

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: P1313786

Luminaire Tested: P3SQAS20R609730D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313786
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R609730D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

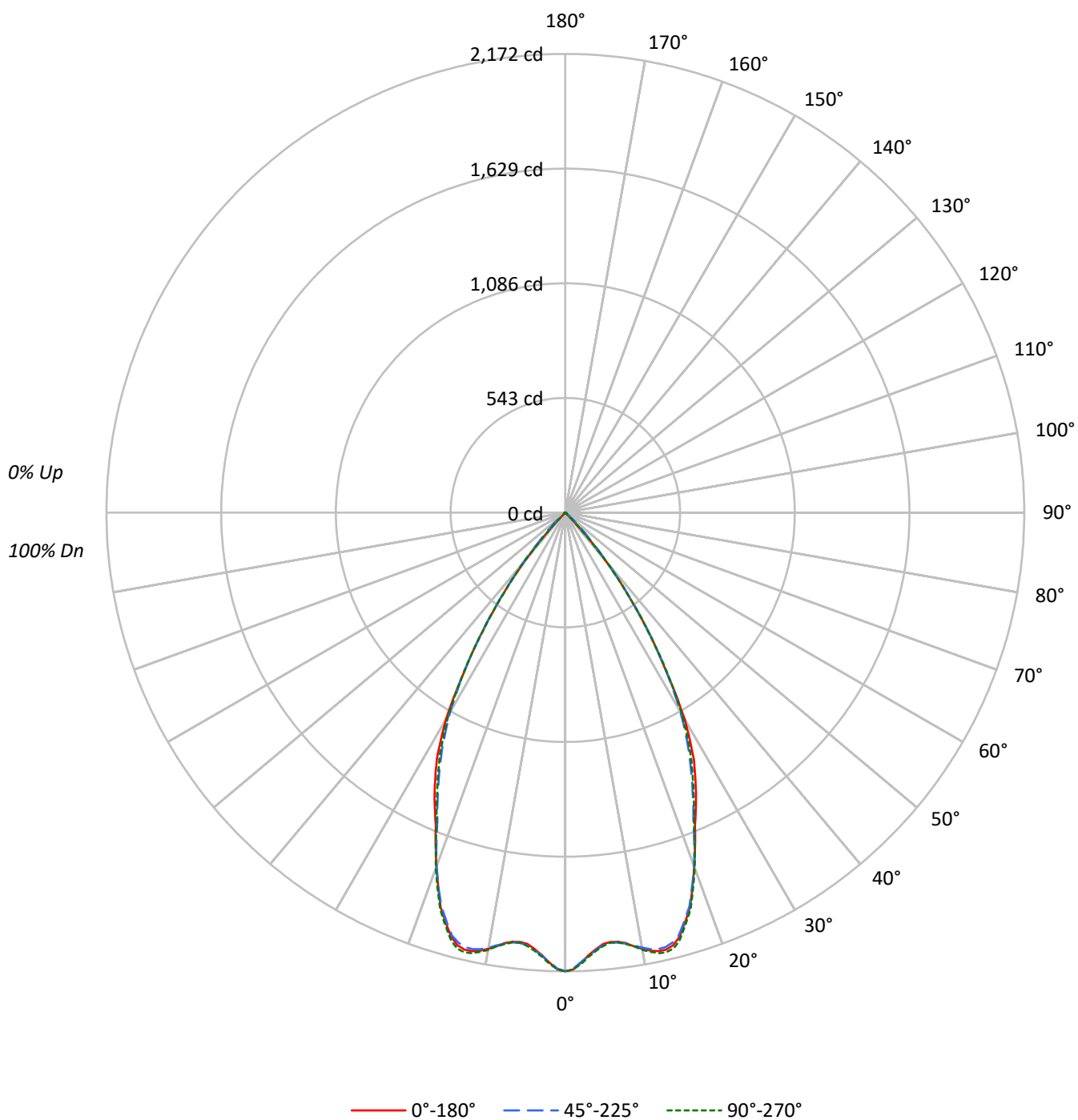
Lumens per Lamp: N/A
Luminaire Lumens: 1937.0 lumens
Efficiency: N/A
Efficacy: 67.3 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.92 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	108	106	111	109	107	105	105	103	101		101	100	98		98
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88
4	98	90	85	81	96	89	84	80	87	83	79		85	81	79		83
5	93	85	79	75	91	84	79	75	82	77	74		80	76	73		79
6	88	80	74	70	87	79	73	69	77	73	69		76	72	68		75
7	84	75	69	65	83	74	69	65	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	76	67	61	57	75	66	61	57	65	60	57		65	60	57		64
10	73	63	58	54	72	63	57	54	62	57	54		61	57	53		61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	374016	374016	374016
5°	354474	355529	356047
10°	366792	365725	367579
15°	371252	369630	373427
20°	326909	326634	328301
25°	278180	270123	272422
30°	224519	216684	220303
35°	142105	143387	141789
40°	66435	69155	67469
45°	4067	24356	4798
50°	2036	5680	2036
55°	2282	2282	2282
60°	2101	2101	2101
65°	1834	2486	1834
70°	2266	2266	2266
75°	1996	1996	1996
80°	1488	1488	1488
85°	2964	2964	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 24356 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.9	10.2
10°-20°	570.1	29.4
20°-30°	657.1	33.9
30°-40°	422.0	21.8
40°-50°	73.4	3.8
50°-60°	7.0	0.4
60°-70°	5.3	0.3
70°-80°	3.2	0.2
80°-90°	1.0	0.1
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°	1425.1	73.6
0°-40°	1847.0	95.4
0°-60°	1927.4	99.5
0°-90°	1937.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1937.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2172	2172	2172	2172	2172	
