

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: P1316524

Luminaire Tested: P3SQAS20R259827D010 E3SQPHL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316524
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259827D010 E3SQPHL1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQPHL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

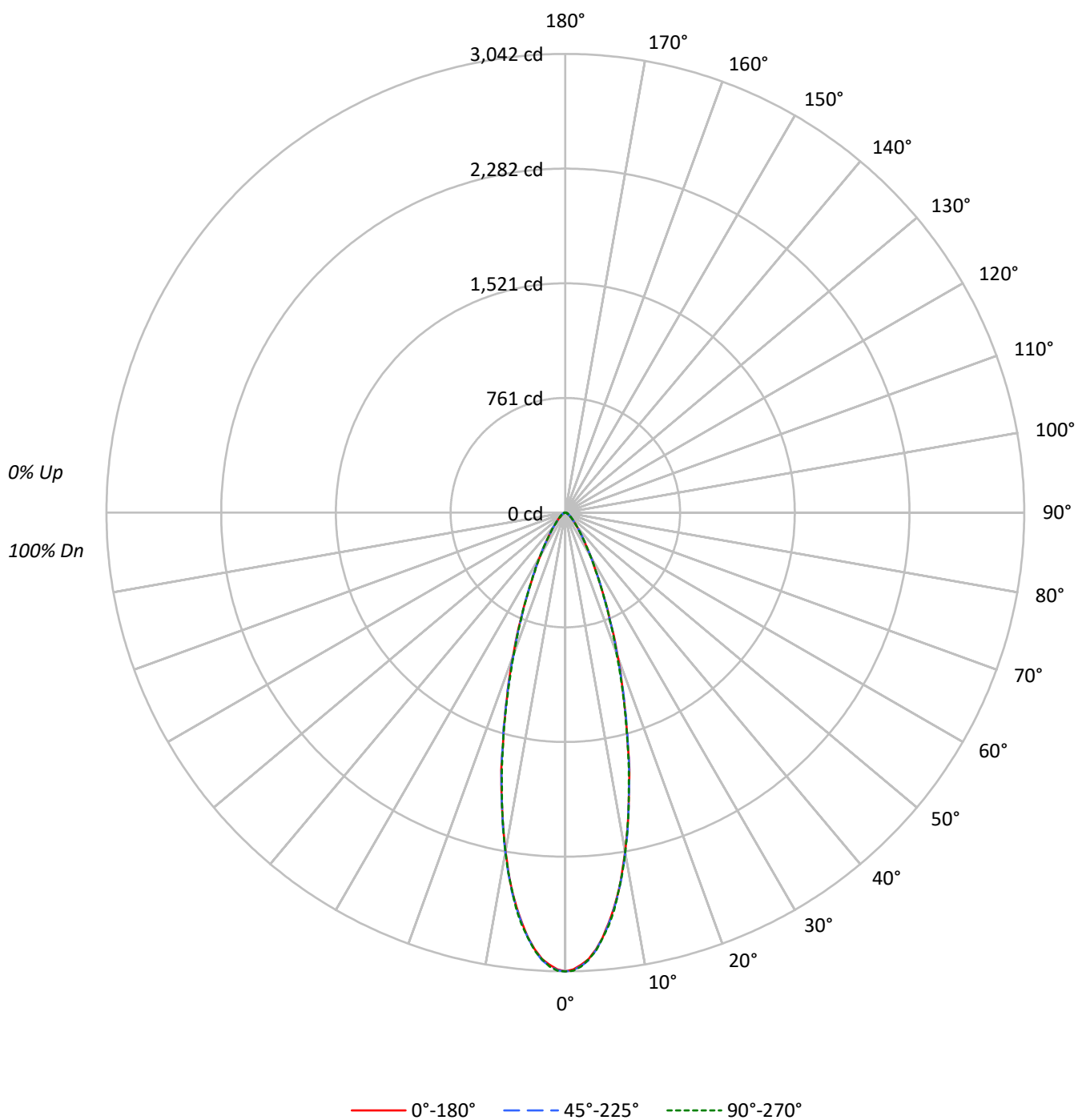
Lumens per Lamp: N/A
Luminaire Lumens: 1219.0 lumens
Efficiency: N/A
Efficacy: 44.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	523953	523953	523953
5°	489044	489546	489788
10°	398900	400142	400142
15°	284920	286436	284920
20°	186465	184650	182029
25°	110862	111413	110862
30°	66779	66779	66501
35°	40682	40977	40682
40°	25922	26237	26237
45°	18023	18023	18023
50°	12968	13343	13343
55°	10269	10269	10689
60°	8336	8818	8818
65°	7539	7539	7539
70°	6445	6445	7150
75°	5656	5656	6654
80°	5653	5653	5653
85°	2766	2766	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18023 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.8	20.7
10°-20°	440.7	36.1
20°-30°	277.0	22.7
30°-40°	126.7	10.4
40°-50°	59.2	4.9
50°-60°	31.8	2.6
60°-70°	18.8	1.5
70°-80°	9.8	0.8
80°-90°	2.2	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°	970.5	79.6
0°-40°	1097.3	90.0
0°-60°	1188.3	97.5
0°-90°	1219.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1219.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3042	3042	3042	3042	3042	
5°	2829	2834	2832	2834	2833	252
15°	1598	1608	1606	1609	1598	441
25°	583	590	586	586	583	278
35°	194	194	195	195	194	126
45°	74	74	74	74	74	59
55°	34	34	34	36	36	31
