

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: P1315016

Luminaire Tested: P3SQAS05R259740DE010 E3SQPH1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315016
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R259740DE010 E3SQPH1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3SQPH1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

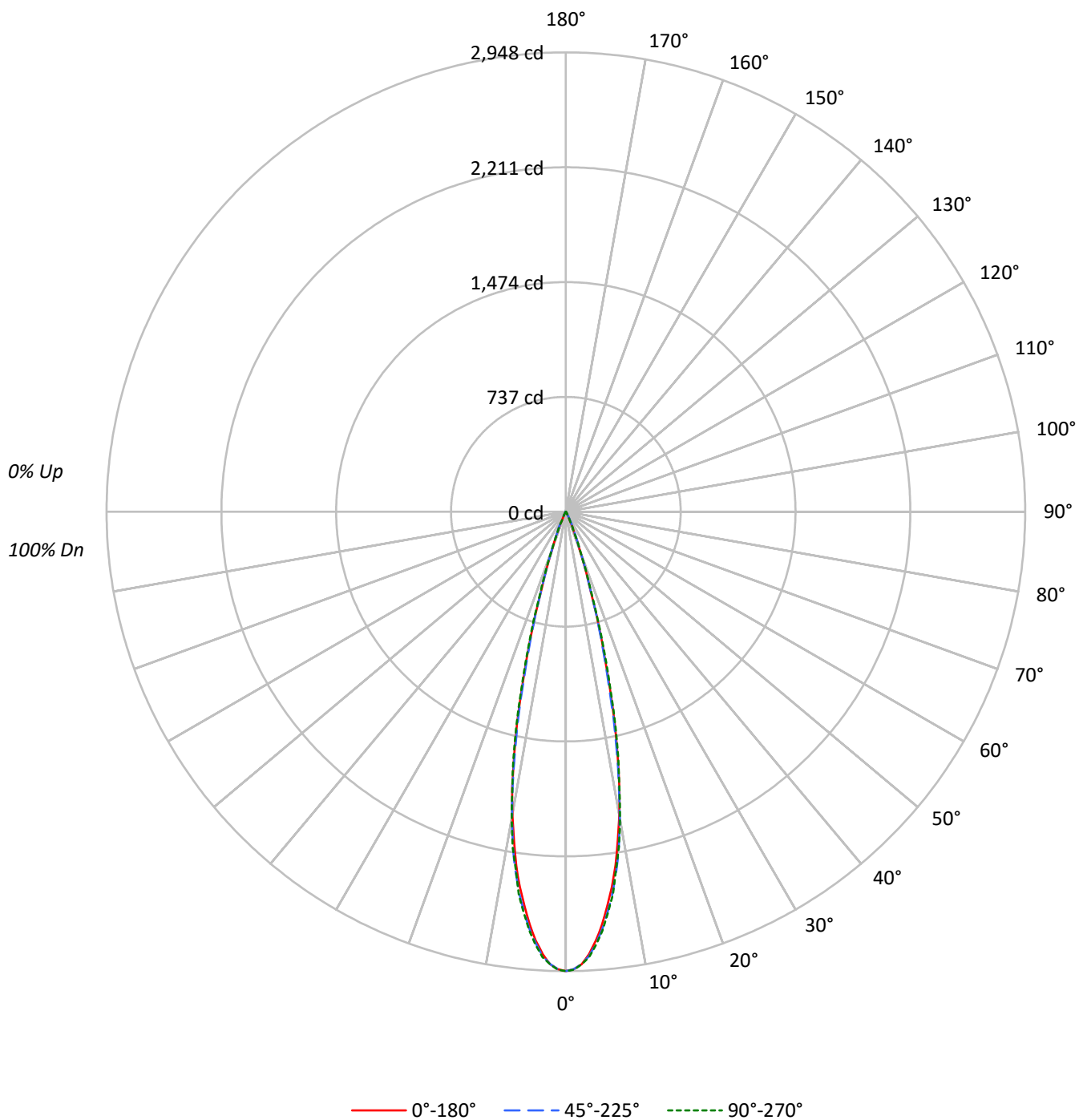
Lumens per Lamp: N/A
Luminaire Lumens: 544.0 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	112	110	113	111	110	108	107	106	105		104	103	102		100
2	112	109	106	104	110	107	105	103	104	102	101		101	100	98		99
3	109	105	102	99	107	104	101	98	101	99	97		99	97	95		97
4	106	101	98	95	105	100	97	95	99	96	94		97	94	93		95
5	104	98	95	92	102	98	94	92	96	93	91		95	92	90		93
6	101	96	92	89	100	95	92	89	94	91	89		93	90	88		91
7	99	93	89	87	98	93	89	87	92	89	86		91	88	86		90
8	97	91	87	85	96	90	87	85	90	86	84		89	86	84		88
9	95	89	85	83	94	88	85	83	88	85	82		87	84	82		86
10	93	87	83	81	92	86	83	81	86	83	81		85	82	80		85

