

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: P1309390

Luminaire Tested: P3SQAS20R159035D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309390
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: P3SQAS20R159035D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

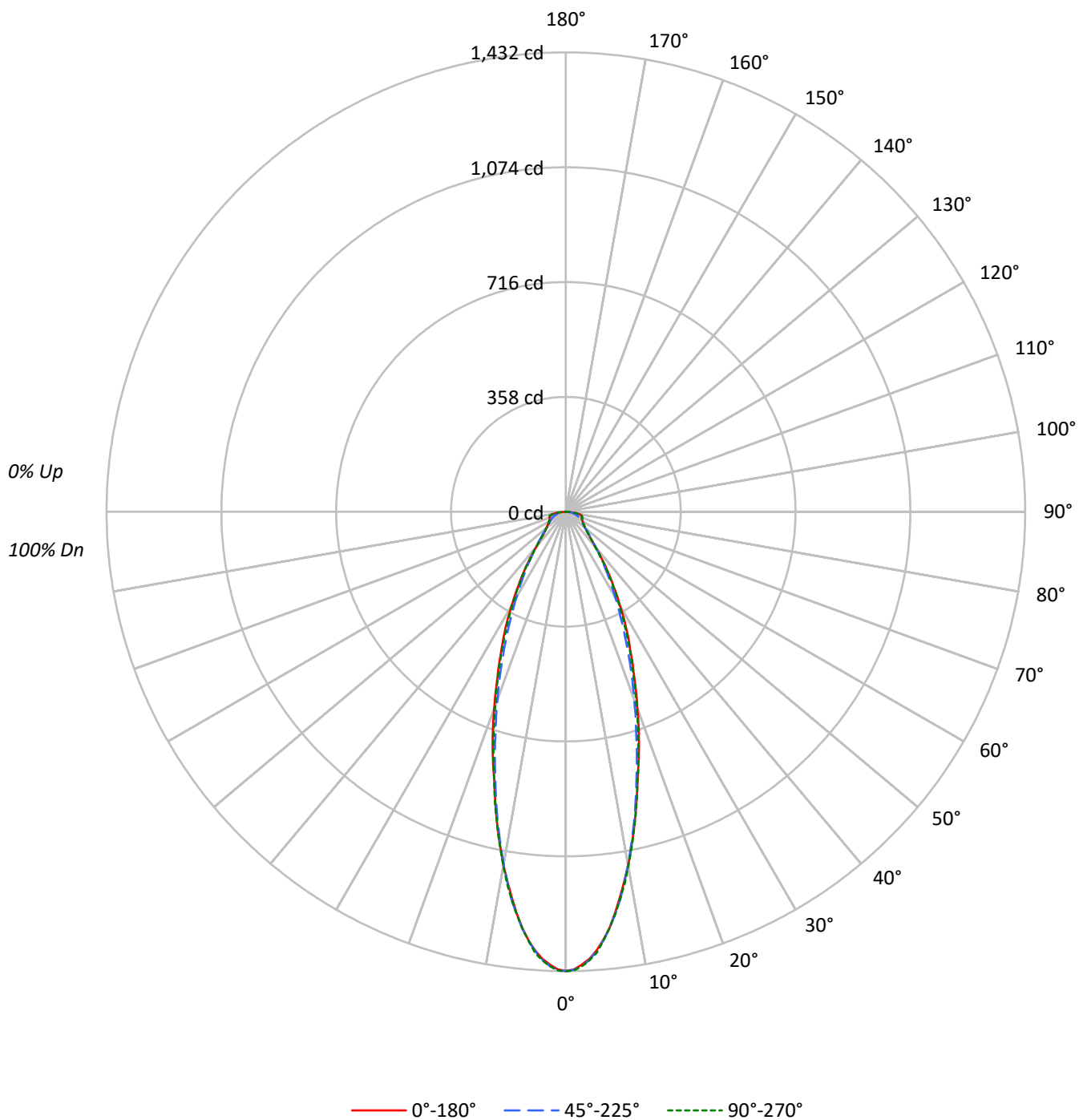
Lumens per Lamp: N/A
Luminaire Lumens: 960.0 lumens
Efficiency: N/A
Efficacy: 33.3 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	246623	246623	246623
5°	231625	231919	231919
10°	195655	195043	196267
15°	153871	151714	154192
20°	119587	114162	117993
25°	90263	83992	88951
30°	67137	61251	65745
35°	47915	44635	47200
40°	32464	32869	32082
45°	24161	25428	24161
50°	20979	20979	20979
55°	20388	19337	20388
60°	20977	19186	20391
65°	22699	19846	22699
70°	27141	20142	27141
75°	34735	20828	34735
80°	43143	22414	41457
85°	34383	20551	37742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 43143 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.8	12.6
10°-20°	238.8	24.9
20°-30°	211.0	22.0
30°-40°	138.6	14.4
40°-50°	81.0	8.4
50°-60°	59.6	6.2
60°-70°	50.8	5.3
70°-80°	41.9	4.4
80°-90°	17.4	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°	570.6	59.4
0°-40°	709.2	73.9
0°-60°	849.9	88.5
0°-90°	960.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	960.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1432	1432	1432	1432	1432	
5°	1340	1340	1342	1343	1342	121
15°	863	863	851	861	865	241
25°	475	459	442	454	468	220
35°	228	219	212	218	224	144
45°	99	101	104	101	99	80
55°	68	66	64	66	68	61
65°	56	50	49	50	56	56
