

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: P1310411

Luminaire Tested: P3SQAS17R309040DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310411
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R309040DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

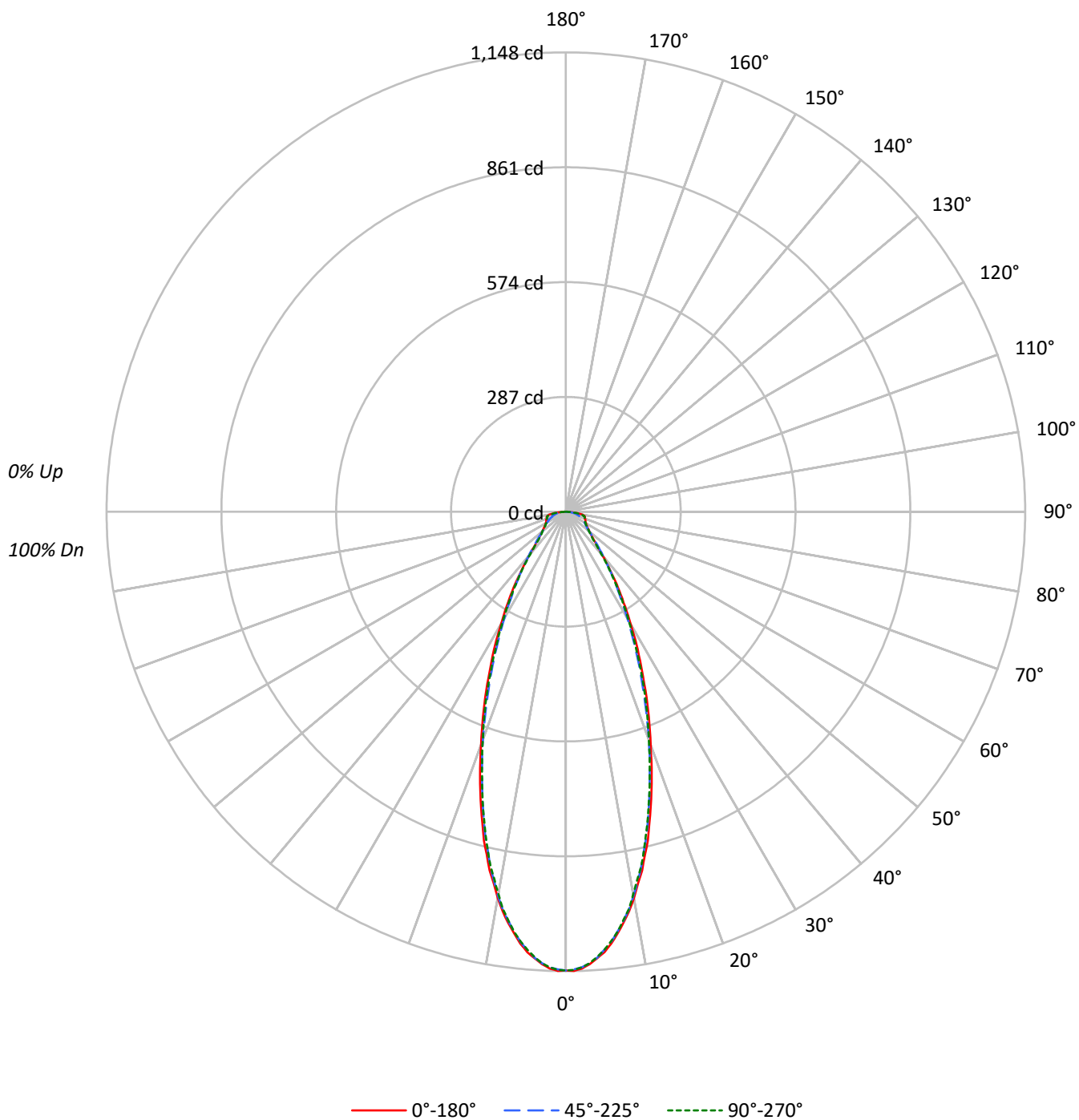
Lumens per Lamp: N/A
Luminaire Lumens: 904.0 lumens
Efficiency: N/A
Efficacy: 42.6 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	59		67	62	58		66
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	197436	197436	197436
5°	190998	190048	190048
10°	171417	170455	169721
15°	143673	141444	141194
20°	113429	111138	111138
25°	86823	83403	84980
30°	64432	61131	62503
35°	46569	44530	44824
40°	32059	32689	31138
45°	23942	24965	22919
50°	20765	20390	20390
55°	19547	18706	19127
60°	20012	18600	19564
65°	22006	18623	21435
70°	25782	18833	25077
75°	33138	20295	32273
80°	41159	22018	38481
85°	32802	21934	30036

