

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: P1316553

Luminaire Tested: P3SQAS20R359827D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316553
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359827D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

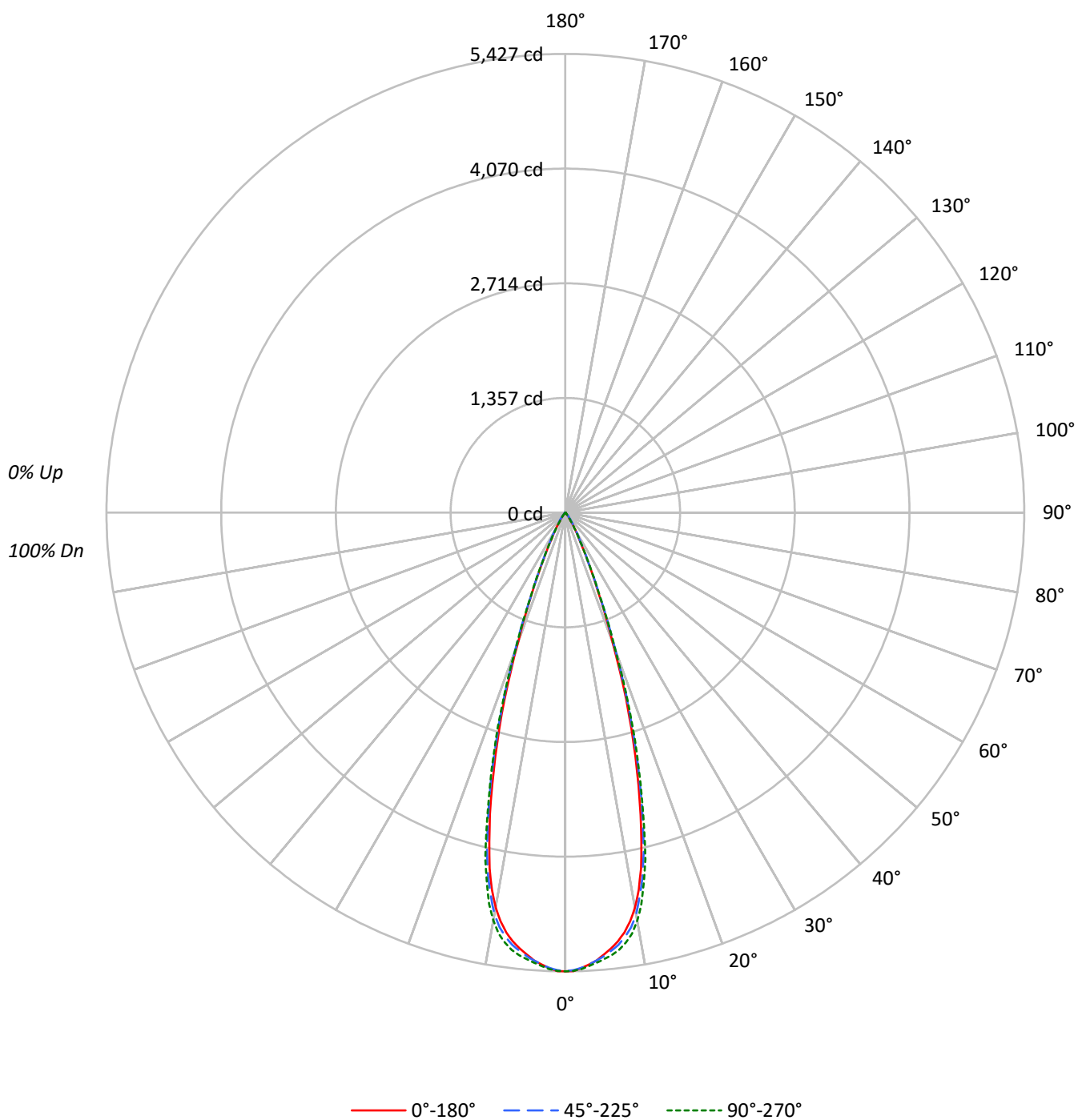
Lumens per Lamp: N/A
Luminaire Lumens: 1823.0 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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

