

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: P1316218

Luminaire Tested: P3SQAS13R209827DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316218
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: P3SQAS13R209827DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

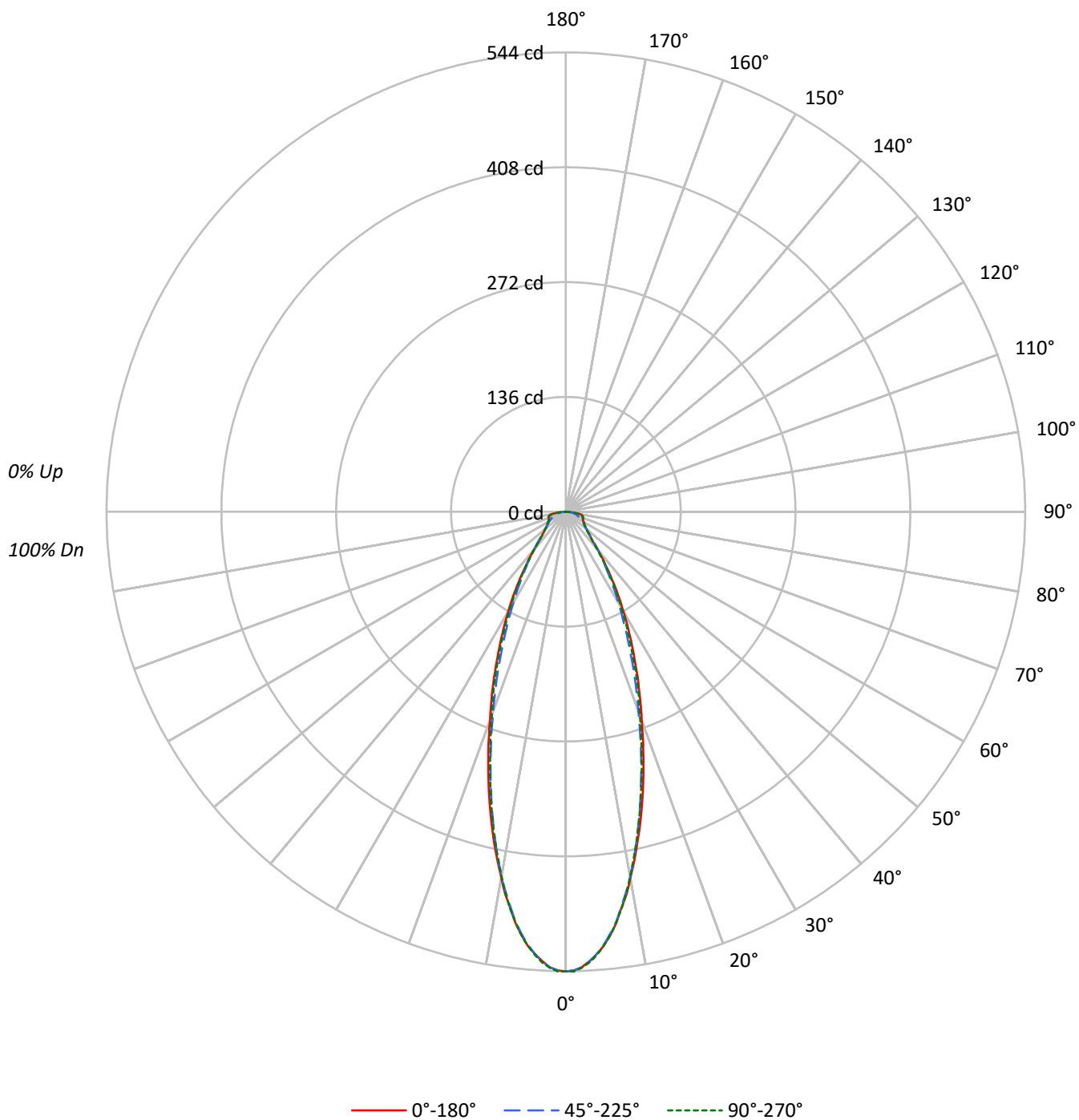
Lumens per Lamp: N/A
Luminaire Lumens: 384.0 lumens
Efficiency: N/A
Efficacy: 26.5 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1316218

