

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: P1308381

Luminaire Tested: P3SQAS20R609030D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308381
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R609030D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

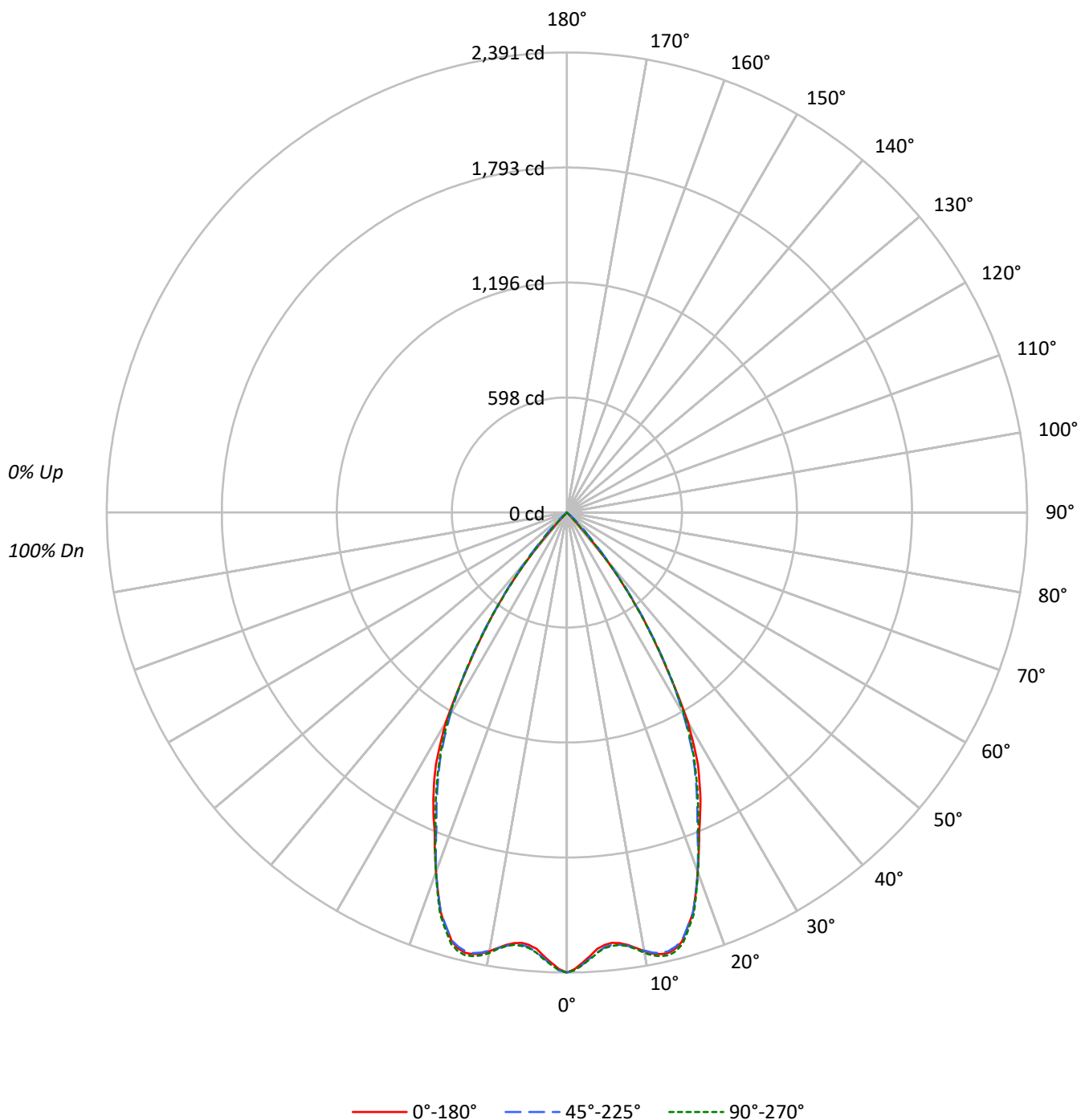
Lumens per Lamp: N/A
Luminaire Lumens: 2119.0 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1308381

