

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: P1315694

Luminaire Tested: P3SQAS20R409740D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315694
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R409740D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

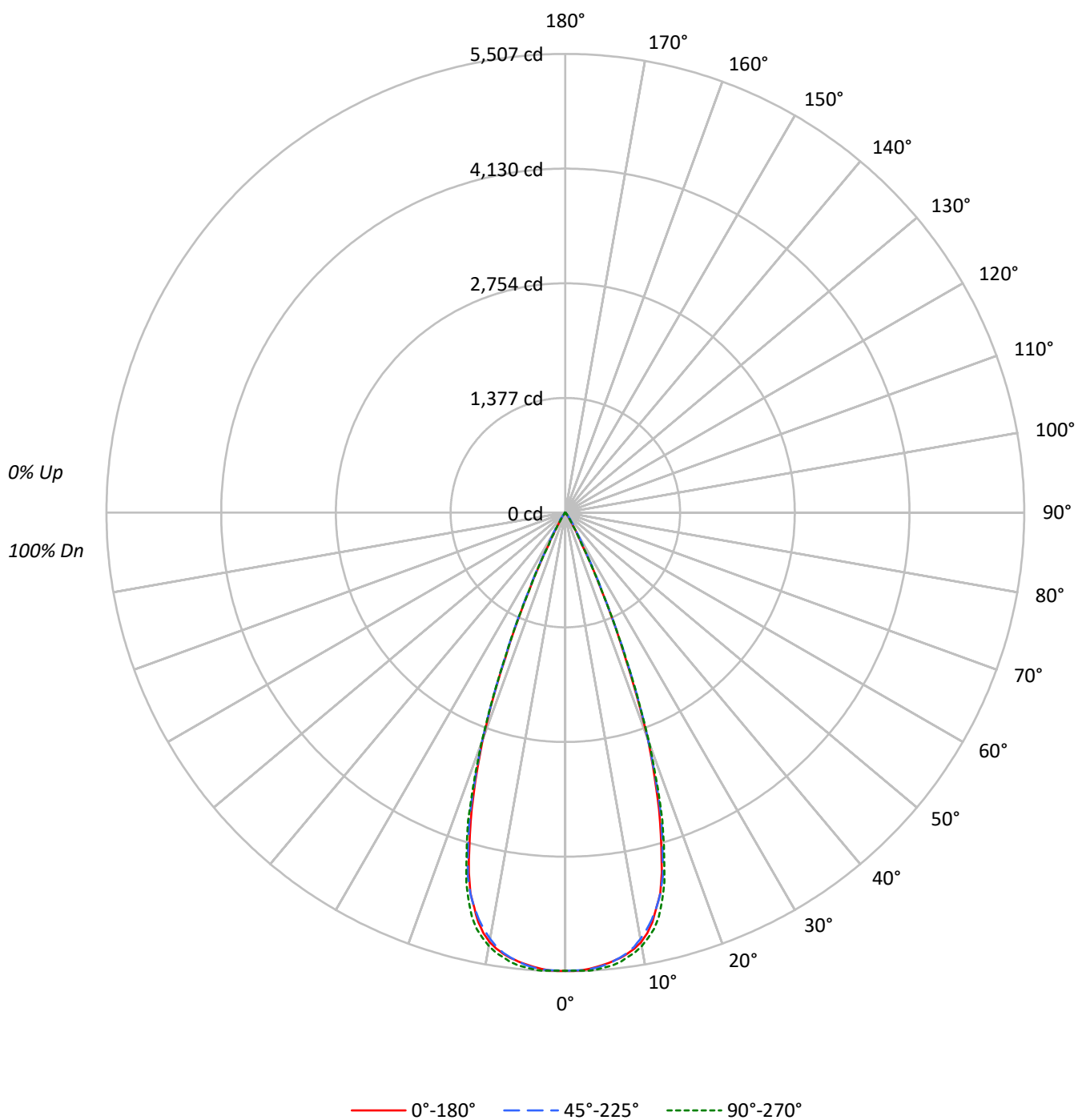
Lumens per Lamp: N/A
Luminaire Lumens: 2328.0 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	947328	947328	947328
5°	941040	942458	947541
10°	915564	908691	923871
15°	797723	805907	818459
20°	531371	534065	539160
25°	193181	199091	194112
30°	41026	55026	41026
35°	14465	24430	13771
40°	5148	7734	5148
45°	1193	3191	1193
50°	884	1313	884
55°	991	991	991
60°	1137	1137	1137
65°	652	1345	652
70°	806	806	806
75°	1065	1065	1065
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3191 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	514.0	22.1
10°-20°	1197.8	51.5
20°-30°	539.1	23.2
30°-40°	61.3	2.6
40°-50°	8.8	0.4
50°-60°	3.0	0.1
60°-70°	2.5	0.1
70°-80°	1.5	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°	2250.8	96.7
0°-40°	2312.2	99.3
0°-60°	2324.0	99.8
0°-90°	2328.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2328.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5501	5501	5501	5501	5501	
5°	5443	5437	5452	5476	5481	514
15°	4474	4486	4520	4556	4590	1188
25°	1017	1023	1048	1048	1022	526
35°	69	77	116	74	66	51
45°	5	8	13	8	5	6
55°	3	3	3	3	3	3
65°	2	3	3	3	2	2
75°	2	2	2	2	2	1
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°	5500.6	5500.6	5500.6	5500.6	5500.6
1°	5503.9	5498.9	5497.3	5507.1	5498.9
2°	5498.9	5495.7	5497.3	5507.1	5500.6
3°	5484.2	5485.8	5490.8	5508.8	5507.1
4°	5466.2	5464.6	5474.4	5497.3	5497.3
5°	5443.3	5436.7	5451.5	5476.0	5480.9
6°	5417.1	5408.9	5420.4	5451.5	5462.9
7°	5387.6	5371.3	5381.1	5418.7	5433.5
8°	5348.3	5327.1	5338.5	5376.2	5387.6
9°	5299.2	5266.5	5276.3	5322.1	5345.1
10°	5235.4	5194.5	5196.1	5246.8	5282.9
11°	5145.3	5099.5	5101.1	5165.0	5202.6
12°	5025.8	4984.9	4993.1	5052.0	5112.6
13°	4863.8	4852.3	4862.1	4926.0	4981.6
14°	4706.6	4695.1	4713.1	4772.1	4798.3
15°	4474.1	4485.6	4520.0	4556.0	4590.4
17.5°	3737.5	3781.7	3822.6	3847.1	3876.6
20°	2899.3	2848.5	2914.0	2884.5	2941.8
22.5°	1871.2	1908.8	1925.2	1908.8	1915.4
25°	1016.6	1023.2	1047.7	1047.7	1021.5
27.5°	432.2	466.6	497.7	486.2	432.2
30°	206.3	237.4	276.7	239.0	206.3
32.5°	116.2	137.5	178.4	134.2	113.0
35°	68.8	76.9	116.2	73.7	65.5
37.5°	40.9	42.6	63.8	44.2	39.3
40°	22.9	27.8	34.4	27.8	22.9
42.5°	11.5	16.4	21.3	16.4	11.5
45°	4.9	8.2	13.1	8.2	4.9
47.5°	4.9	4.9	8.2	4.9	4.9
50°	3.3	3.3	4.9	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°	3.3	3.3	3.3	3.3	3.3
65°	1.6	3.3	3.3	3.3	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6
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)