

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: P1316398

Luminaire Tested: P3SQAS17R309827DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316398
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: P3SQAS17R309827DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

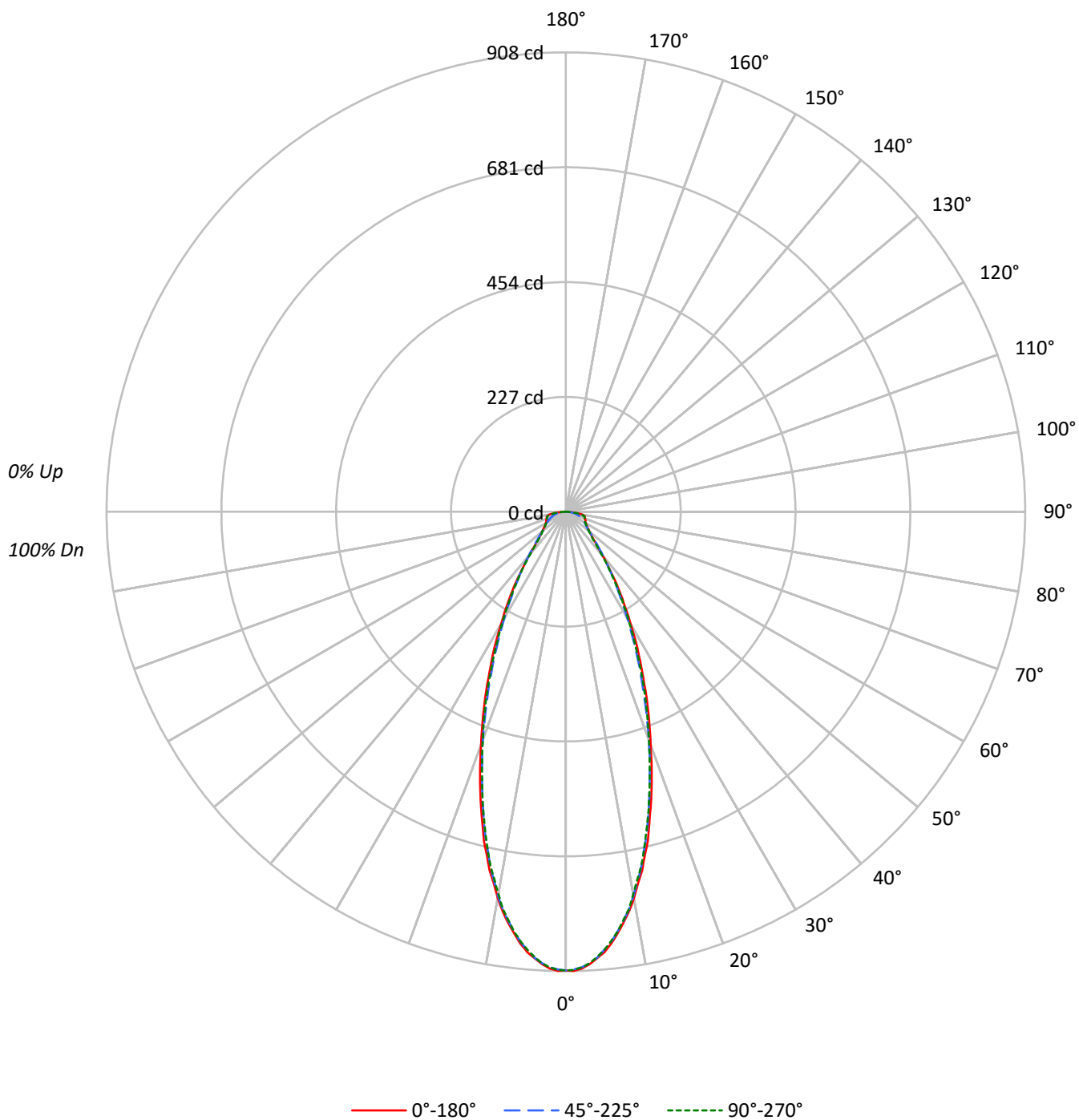
Lumens per Lamp: N/A
Luminaire Lumens: 715.0 lumens
Efficiency: N/A
Efficacy: 35.0 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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: P1316398

CATALOG NUMBER: P3SQAS17R309827DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1316398

