

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: P1316407

Luminaire Tested: P3SQAS17R359827DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316407  
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: P3SQAS17R359827DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

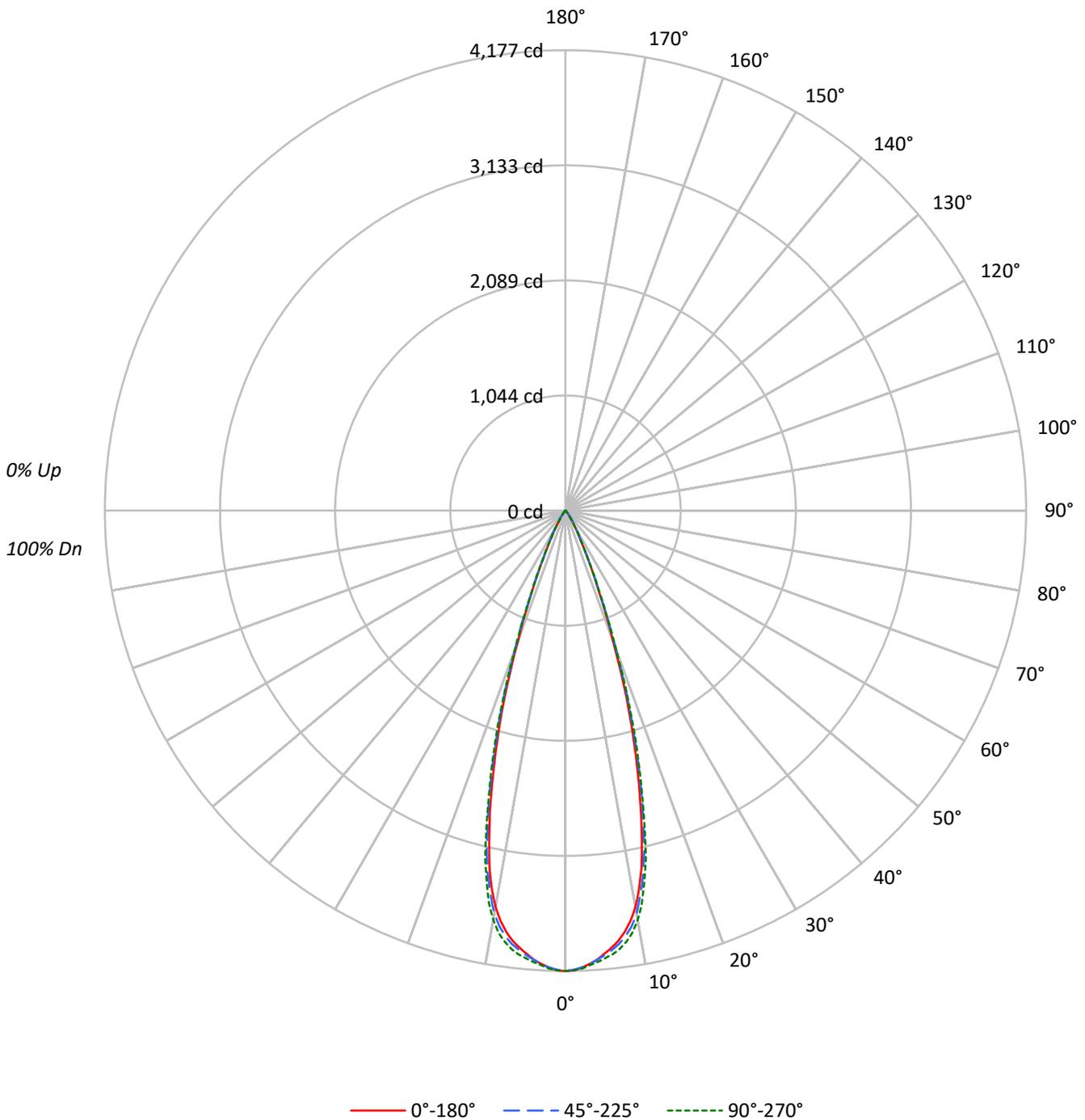
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1403.0 lumens  
Efficiency: N/A  
Efficacy: 68.8 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): 20.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	94	94	94	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	83	81	78	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	81	78	76	75
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	79	76	73	72
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	76	73	71	70