75°	52	38	31	40	52	53
85°	17	19	10	17	19	20
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1432.0	1432.0	1432.0	1432.0	1432.0
1°	1426.8	1428.5	1428.5	1430.3	1430.3
2°	1412.9	1416.4	1418.1	1418.1	1418.1
3°	1395.5	1397.2	1399.0	1400.7	1400.7
4°	1371.1	1372.9	1372.9	1376.3	1378.1
5°	1339.8	1339.8	1341.5	1343.3	1341.5
6°	1303.3	1303.3	1305.0	1305.0	1305.0
7°	1259.8	1261.5	1263.2	1265.0	1263.2
8°	1212.8	1214.5	1219.7	1219.7	1218.0
9°	1165.8	1167.5	1167.5	1172.8	1172.8
10°	1118.8	1118.8	1115.3	1118.8	1122.3
12.5°	991.8	990.1	984.8	990.1	993.5
15°	863.0	863.0	850.9	861.3	864.8
17.5°	758.6	743.0	730.8	741.2	749.9
20°	652.5	636.8	622.9	633.4	643.8
22.5°	556.8	544.6	527.2	537.7	549.8
25°	475.0	459.4	442.0	454.1	468.1
27.5°	407.2	386.3	368.9	382.8	395.0
30°	337.6	323.6	308.0	318.4	330.6
32.5°	278.4	268.0	255.8	264.5	274.9
35°	227.9	219.2	212.3	217.5	224.5
37.5°	182.7	179.2	175.7	177.5	177.5
40°	144.4	146.2	146.2	146.2	142.7
42.5°	118.3	120.1	123.5	120.1	118.3
45°	99.2	100.9	104.4	100.9	99.2
47.5°	87.0	88.7	90.5	87.0	87.0
50°	78.3	78.3	78.3	78.3	78.3
52.5°	73.1	71.3	71.3	71.3	73.1
55°	67.9	66.1	64.4	66.1	67.9
57.5°	62.6	60.9	59.2	60.9	62.6
60°	60.9	57.4	55.7	57.4	59.2
62.5°	57.4	53.9	52.2	53.9	57.4
65°	55.7	50.5	48.7	50.5	55.7
67.5°	53.9	47.0	43.5	47.0	53.9
70°	53.9	43.5	40.0	45.2	53.9
72.5°	52.2	41.8	34.8	41.8	52.2
75°	52.2	38.3	31.3	40.0	52.2
77.5°	48.7	34.8	26.1	36.5	48.7
80°	43.5	31.3	22.6	33.1	41.8
82.5°	31.3	26.1	17.4	26.1	31.3
85°	17.4	19.1	10.4	17.4	19.1
87.5°	1.7	5.2	3.5	10.4	8.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)