

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: P1316595

Luminaire Tested: P3SQAS20R559827D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316595
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R559827D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 98CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

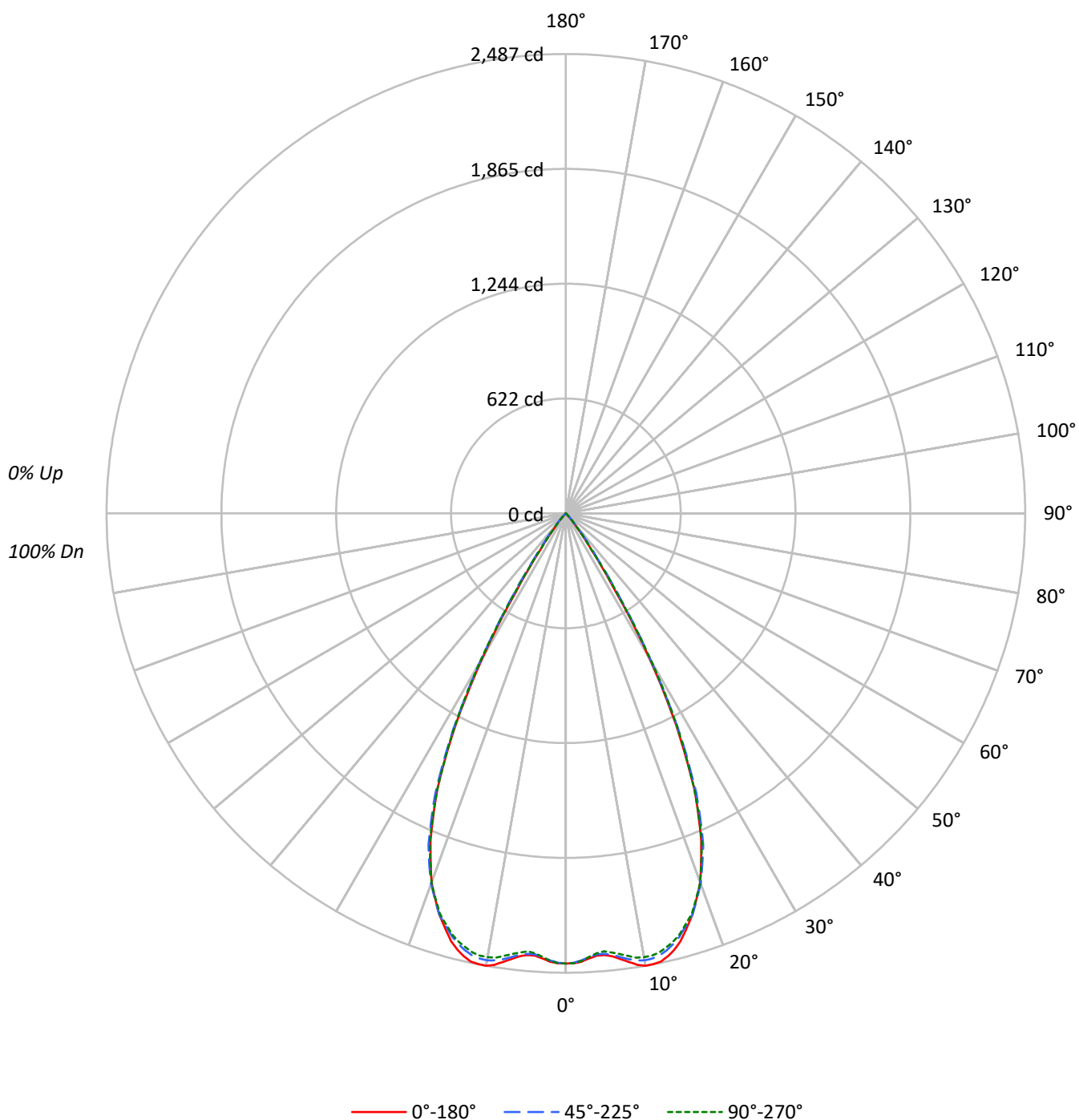
Lumens per Lamp: N/A
Luminaire Lumens: 1853.0 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	419758	419758	419758
5°	414965	413738	411525
10°	434943	429731	426741
15°	427719	423155	421639
20°	389589	391165	389864
25°	312556	317421	312556
30°	179397	183911	185343
35°	51153	61623	52645
40°	13107	18862	13444
45°	1388	6576	1047
50°	0	1152	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 6576 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.4	12.5
10°-20°	660.4	35.6
20°-30°	727.3	39.3
30°-40°	217.1	11.7
40°-50°	16.7	0.9
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	1619.1	87.4
0°-40°	1836.2	99.1
0°-60°	1853.0	100.0
0°-90°	1853.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1853.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2437	2437	2437	2437	2437	
5°	2400	2396	2393	2383	2380	233
15°	2399	2382	2373	2363	2365	665
25°	1645	1645	1670	1668	1645	720
35°	243	259	293	268	250	201
45°	6	14	27	14	4	11
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	2437.3	2437.3	2437.3	2437.3	2437.3
1°	2435.9	2435.9	2433.1	2431.6	2435.9
2°	2428.8	2428.8	2421.7	2420.3	2424.5
3°	2413.1	2411.7	2406.0	2401.8	2404.6
4°	2400.3	2397.5	2393.2	2386.1	2387.5
5°	2400.3	2396.1	2393.2	2383.3	2380.4
6°	2411.7	2408.9	2403.2	2393.2	2390.4
7°	2431.6	2426.0	2420.3	2407.5	2404.6
8°	2453.0	2448.7	2437.3	2424.5	2418.8
9°	2474.3	2464.4	2450.1	2437.3	2435.9
10°	2487.1	2472.9	2457.3	2441.6	2440.2
11°	2485.7	2472.9	2454.4	2440.2	2438.8
12°	2480.0	2461.5	2445.9	2428.8	2430.2
13°	2460.1	2443.0	2427.4	2414.6	2411.7
14°	2433.1	2417.4	2403.2	2390.4	2391.8
15°	2398.9	2381.8	2373.3	2363.3	2364.8
17.5°	2278.0	2273.7	2278.0	2266.6	2270.9
20°	2125.7	2121.5	2134.3	2128.6	2127.2
22.5°	1913.7	1919.4	1943.6	1936.5	1923.7
25°	1644.8	1644.8	1670.4	1667.6	1644.8
27.5°	1294.8	1304.7	1320.4	1327.5	1310.4
30°	902.1	924.8	924.8	939.1	932.0
32.5°	503.7	552.1	563.4	570.6	542.1
35°	243.3	259.0	293.1	267.5	250.4
37.5°	116.7	123.8	157.9	128.1	119.5
40°	58.3	66.9	83.9	69.7	59.8
42.5°	24.2	35.6	44.1	35.6	24.2
45°	5.7	14.2	27.0	14.2	4.3
47.5°	0.0	1.4	12.8	2.8	0.0
50°	0.0	0.0	4.3	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
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)