

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: P1316797

Luminaire Tested: P3SQAS05R209830DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316797
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R209830DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

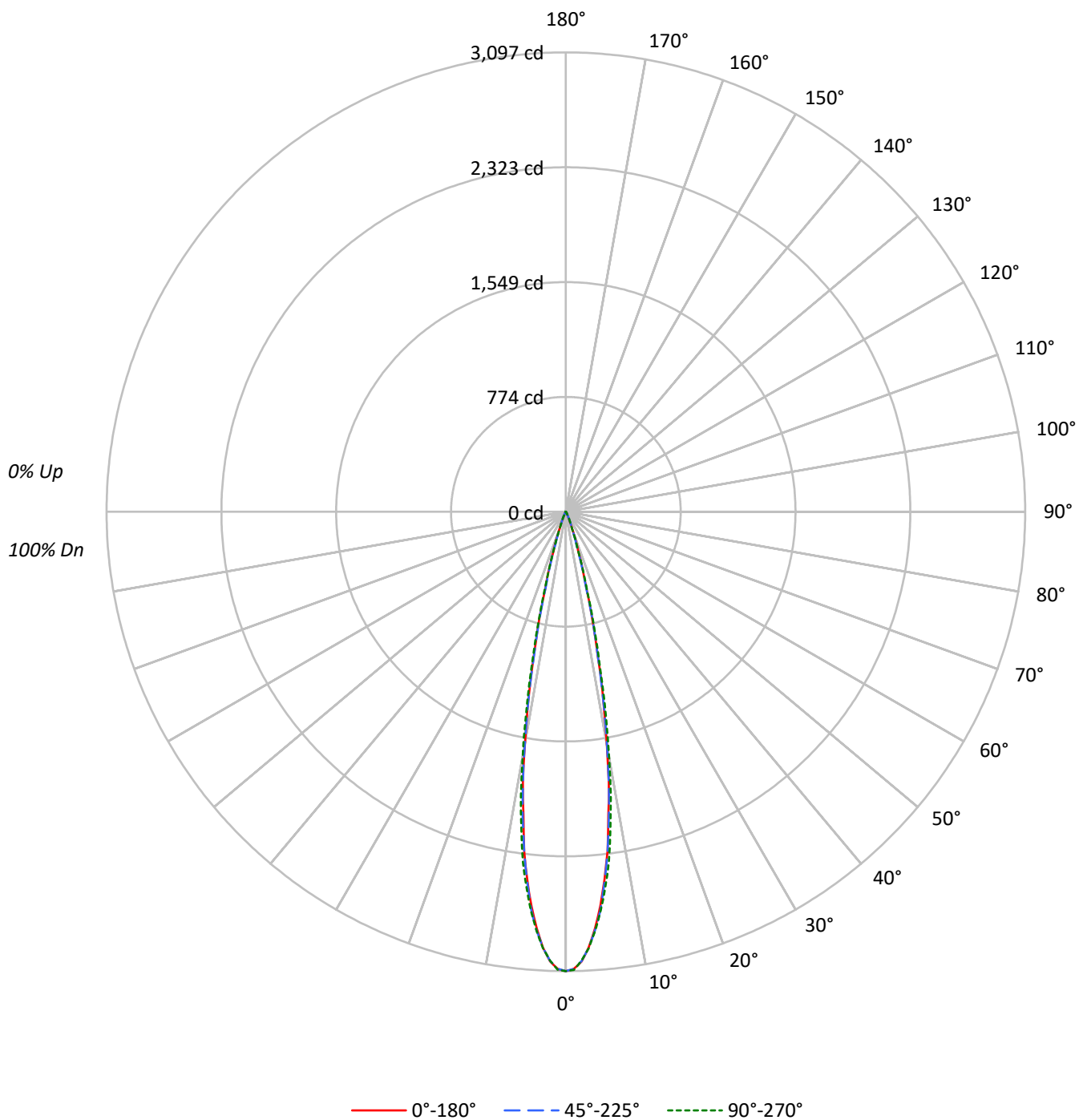
Lumens per Lamp: N/A
Luminaire Lumens: 416.0 lumens
Efficiency: N/A
Efficacy: 57.8 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	533408	533408	533408
5°	460813	465100	466829
10°	277394	279999	293920
15°	95942	93696	101166
20°	25200	23698	23771
25°	5492	6613	7544
30°	2367	2367	2426
35°	1325	1177	1240
40°	585	674	742
45°	170	268	268
50°	107	107	107
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: 22.5°

Vertical Angle: 45°

Luminance: 268 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.5	53.3
10°-20°	168.7	40.5
20°-30°	20.9	5.0
30°-40°	3.9	0.9
40°-50°	1.0	0.2
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°	411.0	98.8
0°-40°	415.0	99.8
0°-60°	416.0	100.0
0°-90°	416.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	416.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3097	3097	3097	3097	3097	
5°	2666	2664	2690	2688	2700	220
15°	538	519	526	557	567	168
25°	29	33	35	36	40	20
35°	6	6	6	6	6	4
45°	1	1	1	1	1	1
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°	3097.2	3097.2	3097.2	3097.2	3097.2
1°	3082.8	3079.1	3082.0	3075.7	3088.7
2°	3033.5	3029.8	3029.8	3026.1	3027.9
3°	2941.6	2947.5	2943.8	2936.0	2946.0
4°	2816.3	2823.0	2828.9	2829.3	2830.8
5°	2665.5	2663.6	2690.3	2688.5	2700.3
6°	2493.5	2491.3	2502.8	2522.0	2545.8
7°	2304.5	2277.4	2308.2	2347.1	2379.0
8°	2059.9	2066.9	2088.1	2134.0	2159.6
9°	1852.3	1811.2	1856.0	1910.9	1938.7
10°	1586.2	1552.9	1601.1	1658.9	1680.7
12.5°	998.4	969.5	985.1	1045.9	1055.5
15°	538.1	518.9	525.5	557.0	567.4
17.5°	274.6	257.2	253.5	273.5	275.7
20°	137.5	133.4	129.3	131.2	129.7
22.5°	63.7	69.3	68.6	64.9	69.3
25°	28.9	33.0	34.8	36.3	39.7
27.5°	17.8	17.0	19.6	21.1	21.5
30°	11.9	11.5	11.9	12.2	12.2
32.5°	8.5	8.2	7.8	7.8	8.2
35°	6.3	6.3	5.6	5.9	5.9
37.5°	4.4	4.4	4.1	4.4	4.4
40°	2.6	3.0	3.0	3.0	3.3
42.5°	1.5	1.9	1.9	1.9	1.9
45°	0.7	1.1	1.1	1.1	1.1
47.5°	0.4	0.4	0.4	0.7	0.7
50°	0.4	0.4	0.4	0.4	0.4
52.5°	0.4	0.0	0.0	0.0	0.4
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)