CATALOG NUMBER: P3SQAS13R209827DE010 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	64		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		58	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°	93775	93775	93775
5°	89224	88999	89224
10°	77034	76790	76667
15°	62511	61067	61317
20°	48165	46057	46919
25°	36580	33901	35554
30°	27145	24719	26330
35°	19174	17892	18901
40°	13219	13219	12905
45°	9718	10205	9718
50°	8520	8520	8520
55°	8107	7897	8107
60°	8370	7681	8370
65°	9088	7702	9088
70°	10877	7805	10877
75°	13907	8517	13907
80°	17456	8728	16761
85°	13437	8102	14623

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 17456 cd/sqm

TEST NUMBER: P1316218

CATALOG NUMBER: P3SQAS13R209827DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.7	12.2
10°-20°	95.4	24.8
20°-30°	85.2	22.2
30°-40°	55.9	14.6
40°-50°	32.5	8.5
50°-60°	24.1	6.3
60°-70°	20.4	5.3
70°-80°	16.8	4.4
80°-90°	7.0	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°	227.3	59.2
0°-40°	283.2	73.7
0°-60°	339.8	88.5
0°-90°	384.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	384.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	544	544	544	544	544	
5°	516	516	515	516	516	47
15°	351	347	342	343	344	97
25°	192	187	178	183	187	89
35°	91	88	85	88	90	58
45°	40	40	42	40	40	32
55°	27	26	26	26	27	25
65°	22	20	19	20	22	22
75°	21	16	13	16	21	21
85°	7	7	4	7	7	8
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	544.5	544.5	544.5	544.5	544.5
1°	543.2	543.8	543.2	543.8	544.5
2°	539.8	540.5	539.8	539.8	540.5
3°	533.0	533.7	533.7	533.7	534.4
4°	524.9	525.6	524.9	525.6	526.3
5°	516.1	515.5	514.8	515.5	516.1
6°	504.0	503.3	502.6	503.3	504.0
7°	490.5	489.8	489.1	489.1	489.8
8°	473.6	474.3	472.2	473.6	474.3
9°	458.7	457.4	456.0	456.0	457.4
10°	440.5	439.1	439.1	438.4	438.4
12.5°	395.9	393.2	391.2	391.2	391.8
15°	350.6	347.2	342.5	343.2	343.9
17.5°	305.4	301.3	295.2	296.6	297.9
20°	262.8	258.7	251.3	254.0	256.0
22.5°	226.3	220.2	213.5	215.5	222.3
25°	192.5	187.1	178.4	183.1	187.1
27.5°	162.8	156.7	149.3	154.0	158.1
30°	136.5	131.1	124.3	128.4	132.4
32.5°	112.8	108.1	103.4	106.1	109.4
35°	91.2	88.5	85.1	87.8	89.9
37.5°	73.6	72.3	70.9	72.3	71.6
40°	58.8	59.5	58.8	58.8	57.4
42.5°	46.6	48.6	49.3	48.0	46.6
45°	39.9	40.5	41.9	40.5	39.9
47.5°	35.1	35.1	35.8	35.1	34.5
50°	31.8	31.8	31.8	31.8	31.8
52.5°	29.0	29.0	28.4	29.0	29.0
55°	27.0	26.3	26.3	26.3	27.0
57.5°	25.7	25.0	24.3	25.0	25.7
60°	24.3	23.0	22.3	23.0	24.3
62.5°	23.0	21.6	20.9	21.6	23.0
65°	22.3	20.3	18.9	20.3	22.3
67.5°	21.6	18.9	17.6	18.9	22.3
70°	21.6	17.6	15.5	18.2	21.6
72.5°	20.9	16.9	14.2	16.9	20.9
75°	20.9	15.5	12.8	15.5	20.9
77.5°	19.6	14.2	10.8	14.2	19.6
80°	17.6	12.8	8.8	12.8	16.9
82.5°	12.8	10.8	6.8	10.8	12.8
85°	6.8	7.4	4.1	7.4	7.4
87.5°	0.7	2.7	1.4	4.1	3.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)