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	719322	719322	719322
5°	698040	700495	705231
10°	638520	649625	659593
15°	458333	475129	480014
20°	230561	243995	244599
25°	87374	90092	90491
30°	35498	40708	34841
35°	12888	19574	12425
40°	5418	8363	5171
45°	1340	3459	1340
50°	884	1474	884
55°	991	991	991
60°	1137	1137	1137
65°	897	897	897
70°	554	554	554
75°	732	732	732
80°	1091	1091	1091
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3459 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	377.6	26.9
10°-20°	703.5	50.1
20°-30°	253.0	18.0
30°-40°	53.2	3.8
40°-50°	9.2	0.7
50°-60°	3.0	0.2
60°-70°	2.2	0.2
70°-80°	1.2	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°	1334.2	95.1
0°-40°	1387.3	98.9
0°-60°	1399.5	99.7
0°-90°	1403.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1403.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4177	4177	4177	4177	4177	
5°	4038	4045	4052	4079	4079	374
15°	2571	2616	2665	2693	2692	684
25°	460	466	474	478	476	244
35°	61	72	93	71	59	47
45°	6	9	14	9	6	6
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4176.7	4176.7	4176.7	4176.7	4176.7
1°	4174.6	4174.6	4165.8	4175.7	4172.4
2°	4151.6	4153.8	4148.3	4160.3	4159.2
3°	4119.8	4125.3	4120.9	4138.4	4133.0
4°	4085.9	4090.3	4088.1	4110.0	4107.8
5°	4037.7	4045.4	4051.9	4079.3	4079.3
6°	3988.4	3996.1	4010.3	4039.9	4049.8
7°	3931.5	3941.4	3964.4	4003.8	4010.3
8°	3859.3	3870.2	3901.9	3944.6	3953.4
9°	3769.5	3785.9	3822.0	3873.5	3879.0
10°	3651.2	3664.4	3714.7	3757.4	3771.7
11°	3498.0	3508.9	3553.8	3622.8	3631.5
12°	3311.8	3325.0	3383.0	3427.9	3436.6
13°	3076.5	3101.6	3171.7	3215.5	3239.6
14°	2834.5	2868.4	2918.8	2981.2	2965.9
15°	2570.6	2615.5	2664.8	2693.3	2692.2
17.5°	1923.6	1949.9	1993.7	2010.1	2032.0
20°	1258.0	1291.9	1331.3	1346.6	1334.6
22.5°	780.6	789.4	801.4	808.0	805.8
25°	459.8	466.4	474.1	478.4	476.2
27.5°	277.0	292.3	303.3	290.1	282.5
30°	178.5	185.0	204.7	187.2	175.2
32.5°	106.2	121.5	137.9	117.1	101.8
35°	61.3	72.3	93.1	71.2	59.1
37.5°	39.4	44.9	60.2	43.8	38.3
40°	24.1	30.7	37.2	28.5	23.0
42.5°	12.0	18.6	21.9	16.4	12.0
45°	5.5	8.8	14.2	8.8	5.5
47.5°	3.3	4.4	8.8	4.4	3.3
50°	3.3	3.3	5.5	3.3	3.3
52.5°	3.3	3.3	3.3	3.3	3.3
55°	3.3	3.3	3.3	3.3	3.3
57.5°	3.3	3.3	3.3	3.3	3.3
60°	3.3	3.3	3.3	3.3	3.3
62.5°	2.2	2.2	2.2	2.2	2.2
65°	2.2	2.2	2.2	2.2	2.2
67.5°	2.2	2.2	2.2	2.2	2.2
70°	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	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)