

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: P1317371

Luminaire Tested: P3SQAS20R159830D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317371
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: P3SQAS20R159830D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

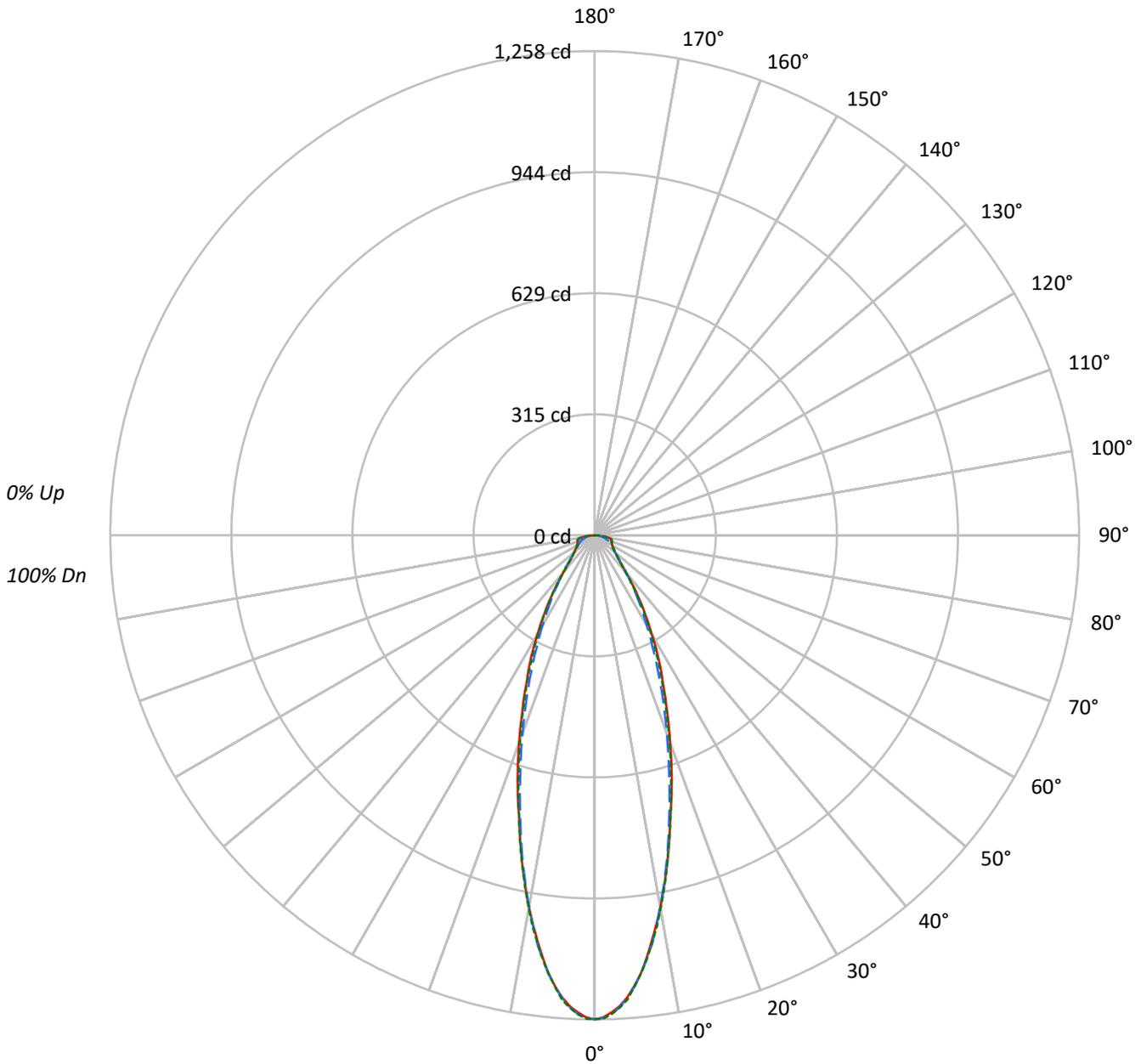
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 843.0 lumens
Efficiency: N/A
Efficacy: 30.8 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): 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