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 41159 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.1	11.2
10°-20°	219.8	24.3
20°-30°	204.8	22.7
30°-40°	135.9	15.0
40°-50°	79.1	8.8
50°-60°	57.6	6.4
60°-70°	48.7	5.4
70°-80°	40.3	4.5
80°-90°	16.8	1.9
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°	525.7	58.2
0°-40°	661.6	73.2
0°-60°	798.3	88.3
0°-90°	904.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	904.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1146	1146	1146	1146	1146	
5°	1105	1103	1099	1099	1099	101
15°	806	798	793	792	792	223
25°	457	449	439	440	447	211
35°	222	217	212	213	213	139
45°	98	100	102	97	94	79
55°	65	64	62	64	64	59
65°	54	48	46	48	53	54
75°	50	37	30	37	48	51
85°	17	19	11	18	15	19
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1146.4	1146.4	1146.4	1146.4	1146.4
1°	1147.8	1146.4	1143.6	1145.0	1145.0
2°	1142.2	1140.8	1139.4	1139.4	1139.4
3°	1132.5	1131.1	1129.8	1129.8	1129.8
4°	1118.7	1117.3	1117.3	1115.9	1115.9
5°	1104.8	1103.4	1099.3	1099.3	1099.3
6°	1085.4	1084.1	1081.3	1079.9	1079.9
7°	1061.9	1061.9	1057.8	1056.4	1057.8
8°	1037.0	1035.6	1032.8	1031.5	1031.5
9°	1010.7	1006.5	1006.5	1002.4	1005.1
10°	980.2	977.5	974.7	971.9	970.5
11°	945.6	944.2	940.1	937.3	935.9
12°	916.5	909.6	906.8	902.7	905.5
13°	879.2	875.0	868.1	866.7	868.1
14°	847.3	839.0	833.5	830.7	829.3
15°	805.8	797.5	793.3	791.9	791.9
17.5°	713.0	707.5	696.4	696.4	696.4
20°	618.9	613.3	606.4	605.0	606.4
22.5°	537.2	527.5	516.4	517.8	526.1
25°	456.9	448.6	438.9	440.3	447.2
27.5°	389.0	378.0	368.3	371.0	375.2
30°	324.0	317.1	307.4	310.1	314.3
32.5°	268.6	264.4	253.4	256.1	260.3
35°	221.5	217.4	211.8	213.2	213.2
37.5°	177.2	177.2	175.8	174.4	173.1
40°	142.6	145.4	145.4	141.2	138.5
42.5°	116.3	119.1	121.8	116.3	112.1
45°	98.3	99.7	102.5	96.9	94.1
47.5°	85.8	85.8	88.6	84.5	83.1
50°	77.5	77.5	76.1	74.8	76.1
52.5°	70.6	69.2	67.8	69.2	69.2
55°	65.1	63.7	62.3	63.7	63.7
57.5°	60.9	59.5	58.1	58.1	59.5
60°	58.1	55.4	54.0	55.4	56.8
62.5°	55.4	51.2	49.8	51.2	54.0
65°	54.0	48.5	45.7	48.5	52.6
67.5°	52.6	45.7	41.5	45.7	51.2
70°	51.2	42.9	37.4	42.9	49.8
72.5°	49.8	40.2	34.6	40.2	49.8
75°	49.8	37.4	30.5	37.4	48.5
77.5°	47.1	34.6	26.3	34.6	45.7
80°	41.5	31.8	22.2	30.5	38.8
82.5°	30.5	27.7	16.6	26.3	29.1
85°	16.6	19.4	11.1	18.0	15.2
87.5°	2.8	4.2	2.8	8.3	5.5



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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)