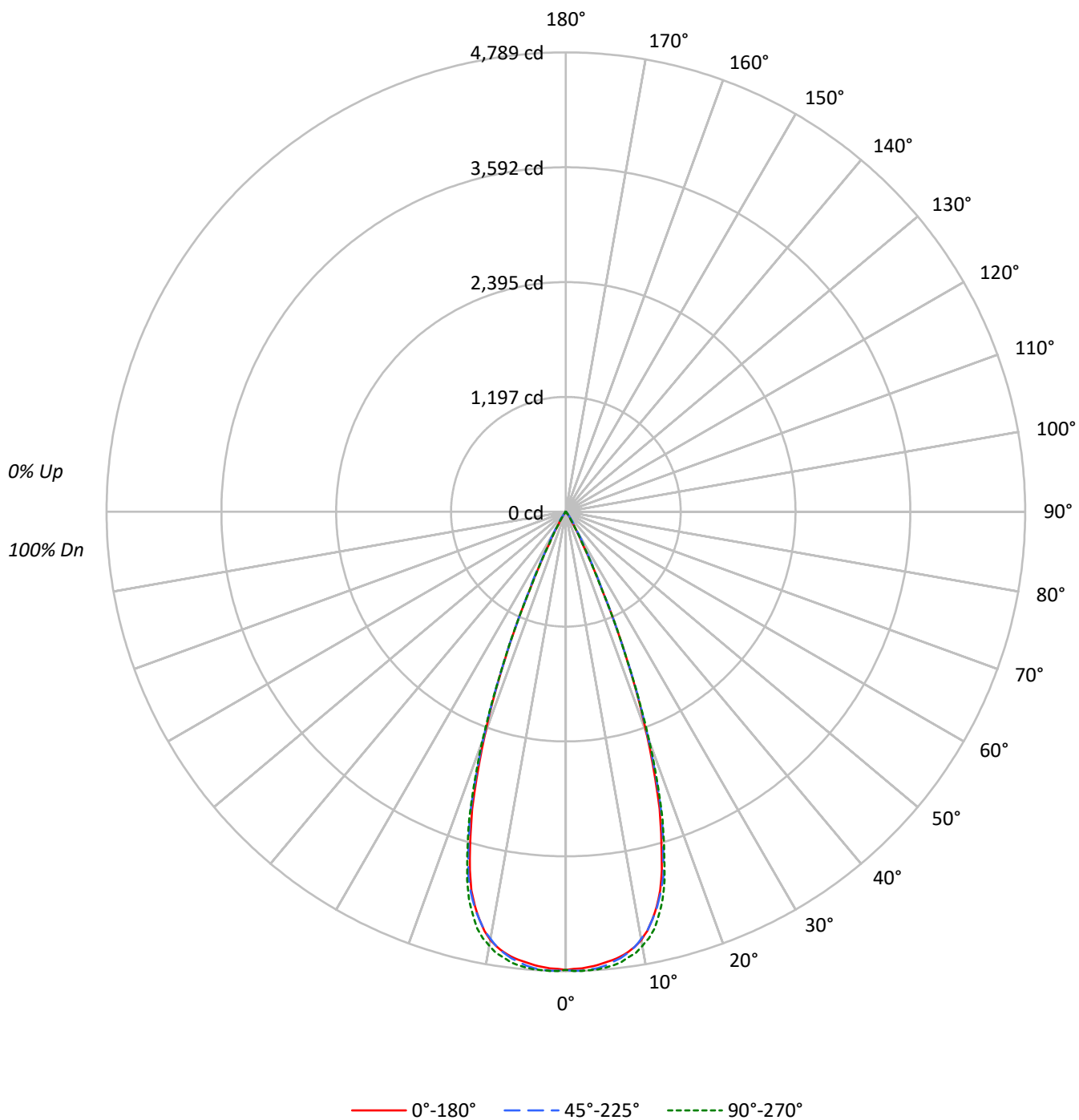
Lumens per Lamp: N/A
Luminaire Lumens: 2009.0 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92		
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89		
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	85		
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	82		
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79		
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	76		
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	73		
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	71		
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	69		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	822794	822794	822794
5°	815650	820785	824709
10°	792431	790945	803309
15°	689371	700462	709038
20°	452452	461268	467224
25°	161295	170701	160497
30°	35159	47549	35458
35°	11311	19637	10996
40°	3507	6048	3170
45°	341	2070	341
50°	0	375	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2070 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	446.8	22.2
10°-20°	1040.5	51.8
20°-30°	466.6	23.2
30°-40°	50.4	2.5
40°-50°	4.7	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1953.9	97.3
0°-40°	2004.3	99.8
0°-60°	2009.0	100.0
0°-90°	2009.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2009.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4778	4778	4778	4778	4778	
5°	4718	4731	4748	4755	4770	445
15°	3866	3895	3929	3951	3977	1027
25°	849	874	898	914	845	453
35°	54	62	93	61	52	42
45°	1	3	8	3	1	3
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4777.5	4777.5	4777.5	4777.5	4777.5
1°	4767.6	4777.5	4785.9	4778.9	4788.8
2°	4763.3	4774.6	4787.4	4780.3	4788.8
3°	4752.0	4766.1	4780.3	4776.0	4784.5
4°	4736.4	4747.7	4769.0	4769.0	4781.7
5°	4718.0	4730.8	4747.7	4754.8	4770.4
6°	4698.2	4705.3	4718.0	4732.2	4753.4
7°	4672.8	4672.8	4688.3	4702.5	4730.8
8°	4637.4	4634.6	4645.9	4664.3	4689.7
9°	4593.5	4583.6	4592.1	4619.0	4657.2
10°	4531.3	4522.8	4522.8	4556.8	4593.5
11°	4450.7	4447.8	4449.2	4481.8	4531.3
12°	4341.7	4344.6	4344.6	4381.3	4442.2
13°	4218.6	4217.2	4230.0	4271.0	4312.0
14°	4068.7	4077.2	4089.9	4126.7	4169.1
15°	3866.4	3894.7	3928.6	3951.3	3976.7
17.5°	3251.0	3279.3	3326.0	3344.4	3350.0
20°	2468.7	2509.7	2516.8	2553.5	2549.3
22.5°	1655.2	1652.4	1658.0	1662.3	1663.7
25°	848.8	874.3	898.3	913.9	844.6
27.5°	369.2	413.1	444.2	403.2	373.5
30°	176.8	200.9	239.1	202.3	178.3
32.5°	96.2	111.8	151.4	110.3	94.8
35°	53.8	62.2	93.4	60.8	52.3
37.5°	31.1	34.0	50.9	34.0	29.7
40°	15.6	19.8	26.9	19.8	14.1
42.5°	5.7	9.9	14.1	9.9	5.7
45°	1.4	2.8	8.5	2.8	1.4
47.5°	0.0	0.0	4.2	0.0	0.0
50°	0.0	0.0	1.4	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)