

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: P1306567

Luminaire Tested: P3SQAS05R309027DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306567
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R309027DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

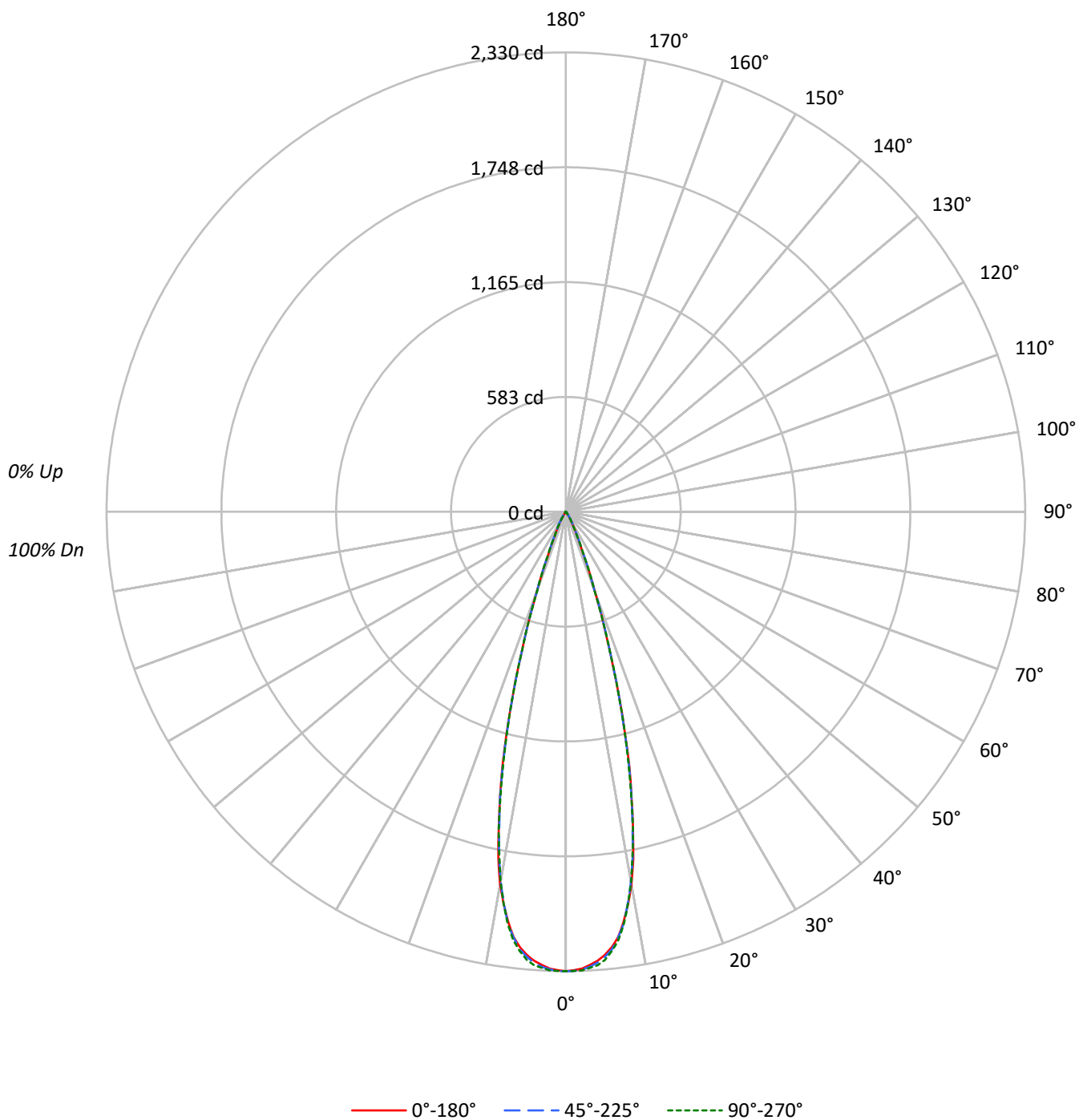
Lumens per Lamp: N/A
Luminaire Lumens: 606.0 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	111	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	104	101	103	101	99		100	99	97		98
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		95
4	105	99	96	93	103	98	95	92	96	93	91		95	92	90		93
5	102	96	92	89	100	95	91	89	93	90	88		92	89	87		91
6	99	93	89	86	98	92	88	85	91	87	85		90	87	84		88
7	96	90	86	83	95	89	85	83	88	85	82		87	84	82		86
8	94	87	83	80	93	87	83	80	86	82	80		85	82	80		84
9	91	85	81	78	90	84	80	78	83	80	78		83	80	77		82
10	89	82	78	76	88	82	78	76	81	78	76		81	78	75		80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	401296	401296	401296
5°	390295	391989	394410
10°	335611	332761	333075
15°	206219	204561	204722
20°	78479	78662	77196
25°	24970	26300	25046
30°	10043	12449	10321
35°	3238	5508	3238
40°	1461	2428	1461
45°	560	1023	560
50°	241	509	241
55°	270	270	270
60°	310	310	310
65°	204	204	204
70°	252	252	252
75°	333	333	333
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1023 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.5	33.9
10°-20°	304.9	50.3
20°-30°	75.8	12.5
30°-40°	15.1	2.5
40°-50°	2.7	0.5
50°-60°	0.8	0.1
60°-70°	0.6	0.1
70°-80°	0.5	0.1
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°	586.2	96.7
0°-40°	601.3	99.2
0°-60°	604.9	99.8
