

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: P1317240

Luminaire Tested: P3SQAS17R209830DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317240
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: P3SQAS17R209830DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

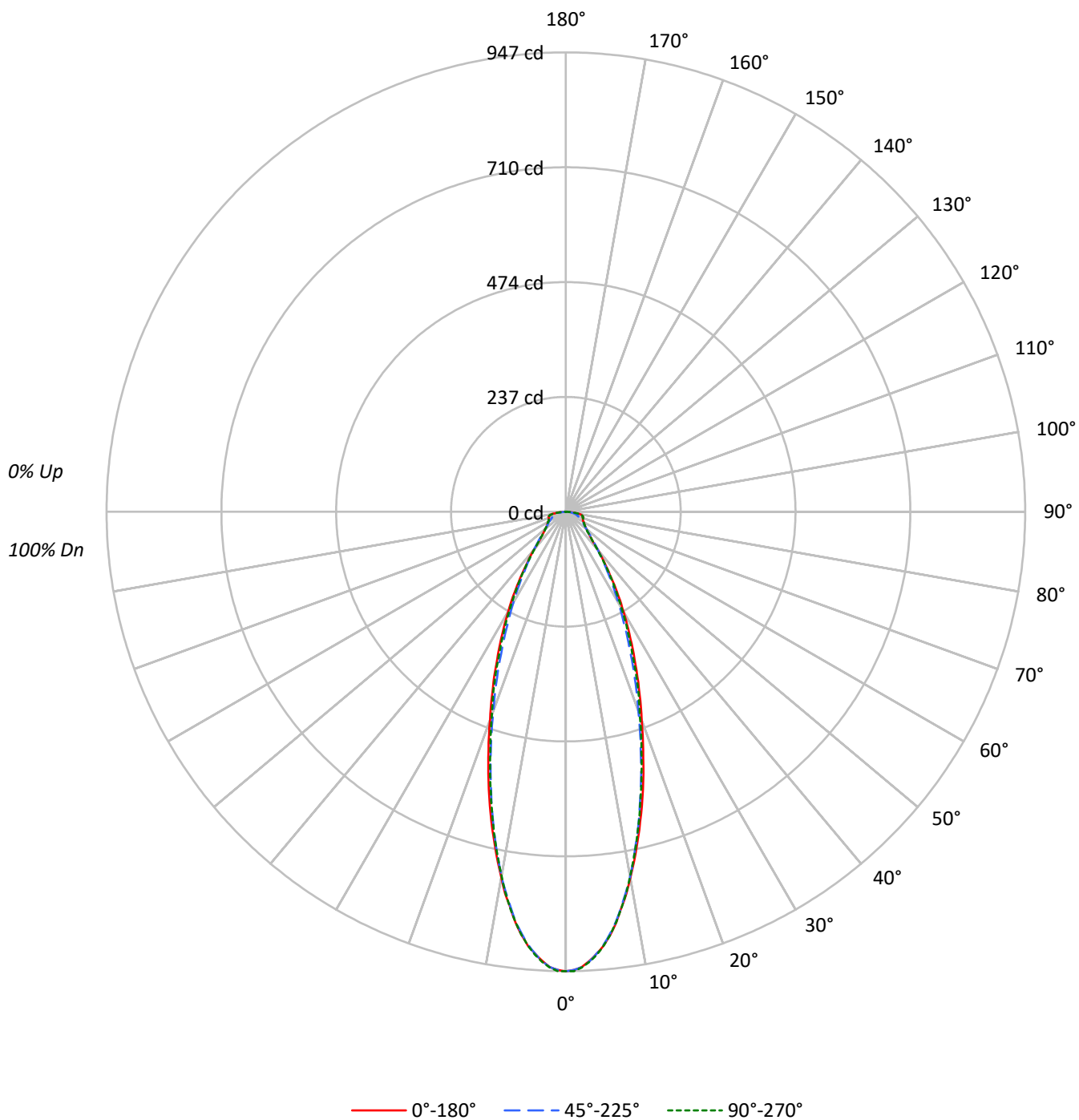
Lumens per Lamp: N/A
Luminaire Lumens: 668.0 lumens
Efficiency: N/A
Efficacy: 32.7 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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°	163129	163129	163129
5°	155229	154814	155229
10°	133993	133590	133381
15°	108744	106230	106658
20°	83794	80128	81631
25°	63640	58965	61854
30°	47211	42995	45799
35°	33366	31137	32861
40°	22977	22977	22460
45°	16879	17755	16879
50°	14790	14790	14790
55°	14112	13752	14112
60°	14570	13364	14570
65°	15812	13407	15812
70°	18933	13596	18933
75°	24221	14839	24221
80°	30349	15174	29159
85°	23317	14030	25491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 30349 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.3	12.2
10°-20°	165.9	24.8
20°-30°	148.2	22.2
30°-40°	97.2	14.6
40°-50°	56.5	8.5
50°-60°	41.9	6.3
60°-70°	35.5	5.3
70°-80°	29.3	4.4
80°-90°	12.2	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°	395.4	59.2
0°-40°	492.6	73.7
0°-60°	591.0	88.5
0°-90°	668.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	668.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	947	947	947	947	947	
5°	898	897	896	897	898	81
15°	610	604	596	597	598	169
25°	335	326	310	318	326	154
35°	159	154	148	153	156	101
45°	69	70	73	70	69	56
