

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: P1316544

Luminaire Tested: P3SQAS20R309827D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316544
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309827D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

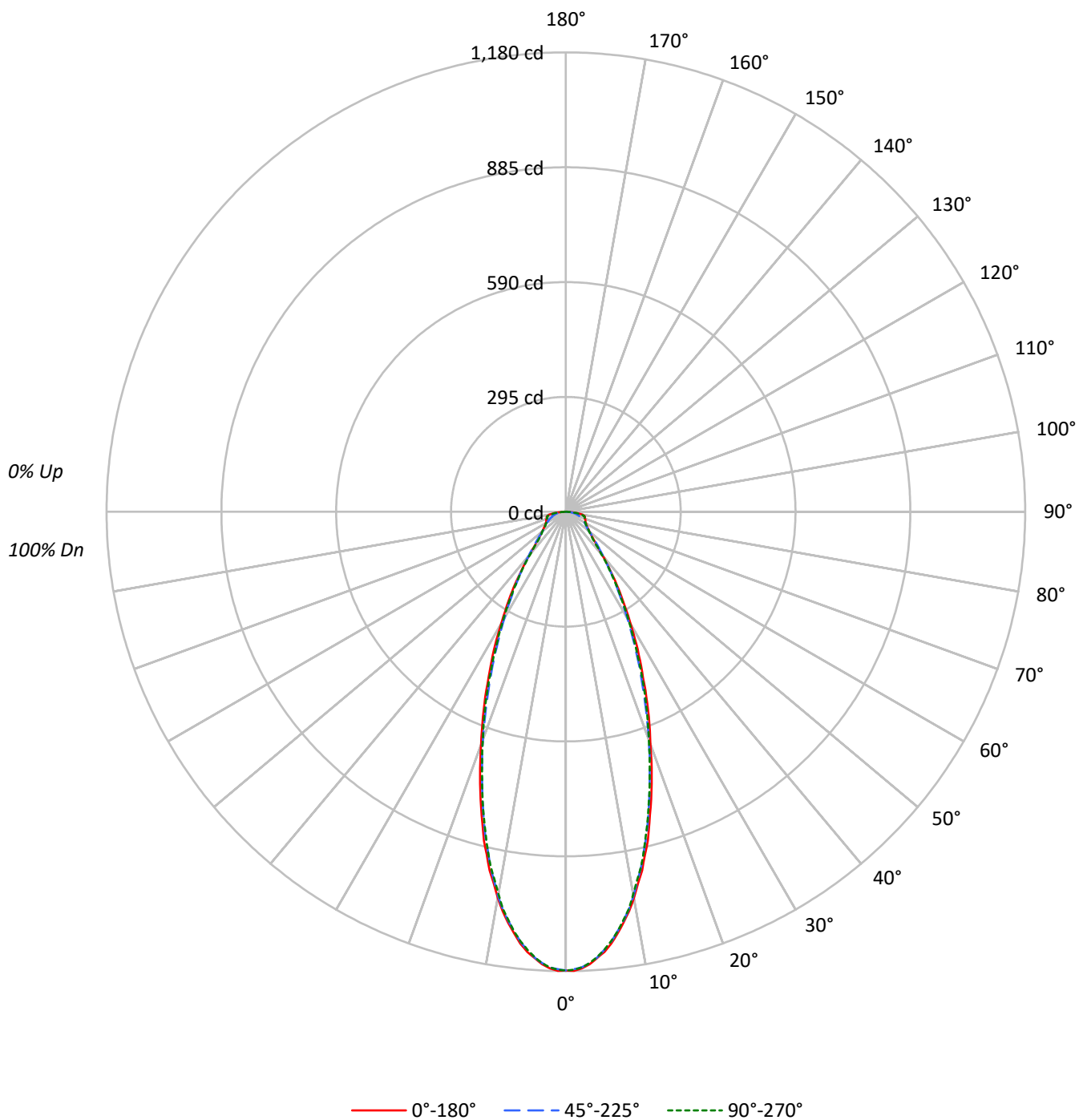
Lumens per Lamp: N/A
Luminaire Lumens: 929.0 lumens
Efficiency: N/A
Efficacy: 33.9 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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: P1316544