0°-90°	606.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	606.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2330	2330	2330	2330	2330	
5°	2258	2265	2267	2271	2281	205
15°	1157	1159	1147	1151	1148	306
25°	131	134	138	136	132	74
35°	15	20	26	20	15	12
45°	2	3	4	3	2	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	1
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°	2330.1	2330.1	2330.1	2330.1	2330.1
1°	2324.9	2327.7	2329.6	2329.6	2329.6
2°	2318.4	2320.2	2323.0	2323.5	2327.3
3°	2302.9	2307.2	2311.8	2314.6	2316.5
4°	2284.2	2289.9	2292.7	2299.7	2305.8
5°	2257.6	2265.1	2267.4	2270.7	2281.4
6°	2221.6	2227.2	2231.9	2233.3	2239.8
7°	2173.9	2176.7	2175.8	2178.1	2189.8
8°	2101.5	2102.4	2110.3	2105.2	2113.1
9°	2015.4	2011.7	2009.8	2013.6	2014.0
10°	1919.1	1906.5	1902.8	1899.5	1904.6
11°	1794.3	1777.9	1779.3	1778.4	1770.9
12°	1639.1	1637.2	1625.1	1627.4	1638.6
13°	1480.6	1483.9	1481.5	1484.3	1471.7
14°	1331.9	1316.0	1320.2	1304.3	1310.4
15°	1156.6	1159.0	1147.3	1151.0	1148.2
17.5°	740.5	745.7	741.9	738.7	743.8
20°	428.2	427.8	429.2	425.0	421.2
22.5°	225.3	228.6	232.8	233.3	236.1
25°	131.4	134.2	138.4	136.5	131.8
27.5°	80.4	85.6	92.1	87.4	81.8
30°	50.5	54.7	62.6	55.2	51.9
32.5°	28.5	34.6	41.1	34.6	28.5
35°	15.4	20.1	26.2	19.6	15.4
37.5°	10.3	11.7	17.3	11.7	10.3
40°	6.5	7.9	10.8	7.9	6.5
42.5°	3.7	5.1	6.1	5.1	3.7
45°	2.3	2.8	4.2	3.3	2.3
47.5°	0.9	1.4	2.8	1.4	1.4
50°	0.9	0.9	1.9	0.9	0.9
52.5°	0.9	0.9	0.9	0.9	0.9
55°	0.9	0.9	0.9	0.9	0.9
57.5°	0.9	0.9	0.9	0.9	0.9
60°	0.9	0.9	0.9	0.9	0.9
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
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)