55°	47	46	46	46	47	43
65°	39	35	33	35	39	39
75°	36	27	22	27	36	37
85°	12	13	7	13	13	14
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	947.2	947.2	947.2	947.2	947.2
1°	944.9	946.0	944.9	946.0	947.2
2°	939.0	940.2	939.0	939.0	940.2
3°	927.2	928.4	928.4	928.4	929.6
4°	913.1	914.3	913.1	914.3	915.5
5°	897.9	896.7	895.5	896.7	897.9
6°	876.7	875.5	874.4	875.5	876.7
7°	853.2	852.0	850.9	850.9	852.0
8°	823.8	825.0	821.5	823.8	825.0
9°	798.0	795.6	793.3	793.3	795.6
10°	766.2	763.9	763.9	762.7	762.7
12.5°	688.7	684.0	680.4	680.4	681.6
15°	609.9	604.1	595.8	597.0	598.2
17.5°	531.2	524.1	513.6	515.9	518.3
20°	457.2	450.1	437.2	441.9	445.4
22.5°	393.7	383.1	371.4	374.9	386.6
25°	334.9	325.5	310.3	318.5	325.5
27.5°	283.2	272.6	259.7	267.9	275.0
30°	237.4	228.0	216.2	223.3	230.3
32.5°	196.3	188.0	179.8	184.5	190.4
35°	158.7	154.0	148.1	152.8	156.3
37.5°	128.1	125.7	123.4	125.7	124.6
40°	102.2	103.4	102.2	102.2	99.9
42.5°	81.1	84.6	85.8	83.4	81.1
45°	69.3	70.5	72.9	70.5	69.3
47.5°	61.1	61.1	62.3	61.1	59.9
50°	55.2	55.2	55.2	55.2	55.2
52.5°	50.5	50.5	49.4	50.5	50.5
55°	47.0	45.8	45.8	45.8	47.0
57.5°	44.7	43.5	42.3	43.5	44.7
60°	42.3	40.0	38.8	40.0	42.3
62.5°	40.0	37.6	36.4	37.6	40.0
65°	38.8	35.3	32.9	35.3	38.8
67.5°	37.6	32.9	30.6	32.9	38.8
70°	37.6	30.6	27.0	31.7	37.6
72.5°	36.4	29.4	24.7	29.4	36.4
75°	36.4	27.0	22.3	27.0	36.4
77.5°	34.1	24.7	18.8	24.7	34.1
80°	30.6	22.3	15.3	22.3	29.4
82.5°	22.3	18.8	11.8	18.8	22.3
85°	11.8	12.9	7.1	12.9	12.9
87.5°	1.2	4.7	2.4	7.1	5.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)