

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: P1306051

Luminaire Tested: P3SQAS17R209024DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306051
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R209024DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

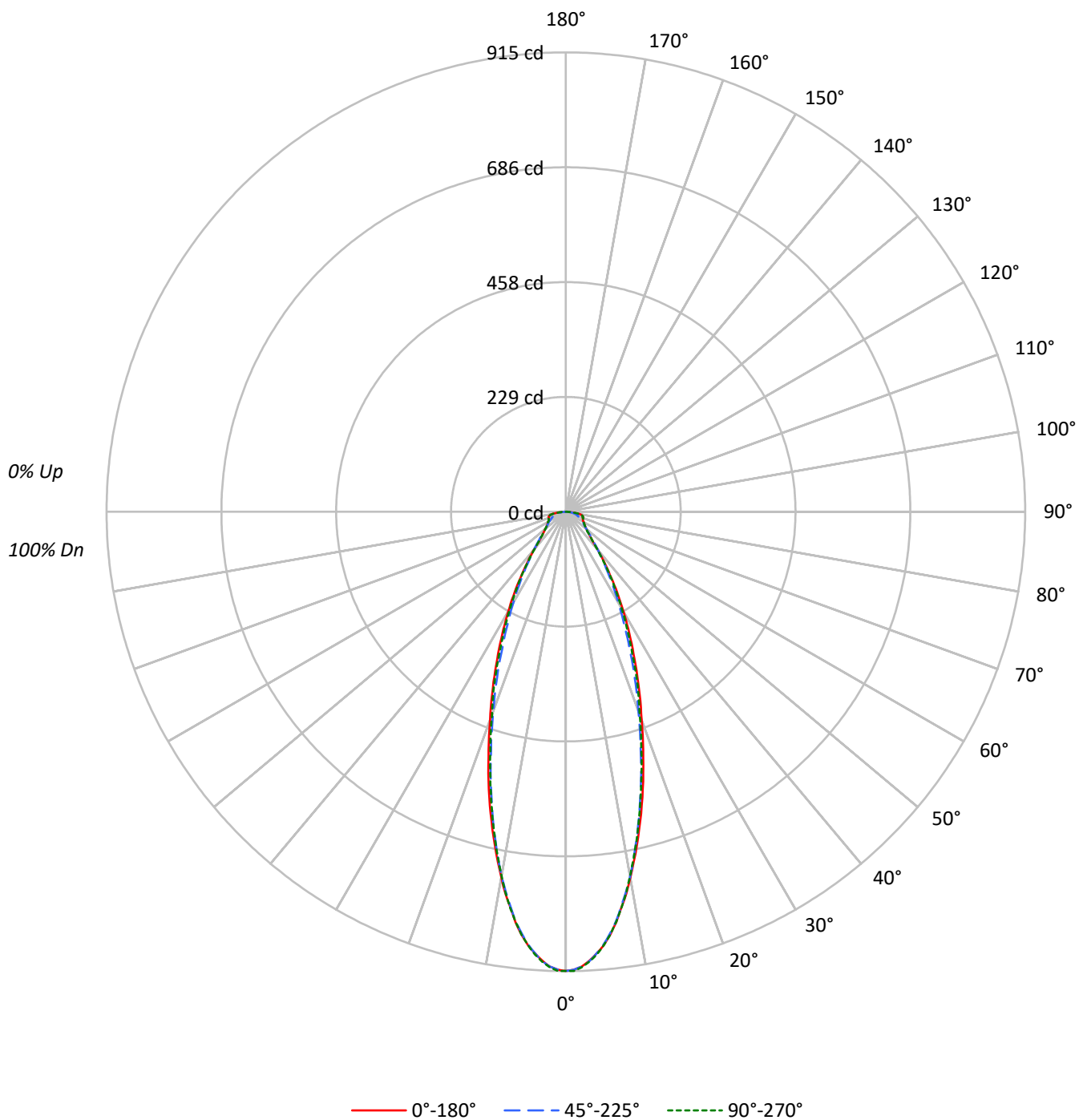
Lumens per Lamp: N/A
Luminaire Lumens: 645.0 lumens
Efficiency: N/A
Efficacy: 30.4 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1306051

