

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: P1316390

Luminaire Tested: P3SQAS17R309827DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316390  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R309827DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

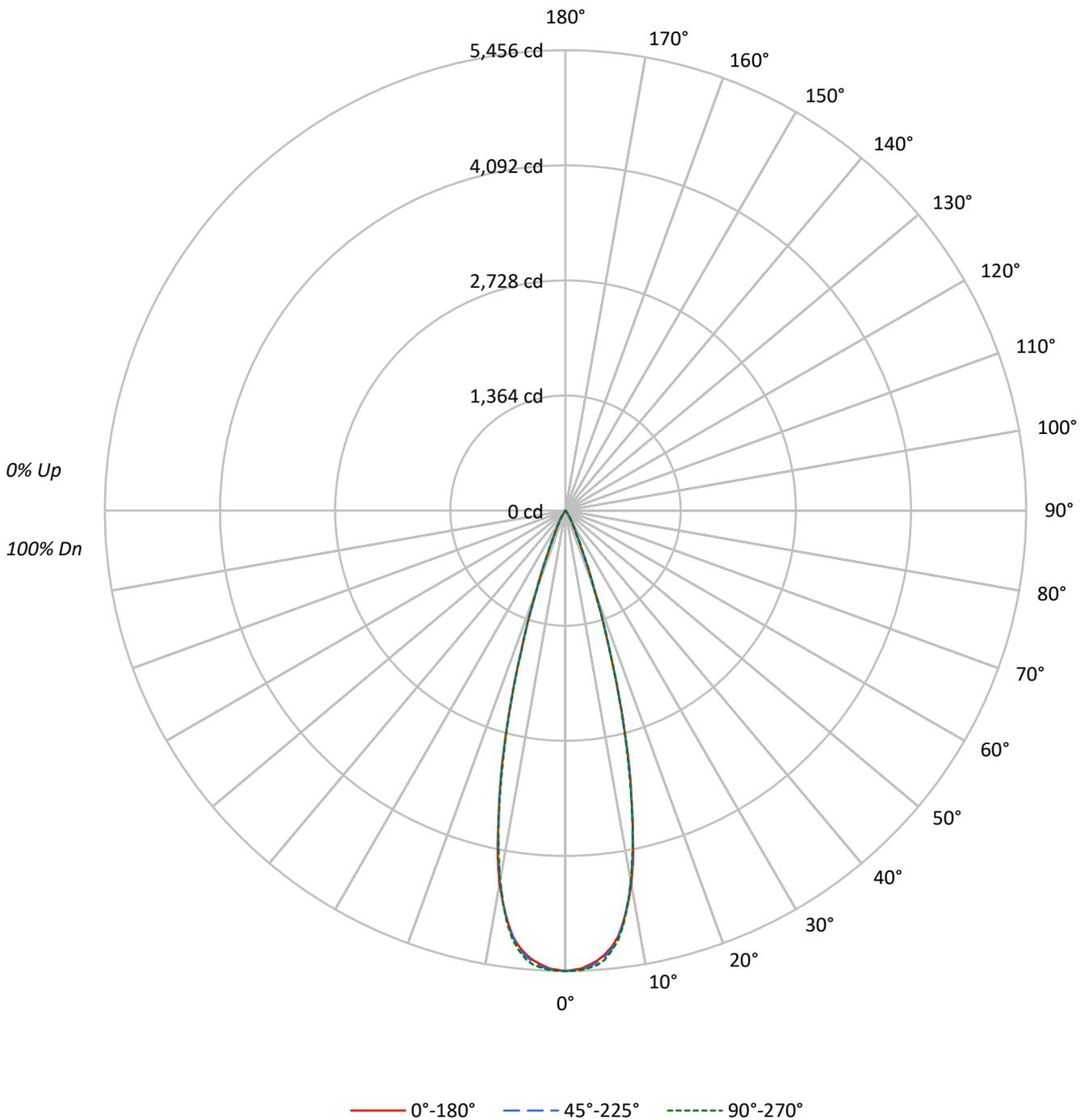
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1419.0 lumens  
Efficiency: N/A  
Efficacy: 69.6 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
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	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	75	74

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

	0°	45°	90°
0°	939647	939647	939647
5°	913915	917874	923562
10°	785873	779175	779927
15°	482884	478980	479372
20°	183789	184174	180765
25°	58452	61569	58661
30°	23506	29174	24162
35°	7590	12888	7590
40°	3440	5665	3440
45°	1340	2411	1340
50°	589	1179	589
55°	661	661	661
60°	758	758	758
65°	448	448	448
70°	554	554	554
75°	732	732	732
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2411 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	481.3	33.9
10°-20°	714.0	50.3
20°-30°	177.4	12.5
30°-40°	35.4	2.5
40°-50°	6.5	0.5
50°-60°	2.0	0.1
60°-70°	1.5	0.1
70°-80°	1.0	0.1
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°	1372.6	96.7
0°-40°	1408.0	99.2
0°-60°	1416.5	99.8
0°-90°	1419.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1419.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5456	5456	5456	5456	5456	
5°	5286	5304	5309	5317	5342	481
15°	2708	2714	2686	2695	2689	717
25°	308	314	324	320	309	172
35°	36	47	61	46	36	29
45°	6	7	10	8	6	5
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
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°	5456.0	5456.0	5456.0	5456.0	5456.0
1°	5444.0	5450.6	5454.9	5454.9	5454.9
2°	5428.7	5433.0	5439.6	5440.7	5449.5
3°	5392.5	5402.4	5413.3	5419.9	5424.3
4°	5348.8	5361.9	5368.5	5384.9	5399.1
5°	5286.4	5303.9	5309.3	5317.0	5342.2
6°	5202.1	5215.2	5226.1	5229.4	5244.8
7°	5090.4	5097.0	5094.8	5100.3	5127.6
8°	4920.7	4922.9	4941.5	4929.5	4948.1
9°	4719.3	4710.5	4706.2	4714.9	4716.0
10°	4493.8	4464.2	4455.5	4447.8	4459.8
11°	4201.5	4163.2	4166.5	4164.3	4146.8
12°	3838.1	3833.7	3805.2	3810.7	3837.0
13°	3466.9	3474.6	3469.1	3475.7	3446.1
14°	3118.8	3081.6	3091.5	3054.2	3068.5
15°	2708.3	2713.8	2686.4	2695.2	2688.6
17.5°	1734.0	1746.1	1737.3	1729.6	1741.7
20°	1002.8	1001.7	1004.9	995.1	986.3
22.5°	527.7	535.3	545.2	546.3	552.8
25°	307.6	314.2	324.0	319.7	308.7
27.5°	188.3	200.3	215.7	204.7	191.6
30°	118.2	128.1	146.7	129.2	121.5
32.5°	66.8	81.0	96.3	81.0	66.8
35°	36.1	47.1	61.3	46.0	36.1
37.5°	24.1	27.4	40.5	27.4	24.1
40°	15.3	18.6	25.2	18.6	15.3
42.5°	8.8	12.0	14.2	12.0	8.8
45°	5.5	6.6	9.9	7.7	5.5
47.5°	2.2	3.3	6.6	3.3	3.3
50°	2.2	2.2	4.4	2.2	2.2
52.5°	2.2	2.2	2.2	2.2	2.2
55°	2.2	2.2	2.2	2.2	2.2
57.5°	2.2	2.2	2.2	2.2	2.2
60°	2.2	2.2	2.2	2.2	2.2
62.5°	2.2	2.2	2.2	2.2	2.2
65°	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
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°	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)