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	507661	507661	507661
5°	460035	464236	466501
10°	345842	348290	349899
15°	171237	166138	177210
20°	48366	49154	49686
25°	8380	15848	9957
30°	3281	3381	3480
35°	1030	1114	1114
40°	337	427	337
45°	244	122	244
50°	134	0	134
55°	150	0	150
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: 0°

Vertical Angle: 45°

Luminance: 244 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.2	43.0
10°-20°	264.1	48.5
20°-30°	41.0	7.5
30°-40°	4.1	0.8
40°-50°	0.6	0.1
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°	539.2	99.1
0°-40°	543.3	99.9
0°-60°	544.0	100.0
0°-90°	544.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	544.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2948	2948	2948	2948	2948	
5°	2661	2666	2685	2696	2698	232
15°	960	954	932	974	994	263
25°	44	66	83	64	52	37
35°	5	5	5	6	5	4
45°	1	0	0	0	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°	2947.7	2947.7	2947.7	2947.7	2947.7
1°	2935.5	2939.4	2935.1	2939.9	2939.4
2°	2905.0	2908.9	2903.5	2906.4	2906.4
3°	2842.4	2850.7	2855.5	2858.9	2861.8
4°	2760.0	2769.2	2776.5	2785.2	2785.2
5°	2661.0	2665.9	2685.3	2695.9	2698.4
6°	2543.1	2562.5	2577.1	2598.4	2585.3
7°	2425.3	2441.3	2461.7	2465.0	2474.3
8°	2291.4	2308.4	2327.3	2323.9	2316.1
9°	2128.4	2153.2	2175.5	2168.2	2177.9
10°	1977.6	1992.6	1991.6	1984.4	2000.8
11°	1802.5	1805.9	1786.9	1816.5	1798.6
12°	1594.9	1597.8	1573.5	1602.6	1621.1
13°	1396.0	1389.2	1355.7	1394.0	1417.3
14°	1167.0	1169.5	1126.8	1201.0	1195.2
15°	960.4	953.6	931.8	973.5	993.9
17.5°	511.7	516.1	510.8	531.6	544.7
20°	263.9	271.1	268.2	277.0	271.1
22.5°	136.8	147.0	149.9	143.1	124.7
25°	44.1	65.5	83.4	63.5	52.4
27.5°	26.7	26.2	40.7	28.1	28.6
30°	16.5	16.0	17.0	17.0	17.5
32.5°	9.2	9.7	9.2	10.2	9.7
35°	4.9	5.3	5.3	5.8	5.3
37.5°	2.9	3.4	3.4	3.4	2.9
40°	1.5	1.9	1.9	1.5	1.5
42.5°	1.0	1.0	1.0	1.0	1.0
45°	1.0	0.5	0.5	0.5	1.0
47.5°	0.5	0.5	0.0	0.5	0.5
50°	0.5	0.5	0.0	0.5	0.5
52.5°	0.5	0.0	0.0	0.0	0.5
55°	0.5	0.0	0.0	0.0	0.5
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)