

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: P1316579

Luminaire Tested: P3SQAS20R459827D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316579
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R459827D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

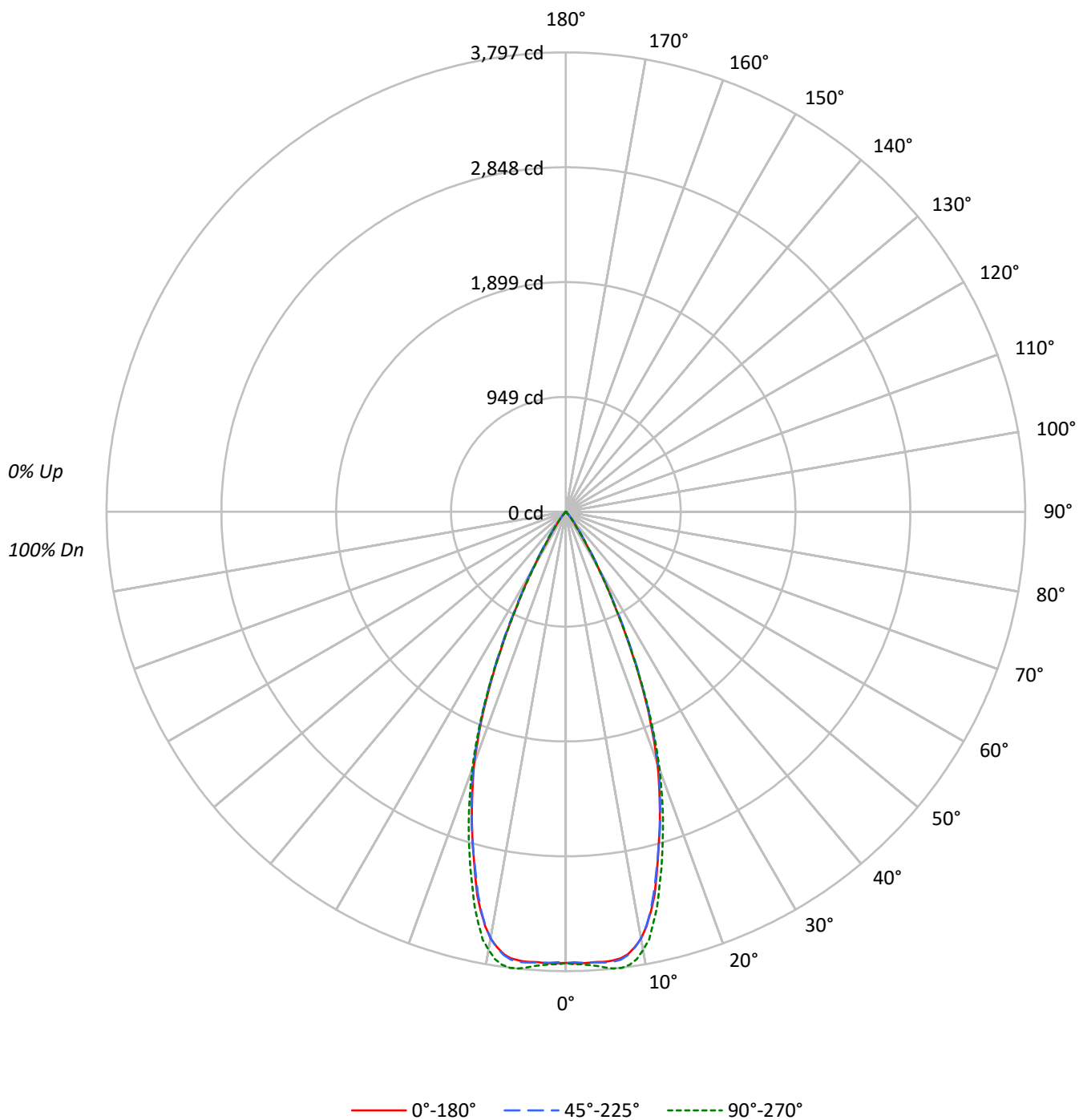
Lumens per Lamp: N/A
Luminaire Lumens: 1929.9 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	94	93
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91	90	89
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	86	85	84
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	82	81	80
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79	78	77
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	75	74	73
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	72	71	70
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	69	68	67
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	66	65	64
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	63	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	642218	642218	642218
5°	645415	646642	654024
10°	626261	625754	643172
15°	524856	524588	543880
20°	405735	409914	415651
25°	248726	253876	249277
30°	106671	111484	103271
35°	33492	40388	32609
40°	11511	14703	11196
45°	2070	6235	1729
50°	1152	2277	1152
55°	1291	1291	1291
60°	964	964	964
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: 6235 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.4	18.4
10°-20°	818.9	42.4
20°-30°	599.6	31.1
30°-40°	132.5	6.9
40°-50°	16.2	0.8
50°-60°	3.8	0.2
60°-70°	2.7	0.1
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°	1773.0	91.9
0°-40°	1905.5	98.7
0°-60°	1925.5	99.8
0°-90°	1929.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1929.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3729	3729	3729	3729	3729	
5°	3733	3730	3740	3767	3783	353
15°	2944	2928	2942	3013	3050	812
25°	1309	1308	1336	1326	1312	593
35°	159	168	192	168	155	126
45°	8	14	26	14	7	12
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	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3729.0	3729.0	3729.0	3729.0	3729.0
1°	3731.9	3726.2	3724.8	3734.7	3741.8
2°	3734.7	3727.6	3729.0	3739.0	3743.3
3°	3731.9	3724.8	3731.9	3746.1	3751.8
4°	3730.4	3727.6	3734.7	3754.6	3764.6
5°	3733.3	3730.4	3740.4	3767.4	3783.1
6°	3729.0	3724.8	3739.0	3773.1	3795.9
7°	3719.1	3714.8	3730.4	3771.7	3797.3
8°	3692.0	3683.5	3699.1	3750.4	3781.7
9°	3643.7	3632.3	3647.9	3707.7	3744.7
10°	3581.1	3568.3	3578.2	3636.5	3677.8
11°	3491.4	3474.4	3485.7	3548.3	3602.4
12°	3377.6	3353.4	3367.6	3438.8	3477.2
13°	3253.8	3231.1	3233.9	3297.9	3352.0
14°	3100.2	3070.3	3083.1	3150.0	3192.6
15°	2943.7	2928.0	2942.2	3013.4	3050.4
17.5°	2585.1	2583.7	2596.5	2649.2	2669.1
20°	2213.8	2218.1	2236.6	2265.0	2267.9
22.5°	1774.2	1775.6	1795.5	1815.4	1811.2
25°	1308.9	1307.5	1336.0	1326.0	1311.8
27.5°	867.9	873.6	899.2	880.7	866.5
30°	536.4	547.8	560.6	537.8	519.3
32.5°	290.2	308.7	327.2	307.3	288.8
35°	159.3	167.9	192.1	167.9	155.1
37.5°	92.5	96.7	112.4	96.7	88.2
40°	51.2	58.3	65.4	58.3	49.8
42.5°	21.3	32.7	39.8	32.7	21.3
45°	8.5	14.2	25.6	14.2	7.1
47.5°	4.3	5.7	15.7	5.7	4.3
50°	4.3	4.3	8.5	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°	2.8	2.8	2.8	4.3	2.8
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	2.8	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°	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)