CATALOG NUMBER: P3SQAS20R609030D010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1308381

CATALOG NUMBER: P3SQAS20R609030D010 E3SQCD1MB

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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	88	88	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82	82	82
4	98	91	86	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77	77	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	72	72	72
6	89	80	74	70	87	79	74	70	78	73	70	77	72	69	75	72	69	67	67	67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63	63	63
8	81	71	66	62	79	71	65	61	70	65	61	69	64	61	68	64	61	59	59	59
9	77	67	62	58	76	67	61	58	66	61	57	65	61	57	64	60	57	56	56	56
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	411802	411802	411802
5°	390001	392058	392646
10°	404863	404269	406630
15°	411565	410977	413972
20°	364223	364223	364828
25°	312119	302807	305373
30°	249696	240607	244306
35°	154909	158104	154551
40°	68008	74843	69897
45°	828	24283	2046
50°	0	2706	0
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: 45°

Vertical Angle: 45°

Luminance: 24283 cd/sqm

TEST NUMBER: P1308381

CATALOG NUMBER: P3SQAS20R609030D010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.4	10.3
10°-20°	633.0	29.9
20°-30°	734.9	34.7
30°-40°	462.8	21.8
40°-50°	69.5	3.3
50°-60°	0.4	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°	1586.4	74.9
0°-40°	2049.2	96.7
0°-60°	2119.0	100.0
0°-90°	2119.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2119.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2391	2391	2391	2391	2391	
5°	2256	2264	2268	2273	2271	218
15°	2308	2300	2305	2320	2322	633
25°	1642	1624	1594	1600	1607	747
35°	737	738	752	737	735	460
45°	3	32	100	42	8	46
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	

TEST NUMBER: P1308381

CATALOG NUMBER: P3SQAS20R609030D010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2391.1	2391.1	2391.1	2391.1	2391.1
1°	2372.5	2379.3	2379.3	2381.0	2379.3
2°	2340.4	2350.6	2350.6	2355.6	2352.3
3°	2308.3	2316.8	2318.5	2325.2	2323.5
4°	2272.8	2286.4	2291.4	2294.8	2293.1
5°	2255.9	2264.4	2267.8	2272.8	2271.2
6°	2249.2	2255.9	2259.3	2264.4	2264.4
7°	2254.3	2259.3	2264.4	2267.8	2264.4
8°	2269.5	2274.5	2274.5	2281.3	2276.2
9°	2291.4	2293.1	2293.1	2301.6	2296.5
10°	2315.1	2311.7	2311.7	2323.5	2325.2
11°	2335.4	2332.0	2330.3	2342.1	2345.5
12°	2347.2	2340.4	2340.4	2355.6	2357.3
13°	2348.9	2340.4	2340.4	2355.6	2360.7
14°	2335.4	2325.2	2326.9	2343.8	2348.9
15°	2308.3	2299.9	2305.0	2320.2	2321.8
17.5°	2179.9	2174.8	2178.2	2188.4	2190.0
20°	1987.3	1983.9	1987.3	1987.3	1990.6
22.5°	1796.3	1787.9	1771.0	1781.1	1782.8
25°	1642.5	1623.9	1593.5	1600.3	1607.0
27.5°	1473.5	1449.9	1417.8	1426.2	1427.9
30°	1255.6	1243.7	1209.9	1218.4	1228.5
32.5°	970.0	1002.1	981.8	980.1	981.8
35°	736.8	738.5	752.0	736.8	735.1
37.5°	515.4	517.1	527.2	510.3	512.0
40°	302.5	324.5	332.9	326.1	310.9
42.5°	94.6	167.3	189.3	163.9	104.8
45°	3.4	32.1	99.7	42.2	8.4
47.5°	0.0	1.7	47.3	3.4	0.0
50°	0.0	0.0	10.1	0.0	0.0
52.5°	0.0	0.0	1.7	0.0	0.0
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



TEST NUMBER: P1308381

CATALOG NUMBER: P3SQAS20R609030D010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)