

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: P1316397

Luminaire Tested: P3SQAS17R309827DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316397
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R309827DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

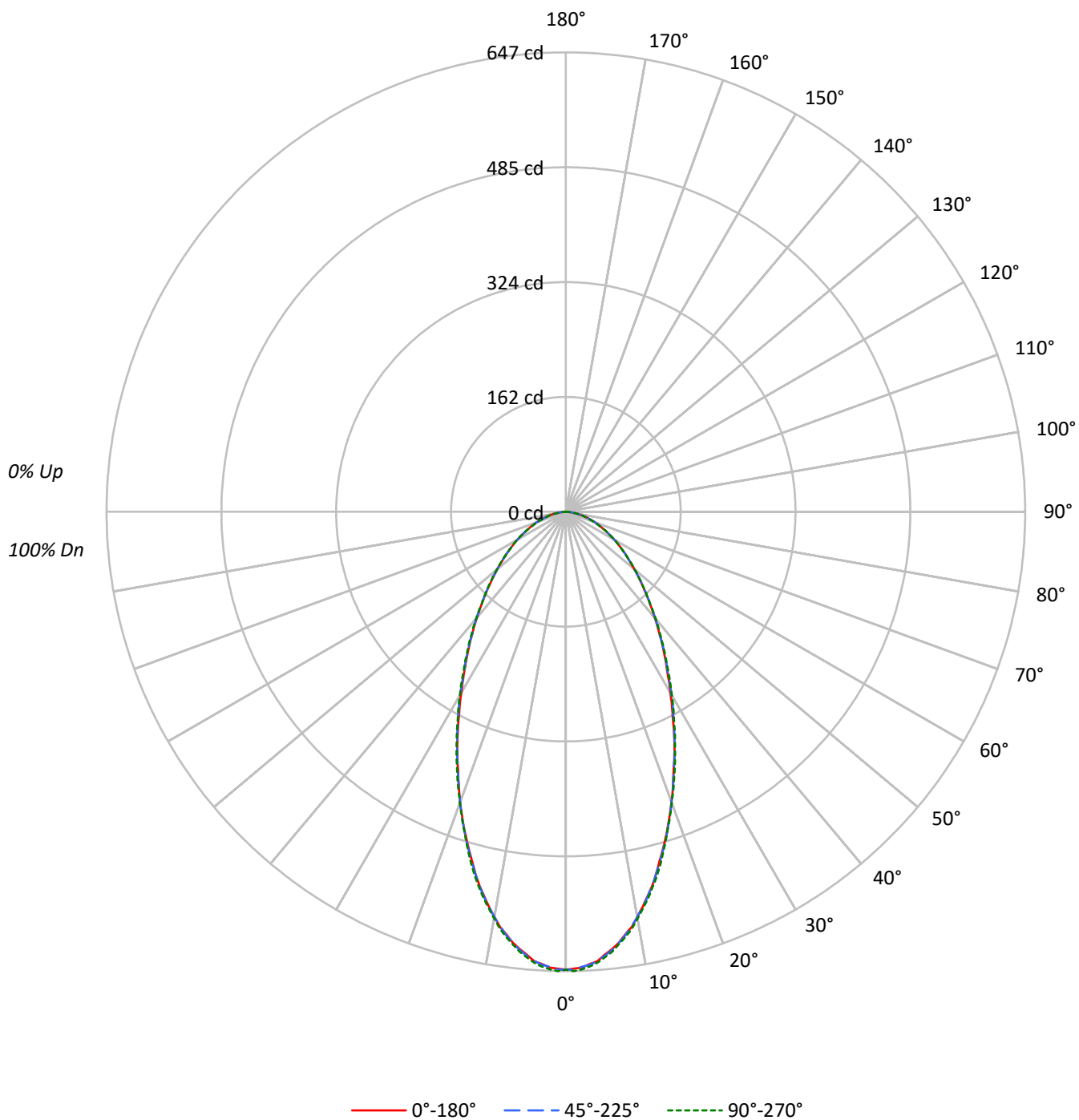
Lumens per Lamp: N/A
Luminaire Lumens: 827.9 lumens
Efficiency: N/A
Efficacy: 40.6 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1316397

CATALOG NUMBER: P3SQAS17R309827DE010 E3SQPHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1316397