CATALOG NUMBER: P3SQAS20R309827D010 E3SQPHLP1MW

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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	59		67	62	58		66
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	202895	202895	202895
5°	196289	195303	195303
10°	176156	175159	174425
15°	147649	145366	145099
20°	116563	114217	114217
25°	89218	85702	87336
30°	66202	62822	64234
35°	47852	45770	46065
40°	32936	33588	31992
45°	24600	25647	23552
50°	21354	20979	20979
55°	20087	19217	19637
60°	20598	19117	20081
65°	22617	19153	22046
70°	26486	19336	25782
75°	34069	20828	33138
80°	42349	22613	39473
85°	33790	22527	31024

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 42349 cd/sqm

TEST NUMBER: P1316544

CATALOG NUMBER: P3SQAS20R309827D010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.9	11.2
10°-20°	225.9	24.3
20°-30°	210.5	22.7
30°-40°	139.6	15.0
40°-50°	81.3	8.8
50°-60°	59.2	6.4
60°-70°	50.0	5.4
70°-80°	41.4	4.5
80°-90°	17.2	1.9
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°	540.2	58.2
0°-40°	679.9	73.2
0°-60°	820.3	88.3
0°-90°	929.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	929.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1178	1178	1178	1178	1178	
5°	1135	1134	1130	1130	1130	104
15°	828	820	815	814	814	229
25°	470	461	451	452	460	216
35°	228	223	218	219	219	143
45°	101	102	105	100	97	81
55°	67	65	64	65	65	61
65°	56	50	47	50	54	55
75°	51	38	31	38	50	52
85°	17	20	11	18	16	20
90°	0	0	0	0	0	

TEST NUMBER: P1316544

CATALOG NUMBER: P3SQAS20R309827D010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1178.1	1178.1	1178.1	1178.1	1178.1
1°	1179.5	1178.1	1175.2	1176.6	1176.6
2°	1173.8	1172.4	1171.0	1171.0	1171.0
3°	1163.8	1162.4	1161.0	1161.0	1161.0
4°	1149.6	1148.2	1148.2	1146.8	1146.8
5°	1135.4	1134.0	1129.7	1129.7	1129.7
6°	1115.5	1114.0	1111.2	1109.8	1109.8
7°	1091.3	1091.3	1087.0	1085.6	1087.0
8°	1065.7	1064.2	1061.4	1060.0	1060.0
9°	1038.6	1034.4	1034.4	1030.1	1032.9
10°	1007.3	1004.5	1001.6	998.8	997.4
11°	971.8	970.3	966.1	963.2	961.8
12°	941.9	934.8	931.9	927.7	930.5
13°	903.5	899.2	892.1	890.7	892.1
14°	870.7	862.2	856.5	853.7	852.3
15°	828.1	819.5	815.3	813.8	813.8
17.5°	732.7	727.0	715.7	715.7	715.7
20°	636.0	630.3	623.2	621.8	623.2
22.5°	552.0	542.1	530.7	532.1	540.7
25°	469.5	461.0	451.0	452.4	459.6
27.5°	399.8	388.4	378.5	381.3	385.6
30°	332.9	325.8	315.9	318.7	323.0
32.5°	276.0	271.8	260.4	263.2	267.5
35°	227.6	223.4	217.7	219.1	219.1
37.5°	182.1	182.1	180.7	179.3	177.8
40°	146.5	149.4	149.4	145.1	142.3
42.5°	119.5	122.4	125.2	119.5	115.2
45°	101.0	102.4	105.3	99.6	96.7
47.5°	88.2	88.2	91.1	86.8	85.4
50°	79.7	79.7	78.3	76.8	78.3
52.5°	72.6	71.1	69.7	71.1	71.1
55°	66.9	65.4	64.0	65.4	65.4
57.5°	62.6	61.2	59.8	59.8	61.2
60°	59.8	56.9	55.5	56.9	58.3
62.5°	56.9	52.6	51.2	52.6	55.5
65°	55.5	49.8	47.0	49.8	54.1
67.5°	54.1	47.0	42.7	47.0	52.6
70°	52.6	44.1	38.4	44.1	51.2
72.5°	51.2	41.3	35.6	41.3	51.2
75°	51.2	38.4	31.3	38.4	49.8
77.5°	48.4	35.6	27.0	35.6	47.0
80°	42.7	32.7	22.8	31.3	39.8
82.5°	31.3	28.5	17.1	27.0	29.9
85°	17.1	19.9	11.4	18.5	15.7
87.5°	2.8	4.3	2.8	8.5	5.7



TEST NUMBER: P1316544

CATALOG NUMBER: P3SQAS20R309827D010 E3SQPHLP1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)