

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: P1312594

Luminaire Tested: P3SQAS17R309727DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312594
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: P3SQAS17R309727DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

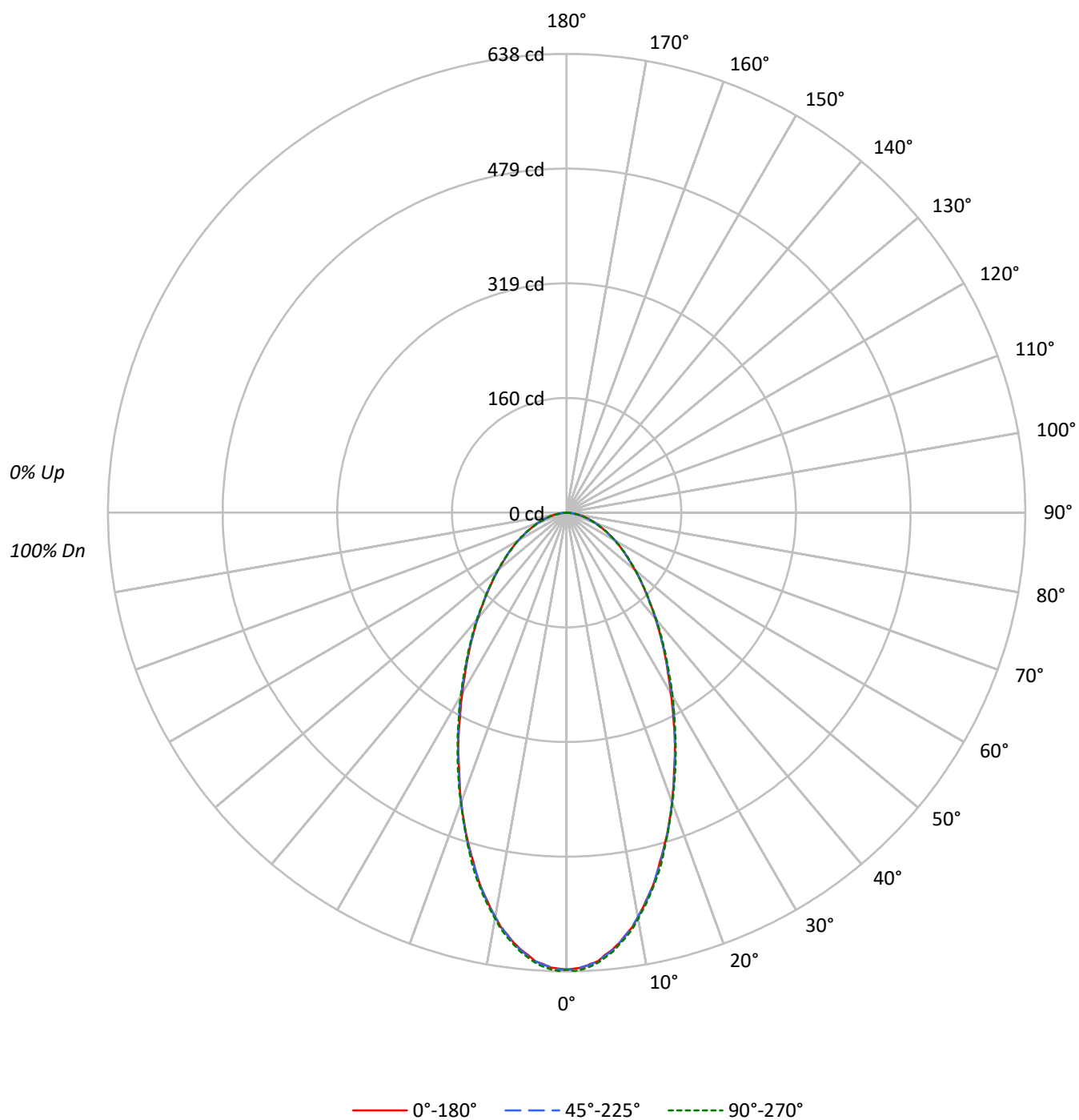
Lumens per Lamp: N/A
Luminaire Lumens: 816.0 lumens
Efficiency: N/A
Efficacy: 38.5 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1312594

CATALOG NUMBER: P3SQAS17R309727DE010 E3SQPHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1312594