CATALOG NUMBER: P3SQAS17R309827DE010 E3SQPHLD1MW

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	103	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	90	85	100	94	89	84	91	86	83		87	84	81		85
3	95	86	80	74	93	85	79	74	82	77	72		79	75	71		77
4	89	78	71	65	87	77	70	65	75	69	64		73	67	63		71
5	83	72	64	58	81	71	63	58	69	62	57		67	61	57		65
6	77	66	58	52	76	65	58	52	63	57	52		62	56	51		60
7	72	61	53	48	71	60	53	47	58	52	47		57	51	47		56
8	68	56	49	44	67	56	48	43	54	48	43		53	47	43		52
9	64	52	45	40	63	52	45	40	51	44	40		50	44	40		49
10	61	49	42	37	60	48	42	37	48	41	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	111049	111049	111049
5°	108310	108517	108897
10°	101343	101343	101745
15°	90878	91075	91699
20°	79762	79762	79981
25°	68771	68771	69208
30°	58546	59222	59441
35°	50564	50816	51047
40°	43773	44042	44290
45°	38215	38507	38507
50°	33759	33759	34054
55°	30266	30266	30266
60°	27211	27211	27211
65°	24288	24288	24288
70°	21904	21904	21904
75°	19829	19031	19031
80°	17059	15869	15869
85°	11263	11263	11263

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 38507 cd/sqm

TEST NUMBER: P1316397

CATALOG NUMBER: P3SQAS17R309827DE010 E3SQPHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.4	7.1
10°-20°	142.4	17.2
20°-30°	166.3	20.1
30°-40°	151.3	18.3
40°-50°	122.2	14.8
50°-60°	90.2	10.9
60°-70°	59.4	7.2
70°-80°	30.7	3.7
80°-90°	7.0	0.8
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°	367.0	44.3
0°-40°	518.4	62.6
0°-60°	730.8	88.3
0°-90°	827.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	827.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	645	645	645	645	645	
5°	626	626	628	628	630	58
15°	510	511	511	511	514	142
25°	362	361	362	362	364	166
35°	240	239	242	242	243	151
45°	157	158	158	158	158	122
55°	101	100	101	100	101	90
65°	60	60	60	60	60	60
75°	30	29	29	29	29	32
85°	6	6	6	6	6	7
90°	0	0	0	0	0	

TEST NUMBER: P1316397

CATALOG NUMBER: P3SQAS17R309827DE010 E3SQPHLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	644.8	644.8	644.8	644.8	644.8
1°	643.7	643.7	644.8	643.7	647.1
2°	642.5	641.4	641.4	641.4	644.8
3°	638.0	638.0	639.1	638.0	641.4
4°	634.5	633.4	634.5	633.4	636.8
5°	626.5	626.5	627.7	627.7	629.9
6°	619.6	619.6	620.8	619.6	623.1
7°	611.6	611.6	611.6	611.6	613.9
8°	601.3	601.3	602.5	602.5	604.7
9°	592.1	591.0	591.0	591.0	594.4
10°	579.5	579.5	579.5	579.5	581.8
11°	566.9	566.9	566.9	566.9	569.2
12°	553.2	553.2	554.3	553.2	556.6
13°	540.6	540.6	540.6	540.6	542.9
14°	525.7	524.6	525.7	525.7	529.2
15°	509.7	510.8	510.8	510.8	514.3
17.5°	473.0	473.0	474.2	471.9	474.2
20°	435.2	434.1	435.2	435.2	436.4
22.5°	396.3	397.4	397.4	397.4	399.7
25°	361.9	360.8	361.9	361.9	364.2
27.5°	326.4	327.6	328.7	327.6	329.9
30°	294.4	296.6	297.8	295.5	298.9
32.5°	265.7	265.7	266.9	268.0	269.2
35°	240.5	239.4	241.7	241.7	242.8
37.5°	216.5	216.5	216.5	217.6	218.8
40°	194.7	194.7	195.9	195.9	197.0
42.5°	175.2	174.1	175.2	175.2	175.2
45°	156.9	158.1	158.1	158.1	158.1
47.5°	140.9	140.9	142.0	140.9	142.0
50°	126.0	126.0	126.0	126.0	127.1
52.5°	112.2	112.2	112.2	112.2	113.4
55°	100.8	99.6	100.8	99.6	100.8
57.5°	89.3	89.3	89.3	89.3	89.3
60°	79.0	77.9	79.0	77.9	79.0
62.5°	68.7	68.7	68.7	68.7	68.7
65°	59.6	59.6	59.6	59.6	59.6
67.5°	51.5	51.5	51.5	50.4	50.4
70°	43.5	43.5	43.5	43.5	43.5
72.5°	36.7	35.5	35.5	35.5	35.5
75°	29.8	28.6	28.6	28.6	28.6
77.5°	22.9	22.9	21.8	21.8	22.9
80°	17.2	16.0	16.0	16.0	16.0
82.5°	10.3	10.3	10.3	10.3	10.3
85°	5.7	5.7	5.7	5.7	5.7
87.5°	1.1	1.1	1.1	2.3	2.3



TEST NUMBER: P1316397

CATALOG NUMBER: P3SQAS17R309827DE010 E3SQPHLD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)