5°	2050	2055	2056	2061	2060	198
15°	2082	2075	2073	2087	2094	571
25°	1464	1447	1422	1423	1434	667
35°	676	671	682	668	674	422
45°	17	50	100	59	20	55
55°	8	8	8	8	8	7
65°	4	6	6	6	4	5
75°	3	3	3	3	3	3
85°	2	2	2	2	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2171.7	2171.7	2171.7	2171.7	2171.7
1°	2162.6	2161.0	2159.5	2161.0	2162.6
2°	2132.3	2130.7	2129.2	2135.3	2138.3
3°	2098.9	2100.4	2101.9	2105.0	2106.5
4°	2071.6	2074.7	2076.2	2079.2	2080.7
5°	2050.4	2055.0	2056.5	2061.0	2059.5
6°	2044.4	2047.4	2048.9	2050.4	2047.4
7°	2047.4	2048.9	2050.4	2053.4	2050.4
8°	2058.0	2059.5	2061.0	2062.5	2062.5
9°	2079.2	2076.2	2074.7	2080.7	2079.2
10°	2097.4	2092.9	2091.3	2100.4	2101.9
11°	2112.6	2106.5	2105.0	2115.6	2118.6
12°	2123.2	2114.1	2112.6	2126.2	2132.3
13°	2123.2	2111.0	2111.0	2126.2	2135.3
14°	2111.0	2097.4	2097.4	2114.1	2124.7
15°	2082.2	2074.7	2073.1	2086.8	2094.4
17.5°	1961.0	1951.9	1953.4	1968.6	1970.1
20°	1783.7	1779.2	1782.2	1785.2	1791.3
22.5°	1603.4	1600.3	1583.7	1588.2	1591.2
25°	1463.9	1447.3	1421.5	1423.0	1433.6
27.5°	1316.9	1300.3	1263.9	1271.5	1282.1
30°	1129.0	1115.4	1089.6	1094.2	1107.8
32.5°	886.5	913.8	889.6	897.2	892.6
35°	675.9	671.3	682.0	668.3	674.4
37.5°	475.9	477.4	481.9	469.8	469.8
40°	295.5	303.1	307.6	301.6	300.1
42.5°	124.3	169.7	178.8	169.7	125.8
45°	16.7	50.0	100.0	59.1	19.7
47.5°	7.6	10.6	53.0	10.6	7.6
50°	7.6	7.6	21.2	7.6	7.6
52.5°	7.6	7.6	7.6	7.6	7.6
55°	7.6	7.6	7.6	7.6	7.6
57.5°	7.6	7.6	7.6	7.6	7.6
60°	6.1	6.1	6.1	6.1	6.1
62.5°	6.1	6.1	6.1	6.1	6.1
65°	4.5	6.1	6.1	6.1	4.5
67.5°	4.5	4.5	4.5	4.5	4.5
70°	4.5	4.5	4.5	4.5	4.5
72.5°	3.0	3.0	3.0	3.0	3.0
75°	3.0	3.0	3.0	3.0	3.0
77.5°	3.0	3.0	3.0	3.0	3.0
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5
85°	1.5	1.5	1.5	1.5	1.5
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)