65°	18	18	18	18	18	18
75°	8	8	8	10	10	10
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°	3042.3	3042.3	3042.3	3042.3	3042.3
1°	3029.5	3032.3	3035.2	3039.4	3038.0
2°	3001.0	3006.7	3008.1	3013.8	3012.4
3°	2962.6	2961.2	2972.6	2972.6	2965.5
4°	2902.8	2905.7	2908.5	2911.4	2912.8
5°	2828.8	2834.5	2831.7	2834.5	2833.1
6°	2737.8	2746.3	2744.9	2747.7	2752.0
7°	2641.0	2646.7	2646.7	2643.9	2655.2
8°	2535.7	2531.4	2538.6	2535.7	2534.3
9°	2410.5	2419.0	2420.5	2413.3	2416.2
10°	2281.0	2286.7	2288.1	2292.4	2288.1
11°	2152.9	2152.9	2155.8	2162.9	2151.5
12°	2013.5	2026.3	2013.5	2019.2	2013.5
13°	1881.2	1884.0	1881.2	1879.7	1869.8
14°	1755.9	1746.0	1748.8	1737.4	1738.9
15°	1598.0	1607.9	1606.5	1609.4	1598.0
17.5°	1284.9	1290.6	1289.2	1286.4	1272.1
20°	1017.4	1017.4	1007.5	1001.8	993.2
22.5°	776.9	774.1	769.8	765.6	768.4
25°	583.4	590.5	586.3	586.3	583.4
27.5°	441.1	449.7	442.5	438.3	441.1
30°	335.8	338.7	335.8	334.4	334.4
32.5°	253.3	254.7	253.3	253.3	253.3
35°	193.5	193.5	194.9	194.9	193.5
37.5°	149.4	149.4	149.4	149.4	150.8
40°	115.3	116.7	116.7	116.7	116.7
42.5°	91.1	92.5	92.5	92.5	92.5
45°	74.0	74.0	74.0	74.0	74.0
47.5°	59.8	59.8	59.8	59.8	61.2
50°	48.4	49.8	49.8	49.8	49.8
52.5°	41.3	41.3	41.3	41.3	41.3
55°	34.2	34.2	34.2	35.6	35.6
57.5°	28.5	28.5	29.9	29.9	29.9
60°	24.2	25.6	25.6	25.6	25.6
62.5°	21.3	21.3	22.8	22.8	22.8
65°	18.5	18.5	18.5	18.5	18.5
67.5°	15.7	15.7	15.7	15.7	17.1
70°	12.8	12.8	12.8	14.2	14.2
72.5°	11.4	11.4	11.4	11.4	11.4
75°	8.5	8.5	8.5	10.0	10.0
77.5°	7.1	7.1	7.1	7.1	7.1
80°	5.7	5.7	5.7	5.7	5.7
82.5°	2.8	2.8	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)