CATALOG NUMBER: P3SQAS17R209024DE010 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	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	98	90	84	79	96	88	83	78	85	81	77		83	79	75		81
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	68	64		72	67	63		71
6	82	72	65	60	81	71	65	60	69	64	59		68	63	59		67
7	78	67	61	56	77	67	60	56	65	60	55		64	59	55		63
8	74	63	57	52	73	63	57	52	62	56	52		61	55	52		60
9	71	60	53	49	69	59	53	49	58	53	49		57	52	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	157515	157515	157515
5°	149870	149490	149870
10°	129393	128991	128799
15°	105000	102575	102985
20°	80898	77361	78827
25°	61455	56932	59725
30°	45580	41523	44228
35°	32210	30065	31726
40°	22190	22190	21695
45°	16318	17147	16318
50°	14281	14281	14281
55°	13632	13302	13632
60°	14088	12882	14088
65°	15241	12959	15241
70°	18279	13143	18279
75°	23423	14373	23423
80°	29258	14679	28167
85°	22329	13437	24700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 29258 cd/sqm

TEST NUMBER: P1306051

CATALOG NUMBER: P3SQAS17R209024DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.5	12.2
10°-20°	160.2	24.8
20°-30°	143.1	22.2
30°-40°	93.9	14.6
40°-50°	54.6	8.5
50°-60°	40.5	6.3
60°-70°	34.2	5.3
70°-80°	28.3	4.4
80°-90°	11.8	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°	381.7	59.2
0°-40°	475.6	73.7
0°-60°	570.7	88.5
0°-90°	645.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	645.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	915	915	915	915	915	
5°	867	866	865	866	867	79
15°	589	583	575	576	578	163
25°	323	314	300	308	314	149
35°	153	149	143	148	151	97
45°	67	68	70	68	67	54
55°	45	44	44	44	45	41
65°	37	34	32	34	37	37
75°	35	26	22	26	35	36
85°	11	12	7	12	12	13
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	914.6	914.6	914.6	914.6	914.6
1°	912.3	913.5	912.3	913.5	914.6
2°	906.7	907.8	906.7	906.7	907.8
3°	895.3	896.5	896.5	896.5	897.6
4°	881.7	882.8	881.7	882.8	884.0
5°	866.9	865.8	864.7	865.8	866.9
6°	846.5	845.4	844.3	845.4	846.5
7°	823.8	822.7	821.6	821.6	822.7
8°	795.5	796.6	793.2	795.5	796.6
9°	770.5	768.2	766.0	766.0	768.2
10°	739.9	737.6	737.6	736.5	736.5
12.5°	665.0	660.4	657.0	657.0	658.2
15°	588.9	583.3	575.3	576.5	577.6
17.5°	512.9	506.1	495.9	498.2	500.4
20°	441.4	434.6	422.1	426.7	430.1
22.5°	380.1	369.9	358.6	362.0	373.3
25°	323.4	314.3	299.6	307.5	314.3
27.5°	273.5	263.3	250.8	258.7	265.5
30°	229.2	220.1	208.8	215.6	222.4
32.5°	189.5	181.6	173.6	178.2	183.8
35°	153.2	148.7	143.0	147.5	150.9
37.5°	123.7	121.4	119.1	121.4	120.3
40°	98.7	99.9	98.7	98.7	96.5
42.5°	78.3	81.7	82.8	80.6	78.3
45°	67.0	68.1	70.4	68.1	67.0
47.5°	59.0	59.0	60.1	59.0	57.9
50°	53.3	53.3	53.3	53.3	53.3
52.5°	48.8	48.8	47.7	48.8	48.8
55°	45.4	44.3	44.3	44.3	45.4
57.5°	43.1	42.0	40.9	42.0	43.1
60°	40.9	38.6	37.4	38.6	40.9
62.5°	38.6	36.3	35.2	36.3	38.6
65°	37.4	34.0	31.8	34.0	37.4
67.5°	36.3	31.8	29.5	31.8	37.4
70°	36.3	29.5	26.1	30.6	36.3
72.5°	35.2	28.4	23.8	28.4	35.2
75°	35.2	26.1	21.6	26.1	35.2
77.5°	32.9	23.8	18.2	23.8	32.9
80°	29.5	21.6	14.8	21.6	28.4
82.5°	21.6	18.2	11.3	18.2	21.6
85°	11.3	12.5	6.8	12.5	12.5
87.5°	1.1	4.5	2.3	6.8	5.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)