

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: P1317255

Luminaire Tested: P3SQAS17R259830DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317255
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: P3SQAS17R259830DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

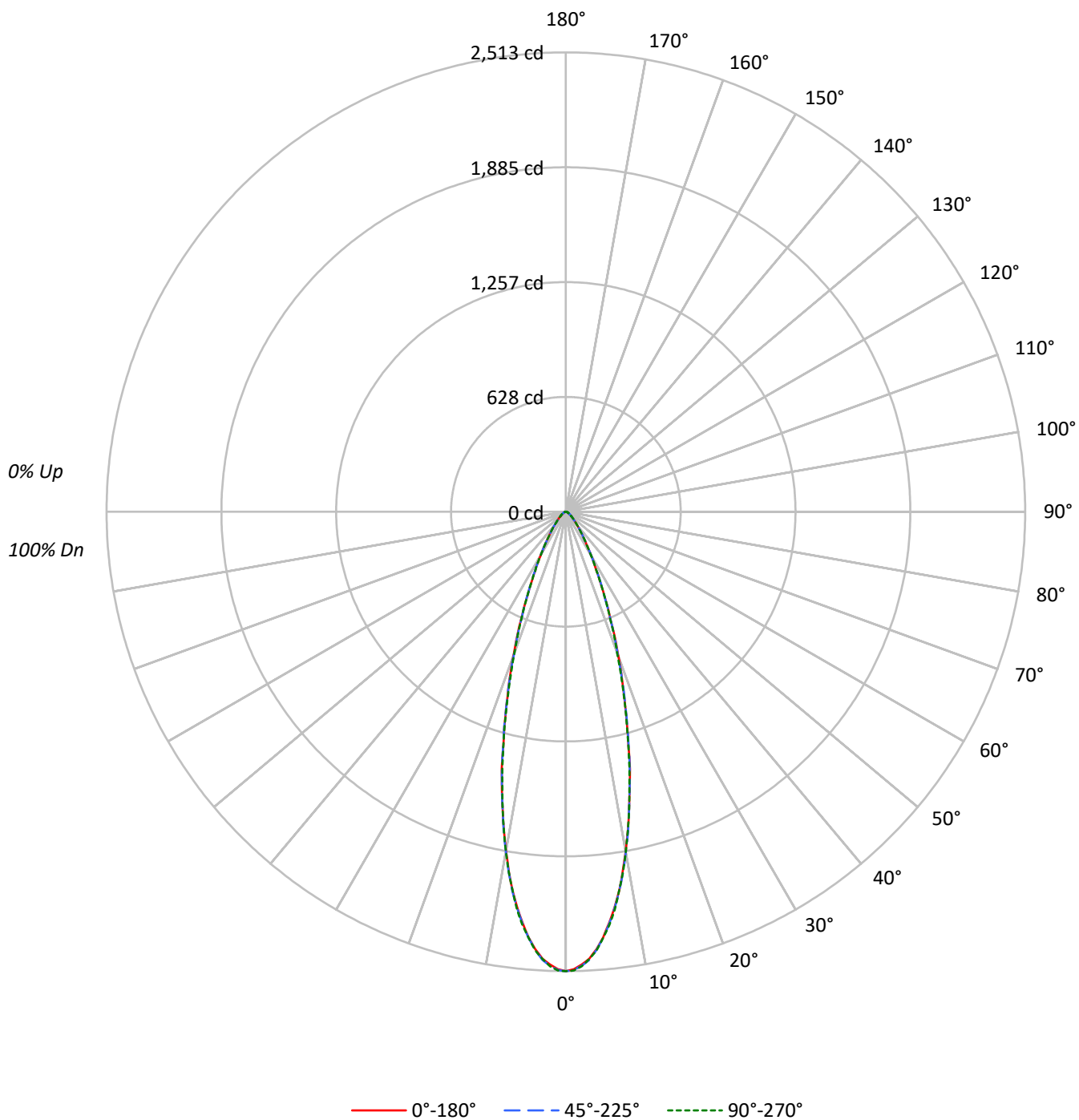
Lumens per Lamp: N/A
Luminaire Lumens: 1007.0 lumens
Efficiency: N/A
Efficacy: 49.4 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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°	432830	432830	432830
5°	404004	404402	404610
10°	329525	330557	330557
15°	235371	236619	235371
20°	154043	152522	150378
25°	91593	92030	91593
30°	55165	55165	54927
35°	33618	33849	33618
40°	21403	21673	21673
45°	14881	14881	14881
50°	10717	11012	11012
55°	8467	8467	8828
60°	6889	7302	7302
65°	6235	6235	6235
70°	5338	5338	5942
75°	4724	4724	5456
80°	4661	4661	4661
85°	2371	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14881 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.9	20.7
10°-20°	364.0	36.2
20°-30°	228.9	22.7
30°-40°	104.7	10.4
40°-50°	48.9	4.9
50°-60°	26.3	2.6
60°-70°	15.5	1.5
70°-80°	8.1	0.8
80°-90°	1.8	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°	801.7	79.6
0°-40°	906.4	90.0
0°-60°	981.6	97.5
0°-90°	1007.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1007.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2513	2513	2513	2513	2513	
5°	2337	2342	2339	2342	2340	208
15°	1320	1328	1327	1330	1320	364
25°	482	488	484	484	482	229
35°	160	160	161	161	160	104
45°	61	61	61	61	61	48
55°	28	28	28	29	29	26
65°	15	15	15	15	15	15
