

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: P1311585

Luminaire Tested: P3SQAS20R159050D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311585
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R159050D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

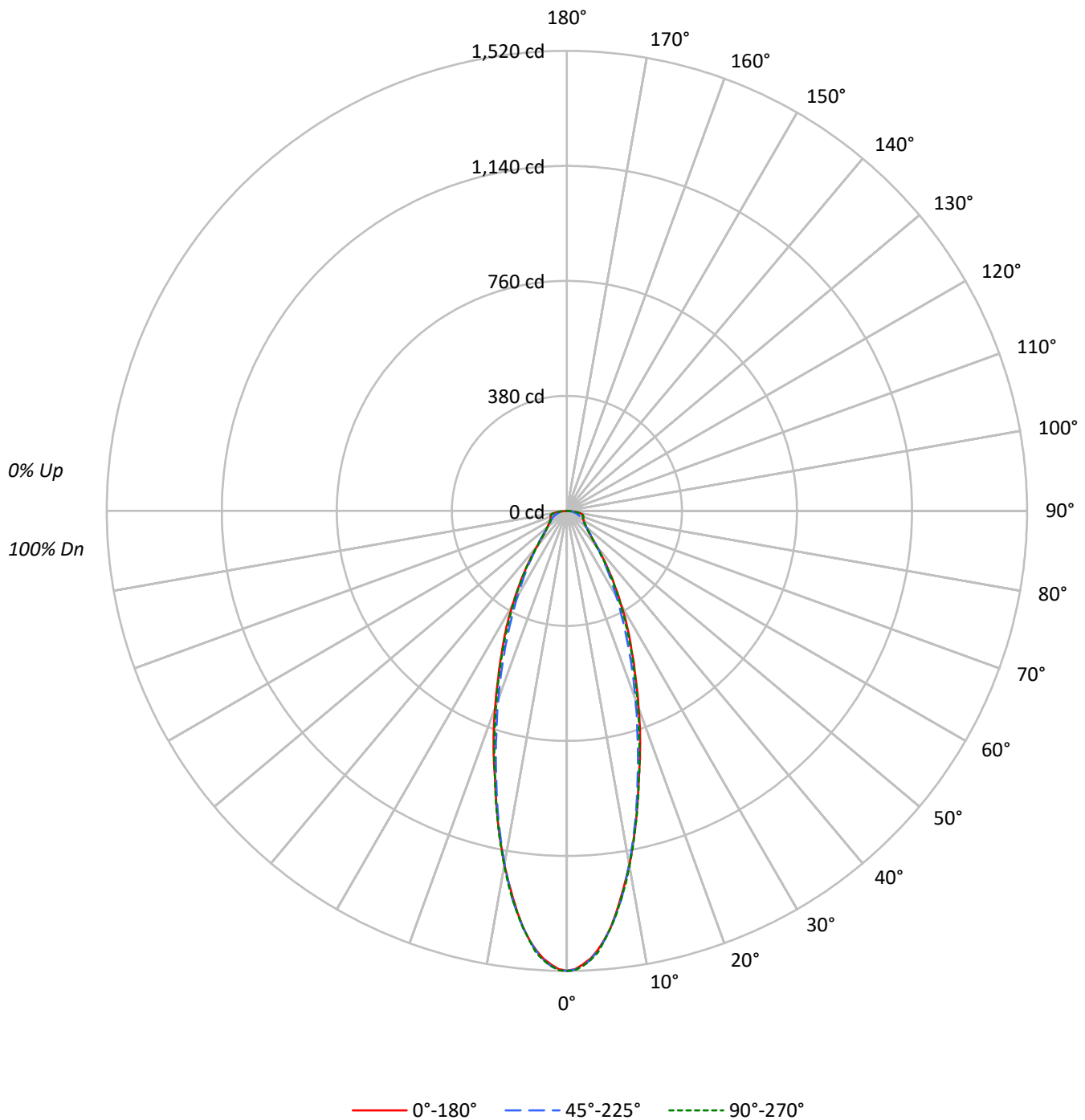
Lumens per Lamp: N/A
Luminaire Lumens: 1019.0 lumens
Efficiency: N/A
Efficacy: 35.4 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	86	81	77		83	79	76		81
4	92	83	76	71	90	82	76	71	80	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67
7	78	68	61	56	77	67	60	56	66	60	56		64	59	55		63
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	71	60	54	49	70	60	53	49	59	53	49		58	53	49		57
10	68	57	51	47	67	57	51	47	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	261778	261778	261778
5°	245871	246182	246182
10°	207687	207040	208334
15°	163339	161039	163660
20°	126937	121182	125250
25°	95811	89142	94405
30°	71254	65009	69782
35°	50879	47368	50101
40°	34465	34870	34038
45°	25647	26986	25647
50°	22265	22265	22265
55°	21619	20508	21619
60°	22251	20357	21631
65°	24084	21068	24084
70°	28853	21401	28853
75°	36864	22092	36864
80°	45821	23803	43936
85°	36557	21934	40113

