

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: P1309276

Luminaire Tested: P3SQAS17R259035DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309276
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R259035DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

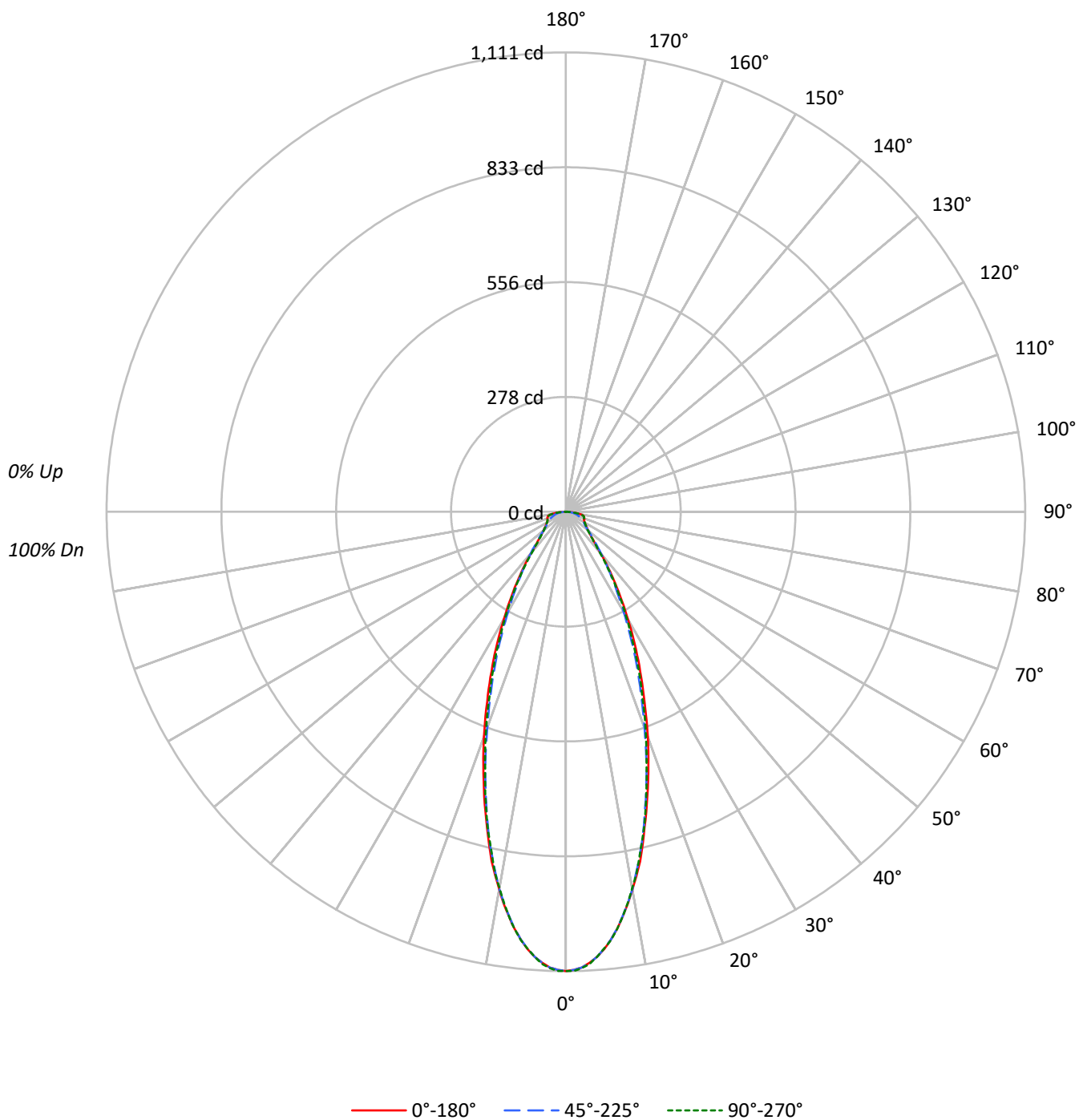
Lumens per Lamp: N/A
Luminaire Lumens: 839.0 lumens
Efficiency: N/A
Efficacy: 39.6 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1309276

CATALOG NUMBER: P3SQAS17R259035DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1309276

