

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: P1317419

Luminaire Tested: P3SQAS20R309830D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317419
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: P3SQAS20R309830D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

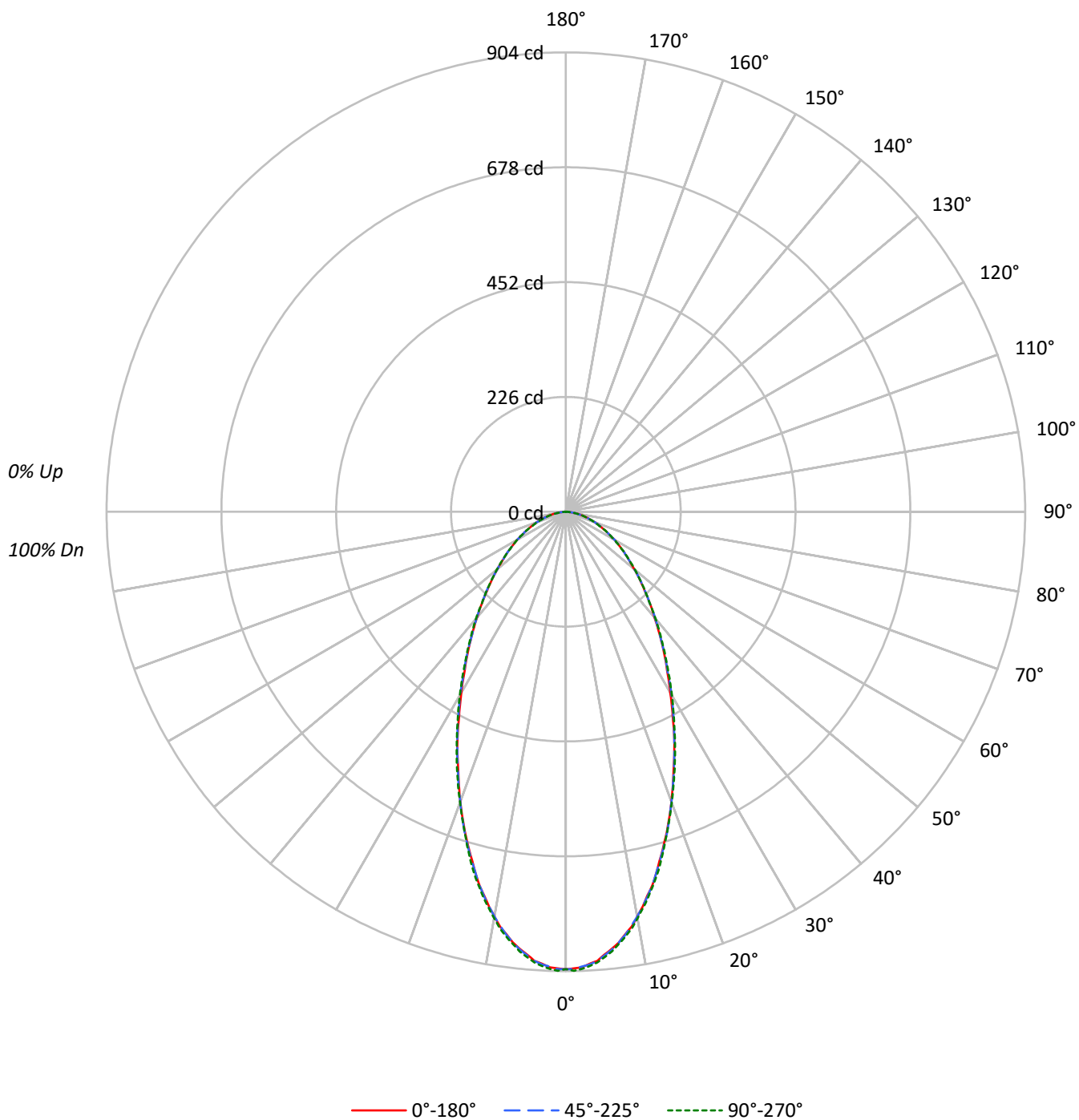
Lumens per Lamp: N/A
Luminaire Lumens: 1156.0 lumens
Efficiency: N/A
Efficacy: 42.2 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	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	73	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°	155052	155052	155052
5°	151219	151495	152048
10°	141495	141495	142055
15°	126877	127162	128018
20°	111358	111358	111651
25°	96020	96020	96629
30°	81734	82688	83006
35°	70600	70937	71273
40°	61106	61466	61826
45°	53364	53754	53754
50°	47129	47129	47558
55°	42247	42247	42247
60°	37992	37992	37992
65°	33905	33905	33905
70°	30616	30616	30616
75°	27681	26617	26617
80°	23803	22216	22216
85°	15808	15808	15808