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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	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97
3	107	102	98	95	105	101	97	95	98	96	93		96	94	92		94
4	103	98	94	91	102	97	93	90	95	92	89		93	90	88		91
5	100	94	90	86	99	93	89	86	91	88	85		90	87	85		89
6	97	90	86	83	96	90	86	83	88	85	82		87	84	82		86
7	94	87	83	80	93	87	82	79	85	82	79		84	81	79		83
8	91	84	80	77	90	84	79	77	83	79	76		82	78	76		81
9	88	81	77	74	88	81	77	74	80	76	74		79	76	74		79
10	86	79	75	72	85	78	74	72	78	74	71		77	74	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	934669	934669	934669
5°	907000	910199	916353
10°	829681	844108	857032
15°	595551	617357	623704
20°	299564	317030	317818
25°	113541	117056	117588
30°	46117	52898	45262
35°	16757	25419	16147
40°	7037	10881	6722
45°	1729	4506	1729
50°	1152	1902	1152
55°	1291	1291	1291
60°	1481	1481	1481
65°	1141	1141	1141
70°	705	705	705
75°	932	932	932
80°	1389	1389	1389
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 4506 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	490.7	26.9
10°-20°	914.1	50.1
20°-30°	328.8	18.0
30°-40°	69.1	3.8
40°-50°	11.9	0.7
50°-60°	3.9	0.2
60°-70°	2.8	0.2
70°-80°	1.5	0.1
80°-90°	0.2	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°	1733.6	95.1
0°-40°	1802.6	98.9
0°-60°	1818.5	99.8
0°-90°	1823.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1823.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5427	5427	5427	5427	5427	
5°	5246	5256	5265	5300	5300	486
15°	3340	3398	3462	3500	3498	889
25°	598	606	616	622	619	318
35°	80	94	121	92	77	61
45°	7	11	18	11	7	8
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5427.1	5427.1	5427.1	5427.1	5427.1
1°	5424.3	5424.3	5412.9	5425.7	5421.4
2°	5394.4	5397.2	5390.1	5405.8	5404.3
3°	5353.1	5360.2	5354.5	5377.3	5370.2
4°	5309.0	5314.7	5311.9	5340.3	5337.5
5°	5246.4	5256.4	5264.9	5300.5	5300.5
6°	5182.4	5192.4	5210.9	5249.3	5262.1
7°	5108.4	5121.2	5151.1	5202.3	5210.9
8°	5014.6	5028.8	5070.0	5125.5	5136.9
9°	4897.9	4919.2	4966.2	5033.0	5040.2
10°	4744.3	4761.3	4826.8	4882.3	4900.7
11°	4545.1	4559.3	4617.7	4707.3	4718.7
12°	4303.3	4320.3	4395.7	4454.1	4465.4
13°	3997.4	4030.1	4121.2	4178.1	4209.4
14°	3683.0	3727.1	3792.6	3873.7	3853.7
15°	3340.2	3398.5	3462.5	3499.5	3498.1
17.5°	2499.5	2533.6	2590.5	2611.8	2640.3
20°	1634.5	1678.6	1729.8	1749.8	1734.1
22.5°	1014.3	1025.7	1041.3	1049.9	1047.0
25°	597.5	606.0	616.0	621.7	618.8
27.5°	359.9	379.8	394.1	377.0	367.0
30°	231.9	240.4	266.0	243.3	227.6
32.5°	138.0	157.9	179.2	152.2	132.3
35°	79.7	93.9	120.9	92.5	76.8
37.5°	51.2	58.3	78.2	56.9	49.8
40°	31.3	39.8	48.4	37.0	29.9
42.5°	15.6	24.2	28.5	21.3	15.6
45°	7.1	11.4	18.5	11.4	7.1
47.5°	4.3	5.7	11.4	5.7	4.3
50°	4.3	4.3	7.1	4.3	4.3
52.5°	4.3	4.3	4.3	4.3	4.3
55°	4.3	4.3	4.3	4.3	4.3
57.5°	4.3	4.3	4.3	4.3	4.3
60°	4.3	4.3	4.3	4.3	4.3
62.5°	2.8	2.8	2.8	2.8	2.8
65°	2.8	2.8	2.8	2.8	2.8
67.5°	2.8	2.8	2.8	2.8	2.8
70°	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	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)