

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: P1316542

Luminaire Tested: P3SQAS20R309827D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316542
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309827D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

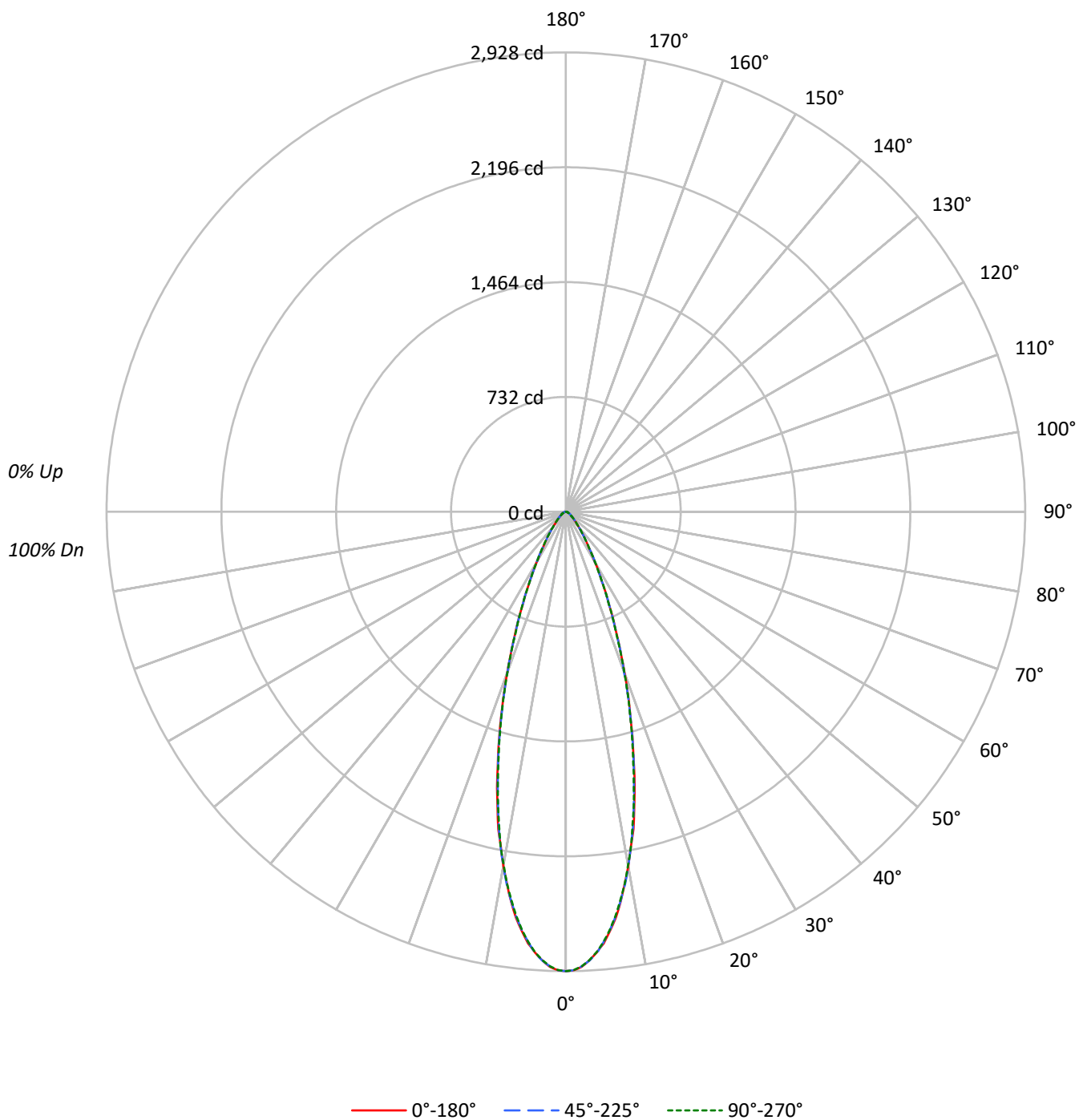
Lumens per Lamp: N/A
Luminaire Lumens: 1286.0 lumens
Efficiency: N/A
Efficacy: 46.9 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	504302	504302	504302
5°	477461	476217	475975
10°	401104	401104	399617
15°	298845	298079	296313
20°	200009	198964	199239
25°	123289	123023	123555
30°	74137	74137	74415
35°	45476	45476	45770
40°	28800	28800	29429
45°	19753	20094	20094
50°	14495	14495	14495
55°	11110	11530	11530
60°	9300	9300	9817
65°	8110	8110	8110
70°	7150	7906	7906
75°	6654	6654	6654
80°	5653	5653	5653
85°	2766	2766	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 20094 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.2	19.3
10°-20°	458.3	35.6
20°-30°	304.7	23.7
30°-40°	140.9	11.0
40°-50°	65.4	5.1
50°-60°	34.9	2.7
60°-70°	20.4	1.6
70°-80°	10.8	0.8
80°-90°	2.3	0.2
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°	1011.3	78.6
0°-40°	1152.1	89.6
0°-60°	1252.5	97.4
0°-90°	1286.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1286.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2928	2928	2928	2928	2928	
5°	2762	2756	2755	2762	2753	248
15°	1676	1682	1672	1672	1662	460
25°	649	647	647	647	650	305
35°	216	215	216	218	218	140
45°	81	81	82	82	82	65
55°	37	38	38	38	38	34
65°	20	20	20	20	20	20
75°	10	10	10	10	10	11