75°	7	7	7	8	8	8
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°	2513.2	2513.2	2513.2	2513.2	2513.2
1°	2502.6	2505.0	2507.3	2510.8	2509.7
2°	2479.1	2483.8	2485.0	2489.7	2488.5
3°	2447.4	2446.2	2455.6	2455.6	2449.7
4°	2398.0	2400.4	2402.7	2405.1	2406.2
5°	2336.9	2341.6	2339.2	2341.6	2340.4
6°	2261.6	2268.7	2267.5	2269.9	2273.4
7°	2181.7	2186.4	2186.4	2184.1	2193.5
8°	2094.7	2091.2	2097.1	2094.7	2093.5
9°	1991.3	1998.3	1999.5	1993.6	1996.0
10°	1884.3	1889.0	1890.2	1893.7	1890.2
11°	1778.5	1778.5	1780.9	1786.7	1777.3
12°	1663.3	1673.9	1663.3	1668.0	1663.3
13°	1554.0	1556.3	1554.0	1552.8	1544.6
14°	1450.6	1442.3	1444.7	1435.3	1436.4
15°	1320.1	1328.3	1327.1	1329.5	1320.1
17.5°	1061.5	1066.2	1065.0	1062.6	1050.9
20°	840.5	840.5	832.2	827.5	820.5
22.5°	641.8	639.5	635.9	632.4	634.8
25°	482.0	487.8	484.3	484.3	482.0
27.5°	364.4	371.5	365.6	362.1	364.4
30°	277.4	279.8	277.4	276.2	276.2
32.5°	209.2	210.4	209.2	209.2	209.2
35°	159.9	159.9	161.0	161.0	159.9
37.5°	123.4	123.4	123.4	123.4	124.6
40°	95.2	96.4	96.4	96.4	96.4
42.5°	75.2	76.4	76.4	76.4	76.4
45°	61.1	61.1	61.1	61.1	61.1
47.5°	49.4	49.4	49.4	49.4	50.5
50°	40.0	41.1	41.1	41.1	41.1
52.5°	34.1	34.1	34.1	34.1	34.1
55°	28.2	28.2	28.2	29.4	29.4
57.5°	23.5	23.5	24.7	24.7	24.7
60°	20.0	21.2	21.2	21.2	21.2
62.5°	17.6	17.6	18.8	18.8	18.8
65°	15.3	15.3	15.3	15.3	15.3
67.5°	12.9	12.9	12.9	12.9	14.1
70°	10.6	10.6	10.6	11.8	11.8
72.5°	9.4	9.4	9.4	9.4	9.4
75°	7.1	7.1	7.1	8.2	8.2
77.5°	5.9	5.9	5.9	5.9	5.9
80°	4.7	4.7	4.7	4.7	4.7
82.5°	2.4	2.4	3.5	3.5	3.5
85°	1.2	1.2	1.2	1.2	1.2
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)