CATALOG NUMBER: P3SQAS17R309727DE010 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	86	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°	109447	109447	109447
5°	106736	106944	107324
10°	99874	99874	100276
15°	89559	89755	90361
20°	78607	78607	78827
25°	67783	67783	68201
30°	57691	58367	58586
35°	49828	50080	50312
40°	43143	43390	43638
45°	37654	37947	37947
50°	33277	33277	33572
55°	29816	29816	29816
60°	26832	26832	26832
65°	23921	23921	23921
70°	21602	21602	21602
75°	19497	18765	18765
80°	16761	15670	15670
85°	11066	11066	11066

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 37947 cd/sqm

TEST NUMBER: P1312594

CATALOG NUMBER: P3SQAS17R309727DE010 E3SQPHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.5	7.1
10°-20°	140.3	17.2
20°-30°	163.9	20.1
30°-40°	149.1	18.3
40°-50°	120.5	14.8
50°-60°	88.9	10.9
60°-70°	58.6	7.2
70°-80°	30.3	3.7
80°-90°	6.9	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°	361.7	44.3
0°-40°	510.8	62.6
0°-60°	720.3	88.3
0°-90°	816.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	816.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	636	636	636	636	636	
5°	617	617	619	619	621	58
15°	502	503	503	503	507	140
25°	357	356	357	357	359	163
35°	237	236	238	238	239	149
45°	155	156	156	156	156	120
55°	99	98	99	98	99	89
65°	59	59	59	59	59	59
75°	29	28	28	28	28	31
85°	6	6	6	6	6	7
90°	0	0	0	0	0	

TEST NUMBER: P1312594

CATALOG NUMBER: P3SQAS17R309727DE010 E3SQPHLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	635.5	635.5	635.5	635.5	635.5
1°	634.4	634.4	635.5	634.4	637.7
2°	633.2	632.1	632.1	632.1	635.5
3°	628.7	628.7	629.8	628.7	632.1
4°	625.3	624.2	625.3	624.2	627.6
5°	617.4	617.4	618.6	618.6	620.8
6°	610.7	610.7	611.8	610.7	614.0
7°	602.8	602.8	602.8	602.8	605.0
8°	592.6	592.6	593.7	593.7	596.0
9°	583.6	582.4	582.4	582.4	585.8
10°	571.1	571.1	571.1	571.1	573.4
11°	558.7	558.7	558.7	558.7	561.0
12°	545.2	545.2	546.3	545.2	548.6
13°	532.8	532.8	532.8	532.8	535.0
14°	518.1	517.0	518.1	518.1	521.5
15°	502.3	503.4	503.4	503.4	506.8
17.5°	466.2	466.2	467.3	465.0	467.3
20°	428.9	427.8	428.9	428.9	430.1
22.5°	390.5	391.7	391.7	391.7	393.9
25°	356.7	355.6	356.7	356.7	358.9
27.5°	321.7	322.8	324.0	322.8	325.1
30°	290.1	292.3	293.5	291.2	294.6
32.5°	261.9	261.9	263.0	264.1	265.3
35°	237.0	235.9	238.2	238.2	239.3
37.5°	213.3	213.3	213.3	214.5	215.6
40°	191.9	191.9	193.0	193.0	194.1
42.5°	172.7	171.6	172.7	172.7	172.7
45°	154.6	155.8	155.8	155.8	155.8
47.5°	138.8	138.8	140.0	138.8	140.0
50°	124.2	124.2	124.2	124.2	125.3
52.5°	110.6	110.6	110.6	110.6	111.7
55°	99.3	98.2	99.3	98.2	99.3
57.5°	88.0	88.0	88.0	88.0	88.0
60°	77.9	76.8	77.9	76.8	77.9
62.5°	67.7	67.7	67.7	67.7	67.7
65°	58.7	58.7	58.7	58.7	58.7
67.5°	50.8	50.8	50.8	49.7	49.7
70°	42.9	42.9	42.9	42.9	42.9
72.5°	36.1	35.0	35.0	35.0	35.0
75°	29.3	28.2	28.2	28.2	28.2
77.5°	22.6	22.6	21.4	21.4	22.6
80°	16.9	15.8	15.8	15.8	15.8
82.5°	10.2	10.2	10.2	10.2	10.2
85°	5.6	5.6	5.6	5.6	5.6
87.5°	1.1	1.1	1.1	2.3	2.3



TEST NUMBER: P1312594

CATALOG NUMBER: P3SQAS17R309727DE010 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)