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 53754 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.5	7.1
10°-20°	198.8	17.2
20°-30°	232.2	20.1
30°-40°	211.2	18.3
40°-50°	170.7	14.8
50°-60°	126.0	10.9
60°-70°	83.0	7.2
70°-80°	42.9	3.7
80°-90°	9.8	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°	512.5	44.3
0°-40°	723.7	62.6
0°-60°	1020.4	88.3
0°-90°	1156.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1156.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	900	900	900	900	900	
5°	875	875	876	876	880	81
15°	712	713	713	713	718	199
25°	505	504	505	505	508	232
35°	336	334	337	337	339	210
45°	219	221	221	221	221	170
55°	141	139	141	139	141	126
65°	83	83	83	83	83	83
75°	42	40	40	40	40	44
85°	8	8	8	8	8	10
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	900.3	900.3	900.3	900.3	900.3
1°	898.7	898.7	900.3	898.7	903.5
2°	897.1	895.5	895.5	895.5	900.3
3°	890.7	890.7	892.3	890.7	895.5
4°	885.9	884.3	885.9	884.3	889.1
5°	874.7	874.7	876.3	876.3	879.5
6°	865.1	865.1	866.7	865.1	869.9
7°	853.9	853.9	853.9	853.9	857.1
8°	839.5	839.5	841.1	841.1	844.3
9°	826.7	825.1	825.1	825.1	829.9
10°	809.1	809.1	809.1	809.1	812.3
11°	791.5	791.5	791.5	791.5	794.7
12°	772.3	772.3	773.9	772.3	777.1
13°	754.8	754.8	754.8	754.8	758.0
14°	734.0	732.4	734.0	734.0	738.8
15°	711.6	713.2	713.2	713.2	718.0
17.5°	660.4	660.4	662.0	658.8	662.0
20°	607.6	606.0	607.6	607.6	609.2
22.5°	553.3	554.9	554.9	554.9	558.1
25°	505.3	503.7	505.3	505.3	508.5
27.5°	455.7	457.3	458.9	457.3	460.5
30°	411.0	414.2	415.8	412.6	417.4
32.5°	371.0	371.0	372.6	374.2	375.8
35°	335.8	334.2	337.4	337.4	339.0
37.5°	302.2	302.2	302.2	303.8	305.4
40°	271.8	271.8	273.4	273.4	275.0
42.5°	244.7	243.1	244.7	244.7	244.7
45°	219.1	220.7	220.7	220.7	220.7
47.5°	196.7	196.7	198.3	196.7	198.3
50°	175.9	175.9	175.9	175.9	177.5
52.5°	156.7	156.7	156.7	156.7	158.3
55°	140.7	139.1	140.7	139.1	140.7
57.5°	124.7	124.7	124.7	124.7	124.7
60°	110.3	108.7	110.3	108.7	110.3
62.5°	95.9	95.9	95.9	95.9	95.9
65°	83.2	83.2	83.2	83.2	83.2
67.5°	72.0	72.0	72.0	70.4	70.4
70°	60.8	60.8	60.8	60.8	60.8
72.5°	51.2	49.6	49.6	49.6	49.6
75°	41.6	40.0	40.0	40.0	40.0
77.5°	32.0	32.0	30.4	30.4	32.0
80°	24.0	22.4	22.4	22.4	22.4
82.5°	14.4	14.4	14.4	14.4	14.4
85°	8.0	8.0	8.0	8.0	8.0
87.5°	1.6	1.6	1.6	3.2	3.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)