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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	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	191322	191322	191322
5°	183565	183340	183340
10°	162288	162043	161589
15°	134009	132119	132832
20°	106172	101791	103496
25°	80856	76581	78595
30°	59580	55364	57731
35°	42638	40682	41250
40°	29204	29811	28305
45°	21628	22919	21311
50°	18836	18836	18460
55°	17926	17115	17926
60°	18256	16878	18256
65°	19968	17279	19968
70°	24019	17372	23365
75°	30010	18499	30010
80°	38085	19737	35506
85°	31419	18377	31419

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 38085 cd/sqm

TEST NUMBER: P1309276

CATALOG NUMBER: P3SQAS17R259035DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.9	11.6
10°-20°	206.0	24.5
20°-30°	188.7	22.5
30°-40°	124.5	14.8
40°-50°	72.5	8.6
50°-60°	52.9	6.3
60°-70°	44.9	5.4
70°-80°	37.2	4.4
80°-90°	15.3	1.8
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°	491.7	58.6
0°-40°	616.1	73.4
0°-60°	741.5	88.4
0°-90°	839.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	839.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1111	1111	1111	1111	1111	
5°	1062	1060	1060	1062	1060	97
15°	752	749	741	744	745	208
25°	426	414	403	404	414	196
35°	203	199	194	194	196	128
45°	89	92	94	89	88	72
55°	60	60	57	58	60	54
65°	49	45	42	45	49	49
75°	45	34	28	34	45	47
85°	16	17	9	17	16	18
90°	0	0	0	0	0	

TEST NUMBER: P1309276

CATALOG NUMBER: P3SQAS17R259035DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1110.9	1110.9	1110.9	1110.9	1110.9
1°	1108.2	1108.2	1108.2	1108.2	1110.9
2°	1102.9	1101.6	1102.9	1102.9	1104.3
3°	1092.3	1092.3	1092.3	1092.3	1095.0
4°	1079.1	1079.1	1079.1	1079.1	1079.1
5°	1061.8	1060.5	1060.5	1061.8	1060.5
6°	1040.6	1040.6	1040.6	1040.6	1042.0
7°	1016.8	1015.5	1015.5	1014.1	1016.8
8°	988.9	988.9	987.6	986.3	988.9
9°	959.8	961.1	958.4	957.1	957.1
10°	928.0	926.6	926.6	926.6	924.0
11°	896.1	892.2	890.8	890.8	893.5
12°	864.3	857.7	855.0	855.0	855.0
13°	825.9	823.2	819.3	816.6	817.9
14°	787.4	787.4	780.8	780.8	783.5
15°	751.6	749.0	741.0	743.7	745.0
17.5°	662.8	657.5	648.2	648.2	649.6
20°	579.3	570.0	555.4	562.1	564.7
22.5°	497.1	487.8	473.3	479.9	482.5
25°	425.5	413.6	403.0	404.3	413.6
27.5°	360.6	347.3	336.7	340.7	346.0
30°	299.6	291.6	278.4	285.0	290.3
32.5°	247.9	241.3	232.0	236.0	241.3
35°	202.8	198.8	193.5	193.5	196.2
37.5°	164.4	163.1	160.4	159.1	157.8
40°	129.9	132.6	132.6	129.9	125.9
42.5°	106.1	108.7	111.4	106.1	102.1
45°	88.8	91.5	94.1	88.8	87.5
47.5°	78.2	79.5	80.9	78.2	76.9
50°	70.3	70.3	70.3	68.9	68.9
52.5°	65.0	63.6	62.3	63.6	63.6
55°	59.7	59.7	57.0	58.3	59.7
57.5°	55.7	54.4	53.0	54.4	55.7
60°	53.0	50.4	49.0	50.4	53.0
62.5°	50.4	47.7	45.1	47.7	50.4
65°	49.0	45.1	42.4	45.1	49.0
67.5°	47.7	42.4	38.4	42.4	47.7
70°	47.7	39.8	34.5	39.8	46.4
72.5°	46.4	37.1	31.8	37.1	46.4
75°	45.1	34.5	27.8	34.5	45.1
77.5°	43.7	31.8	23.9	31.8	42.4
80°	38.4	29.2	19.9	29.2	35.8
82.5°	27.8	23.9	15.9	23.9	26.5
85°	15.9	17.2	9.3	17.2	15.9
87.5°	2.7	4.0	2.7	6.6	5.3



TEST NUMBER: P1309276

CATALOG NUMBER: P3SQAS17R259035DE010 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)