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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°	156154	156154	156154
5°	151063	150320	150320
10°	135584	134815	134237
15°	113629	111882	111686
20°	89713	87899	87899
25°	68676	65958	67212
30°	50949	48344	49438
35°	36835	35216	35447
40°	25360	25854	24618
45°	18925	19728	18145
50°	16424	16129	16129
55°	15463	14803	15133
60°	15844	14708	15466
65°	17401	14711	16953
70°	20394	14905	19840
75°	26217	16037	25485
80°	32630	17356	30448
85°	25886	17389	23712

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 32630 cd/sqm

TEST NUMBER: P1316398

CATALOG NUMBER: P3SQAS17R309827DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.9	11.2
10°-20°	173.9	24.3
20°-30°	162.0	22.7
30°-40°	107.5	15.0
40°-50°	62.6	8.8
50°-60°	45.6	6.4
60°-70°	38.5	5.4
70°-80°	31.9	4.5
80°-90°	13.3	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°	415.8	58.1
0°-40°	523.3	73.2
0°-60°	631.4	88.3
0°-90°	715.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	715.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	907	907	907	907	907	
5°	874	873	870	870	870	80
15°	637	631	628	626	626	176
25°	361	355	347	348	354	167
35°	175	172	168	169	169	110
45°	78	79	81	77	74	62
55°	52	50	49	50	50	47
65°	43	38	36	38	42	42
75°	39	30	24	30	38	40
85°	13	15	9	14	12	15
90°	0	0	0	0	0	

TEST NUMBER: P1316398

CATALOG NUMBER: P3SQAS17R309827DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	906.7	906.7	906.7	906.7	906.7
1°	907.8	906.7	904.5	905.6	905.6
2°	903.4	902.3	901.2	901.2	901.2
3°	895.7	894.6	893.6	893.6	893.6
4°	884.8	883.7	883.7	882.6	882.6
5°	873.8	872.7	869.5	869.5	869.5
6°	858.5	857.4	855.2	854.1	854.1
7°	839.9	839.9	836.6	835.5	836.6
8°	820.2	819.1	816.9	815.8	815.8
9°	799.4	796.1	796.1	792.8	795.0
10°	775.3	773.1	770.9	768.7	767.6
11°	747.9	746.8	743.5	741.3	740.2
12°	724.9	719.4	717.3	714.0	716.2
13°	695.4	692.1	686.6	685.5	686.6
14°	670.2	663.6	659.2	657.0	655.9
15°	637.3	630.7	627.5	626.4	626.4
17.5°	563.9	559.6	550.8	550.8	550.8
20°	489.5	485.1	479.6	478.5	479.6
22.5°	424.9	417.2	408.5	409.5	416.1
25°	361.4	354.8	347.1	348.2	353.7
27.5°	307.7	298.9	291.3	293.5	296.8
30°	256.2	250.8	243.1	245.3	248.6
32.5°	212.4	209.2	200.4	202.6	205.9
35°	175.2	171.9	167.5	168.6	168.6
37.5°	140.2	140.2	139.1	138.0	136.9
40°	112.8	115.0	115.0	111.7	109.5
42.5°	92.0	94.2	96.4	92.0	88.7
45°	77.7	78.8	81.0	76.7	74.5
47.5°	67.9	67.9	70.1	66.8	65.7
50°	61.3	61.3	60.2	59.1	60.2
52.5°	55.8	54.8	53.7	54.8	54.8
55°	51.5	50.4	49.3	50.4	50.4
57.5°	48.2	47.1	46.0	46.0	47.1
60°	46.0	43.8	42.7	43.8	44.9
62.5°	43.8	40.5	39.4	40.5	42.7
65°	42.7	38.3	36.1	38.3	41.6
67.5°	41.6	36.1	32.9	36.1	40.5
70°	40.5	33.9	29.6	33.9	39.4
72.5°	39.4	31.8	27.4	31.8	39.4
75°	39.4	29.6	24.1	29.6	38.3
77.5°	37.2	27.4	20.8	27.4	36.1
80°	32.9	25.2	17.5	24.1	30.7
82.5°	24.1	21.9	13.1	20.8	23.0
85°	13.1	15.3	8.8	14.2	12.0
87.5°	2.2	3.3	2.2	6.6	4.4



TEST NUMBER: P1316398

CATALOG NUMBER: P3SQAS17R309827DE010 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)