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 45821 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.2	12.6
10°-20°	253.4	24.9
20°-30°	224.0	22.0
30°-40°	147.1	14.4
40°-50°	86.0	8.4
50°-60°	63.3	6.2
60°-70°	54.0	5.3
70°-80°	44.5	4.4
80°-90°	18.4	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°	605.6	59.4
0°-40°	752.8	73.9
0°-60°	902.1	88.5
0°-90°	1019.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1019.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1520	1520	1520	1520	1520	
5°	1422	1422	1424	1426	1424	128
15°	916	916	903	914	918	256
25°	504	488	469	482	497	233
35°	242	233	225	231	238	153
45°	105	107	111	107	105	85
55°	72	70	68	70	72	65
65°	59	54	52	54	59	59
75°	55	41	33	42	55	57
85°	18	20	11	18	20	21
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1520.0	1520.0	1520.0	1520.0	1520.0
1°	1514.5	1516.3	1516.3	1518.2	1518.2
2°	1499.7	1503.4	1505.3	1505.3	1505.3
3°	1481.3	1483.1	1484.9	1486.8	1486.8
4°	1455.4	1457.2	1457.2	1460.9	1462.8
5°	1422.2	1422.2	1424.0	1425.8	1424.0
6°	1383.4	1383.4	1385.2	1385.2	1385.2
7°	1337.2	1339.0	1340.9	1342.7	1340.9
8°	1287.3	1289.2	1294.7	1294.7	1292.9
9°	1237.5	1239.3	1239.3	1244.8	1244.8
10°	1187.6	1187.6	1183.9	1187.6	1191.3
12.5°	1052.8	1050.9	1045.4	1050.9	1054.6
15°	916.1	916.1	903.2	914.2	917.9
17.5°	805.3	788.6	775.7	786.8	796.0
20°	692.6	676.0	661.2	672.3	683.4
22.5°	591.0	578.1	559.6	570.7	583.6
25°	504.2	487.6	469.1	482.1	496.8
27.5°	432.2	410.0	391.6	406.3	419.3
30°	358.3	343.5	326.9	338.0	350.9
32.5°	295.5	284.4	271.5	280.7	291.8
35°	242.0	232.7	225.3	230.9	238.3
37.5°	193.9	190.2	186.5	188.4	188.4
40°	153.3	155.1	155.1	155.1	151.4
42.5°	125.6	127.4	131.1	127.4	125.6
45°	105.3	107.1	110.8	107.1	105.3
47.5°	92.3	94.2	96.0	92.3	92.3
50°	83.1	83.1	83.1	83.1	83.1
52.5°	77.6	75.7	75.7	75.7	77.6
55°	72.0	70.2	68.3	70.2	72.0
57.5°	66.5	64.6	62.8	64.6	66.5
60°	64.6	60.9	59.1	60.9	62.8
62.5°	60.9	57.3	55.4	57.3	60.9
65°	59.1	53.6	51.7	53.6	59.1
67.5°	57.3	49.9	46.2	49.9	57.3
70°	57.3	46.2	42.5	48.0	57.3
72.5°	55.4	44.3	36.9	44.3	55.4
75°	55.4	40.6	33.2	42.5	55.4
77.5°	51.7	36.9	27.7	38.8	51.7
80°	46.2	33.2	24.0	35.1	44.3
82.5°	33.2	27.7	18.5	27.7	33.2
85°	18.5	20.3	11.1	18.5	20.3
87.5°	1.8	5.5	3.7	11.1	9.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)