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2928.2	2928.2	2928.2	2928.2	2928.2
1°	2922.5	2919.7	2922.5	2926.8	2921.1
2°	2902.6	2899.8	2899.8	2905.5	2899.8
3°	2864.2	2867.0	2865.6	2871.3	2861.4
4°	2815.8	2814.4	2820.1	2822.9	2814.4
5°	2761.8	2756.1	2754.6	2761.8	2753.2
6°	2687.8	2683.5	2680.7	2689.2	2677.8
7°	2608.1	2605.2	2601.0	2603.8	2595.3
8°	2509.9	2508.5	2505.6	2508.5	2498.5
9°	2400.3	2400.3	2406.0	2404.6	2398.9
10°	2293.6	2296.5	2293.6	2296.5	2285.1
11°	2174.1	2174.1	2177.0	2175.5	2177.0
12°	2070.2	2058.9	2056.0	2053.2	2044.6
13°	1936.5	1928.0	1925.1	1928.0	1923.7
14°	1814.1	1808.4	1794.2	1797.1	1791.4
15°	1676.1	1681.8	1671.8	1671.8	1661.9
17.5°	1370.2	1364.5	1367.4	1368.8	1364.5
20°	1091.3	1088.5	1085.6	1082.8	1087.1
22.5°	848.0	849.4	846.6	843.8	840.9
25°	648.8	647.4	647.4	647.4	650.2
27.5°	492.3	492.3	492.3	493.7	493.7
30°	372.8	369.9	372.8	374.2	374.2
32.5°	278.9	281.7	283.1	283.1	283.1
35°	216.3	214.9	216.3	217.7	217.7
37.5°	165.1	165.1	166.5	166.5	167.9
40°	128.1	128.1	128.1	129.5	130.9
42.5°	101.0	101.0	102.4	102.4	103.9
45°	81.1	81.1	82.5	82.5	82.5
47.5°	65.5	65.5	66.9	66.9	66.9
50°	54.1	54.1	54.1	54.1	54.1
52.5°	45.5	44.1	45.5	45.5	45.5
55°	37.0	38.4	38.4	38.4	38.4
57.5°	31.3	32.7	32.7	32.7	32.7
60°	27.0	27.0	27.0	28.5	28.5
62.5°	22.8	24.2	24.2	24.2	24.2
65°	19.9	19.9	19.9	19.9	19.9
67.5°	17.1	17.1	17.1	17.1	18.5
70°	14.2	14.2	15.7	15.7	15.7
72.5°	12.8	12.8	12.8	12.8	12.8
75°	10.0	10.0	10.0	10.0	10.0
77.5°	7.1	7.1	8.5	8.5	7.1
80°	5.7	5.7	5.7	5.7	5.7
82.5°	4.3	4.3	4.3	4.3	4.3
85°	1.4	1.4	1.4	1.4	1.4
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)