— 0°-180° - - 45°-225° - - - 90°-270°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	74	74	74	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	63	63	63	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	59	59	59	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	55	55	55	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	52	52	52	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	49	49	49	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	46	46	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	216570	216570	216570
5°	203394	203653	203653
10°	171819	171277	172344
15°	135132	133224	135399
20°	105017	100252	103606
25°	79260	73749	78101
30°	58944	53773	57731
35°	42091	39190	41439
40°	28507	28844	28170
45°	21214	22334	21214
50°	18434	18434	18434
55°	17896	16965	17896
60°	18428	16843	17911
65°	19927	17442	19927
70°	23868	17674	23868
75°	30476	18299	30476
80°	37886	19737	36399
85°	30233	18180	33197

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 37886 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.1	12.6
10°-20°	209.7	24.9
20°-30°	185.3	22.0
30°-40°	121.7	14.4
40°-50°	71.1	8.4
50°-60°	52.4	6.2
60°-70°	44.7	5.3
70°-80°	36.8	4.4
80°-90°	15.3	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°	501.0	59.4
0°-40°	622.8	73.9
0°-60°	746.3	88.5
0°-90°	843.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	843.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1258	1258	1258	1258	1258	
5°	1176	1176	1178	1180	1178	106
15°	758	758	747	756	759	212
25°	417	403	388	399	411	193
35°	200	192	186	191	197	126
45°	87	89	92	89	87	70
55°	60	58	56	58	60	54
65°	49	44	43	44	49	49
75°	46	34	28	35	46	47
85°	15	17	9	15	17	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1257.5	1257.5	1257.5	1257.5	1257.5
1°	1252.9	1254.4	1254.4	1256.0	1256.0
2°	1240.7	1243.7	1245.3	1245.3	1245.3
3°	1225.4	1226.9	1228.5	1230.0	1230.0
4°	1204.0	1205.6	1205.6	1208.6	1210.1
5°	1176.5	1176.5	1178.0	1179.6	1178.0
6°	1144.4	1144.4	1146.0	1146.0	1146.0
7°	1106.2	1107.8	1109.3	1110.8	1109.3
8°	1065.0	1066.5	1071.1	1071.1	1069.6
9°	1023.7	1025.3	1025.3	1029.8	1029.8
10°	982.5	982.5	979.4	982.5	985.5
12.5°	870.9	869.4	864.8	869.4	872.5
15°	757.9	757.9	747.2	756.3	759.4
17.5°	666.2	652.4	641.7	650.9	658.5
20°	573.0	559.2	547.0	556.2	565.3
22.5°	488.9	478.2	463.0	472.1	482.8
25°	417.1	403.4	388.1	398.8	411.0
27.5°	357.5	339.2	323.9	336.1	346.8
30°	296.4	284.2	270.4	279.6	290.3
32.5°	244.5	235.3	224.6	232.2	241.4
35°	200.2	192.5	186.4	191.0	197.1
37.5°	160.4	157.4	154.3	155.9	155.9
40°	126.8	128.3	128.3	128.3	125.3
42.5°	103.9	105.4	108.5	105.4	103.9
45°	87.1	88.6	91.7	88.6	87.1
47.5°	76.4	77.9	79.5	76.4	76.4
50°	68.8	68.8	68.8	68.8	68.8
52.5°	64.2	62.6	62.6	62.6	64.2
55°	59.6	58.1	56.5	58.1	59.6
57.5°	55.0	53.5	52.0	53.5	55.0
60°	53.5	50.4	48.9	50.4	52.0
62.5°	50.4	47.4	45.8	47.4	50.4
65°	48.9	44.3	42.8	44.3	48.9
67.5°	47.4	41.3	38.2	41.3	47.4
70°	47.4	38.2	35.1	39.7	47.4
72.5°	45.8	36.7	30.6	36.7	45.8
75°	45.8	33.6	27.5	35.1	45.8
77.5°	42.8	30.6	22.9	32.1	42.8
80°	38.2	27.5	19.9	29.0	36.7
82.5°	27.5	22.9	15.3	22.9	27.5
85°	15.3	16.8	9.2	15.3	16.8
87.5°	1.5	4.6	3.1	9.2	7.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)