

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: P1317420

Luminaire Tested: P3SQAS20R309830D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317420
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: P3SQAS20R309830D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

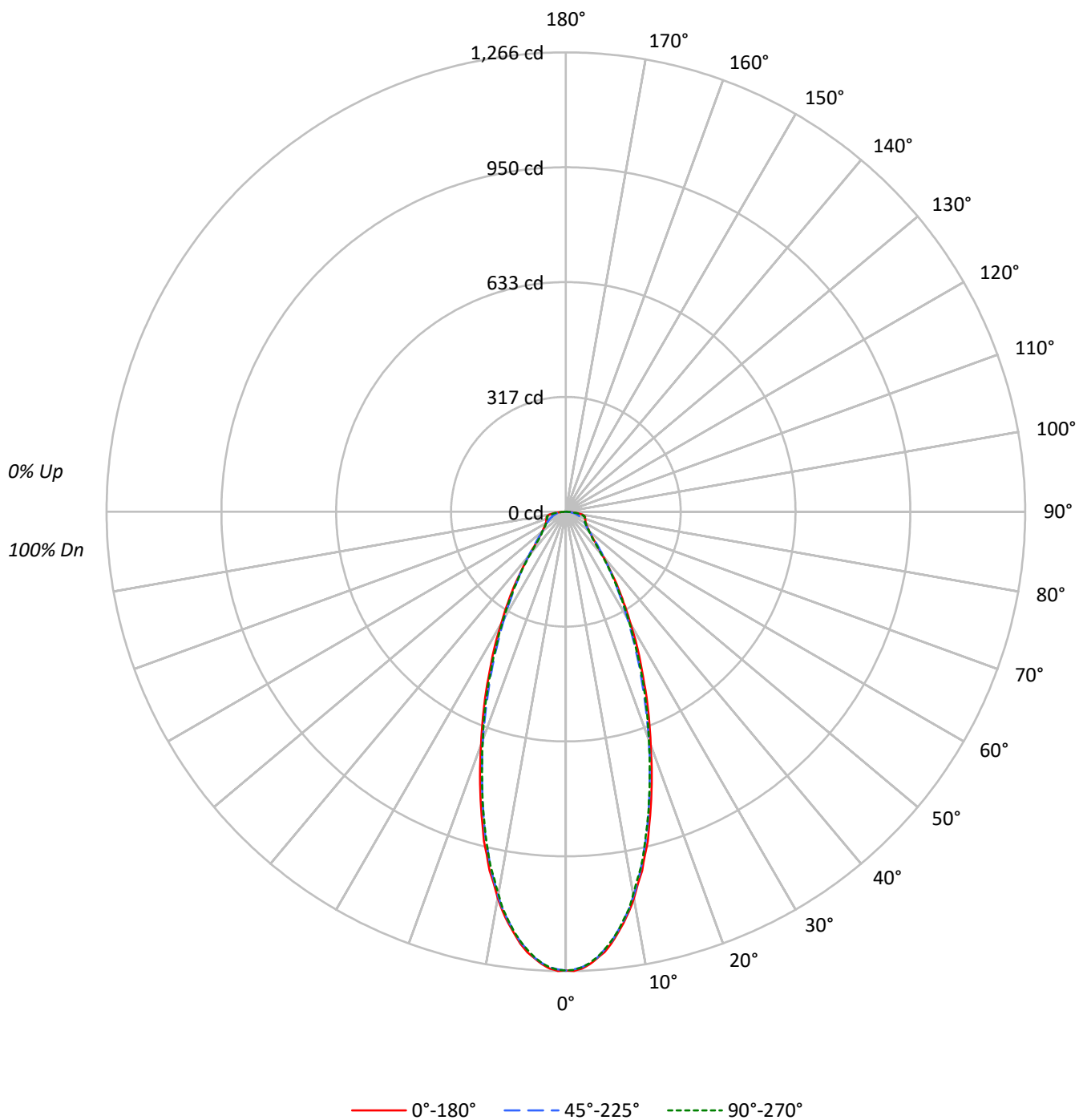
Lumens per Lamp: N/A
Luminaire Lumens: 997.0 lumens
Efficiency: N/A
Efficacy: 36.4 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	217741	217741	217741
5°	210655	209600	209600
10°	189062	187995	187191
15°	158453	155993	155725
20°	125086	122575	122575
25°	95754	91973	93721
30°	71055	67415	68927
35°	51363	49113	49429
40°	35364	36039	34330
45°	26402	27522	25281
50°	22908	22506	22506
55°	21559	20628	21078
60°	22079	20529	21562
65°	24288	20539	23636
70°	28450	20746	27695
75°	36598	22358	35533
80°	45424	24200	42449
85°	36161	24108	33197

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 45424 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.5	11.2
10°-20°	242.4	24.3
20°-30°	225.9	22.7
30°-40°	149.9	15.0
40°-50°	87.3	8.8
50°-60°	63.5	6.4
60°-70°	53.7	5.4
70°-80°	44.4	4.5
80°-90°	18.5	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°	579.8	58.2
0°-40°	729.6	73.2
0°-60°	880.4	88.3
0°-90°	997.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	997.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1264	1264	1264	1264	1264	
5°	1218	1217	1212	1212	1212	112
15°	889	880	875	873	873	246
25°	504	495	484	486	493	232
35°	244	240	234	235	235	154
45°	108	110	113	107	104	87
55°	72	70	69	70	70	65
65°	60	53	50	53	58	59
75°	55	41	34	41	53	56
85°	18	21	12	20	17	21
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1264.3	1264.3	1264.3	1264.3	1264.3
1°	1265.8	1264.3	1261.2	1262.8	1262.8
2°	1259.7	1258.2	1256.7	1256.7	1256.7
3°	1249.0	1247.5	1246.0	1246.0	1246.0
4°	1233.8	1232.2	1232.2	1230.7	1230.7
5°	1218.5	1217.0	1212.4	1212.4	1212.4
6°	1197.1	1195.6	1192.5	1191.0	1191.0
7°	1171.2	1171.2	1166.6	1165.0	1166.6
8°	1143.7	1142.1	1139.1	1137.6	1137.6
9°	1114.7	1110.1	1110.1	1105.5	1108.6
10°	1081.1	1078.0	1075.0	1071.9	1070.4
11°	1042.9	1041.4	1036.8	1033.7	1032.2
12°	1010.8	1003.2	1000.1	995.6	998.6
13°	969.6	965.0	957.4	955.9	957.4
14°	934.5	925.3	919.2	916.2	914.6
15°	888.7	879.5	874.9	873.4	873.4
17.5°	786.4	780.3	768.0	768.0	768.0
20°	682.5	676.4	668.8	667.3	668.8
22.5°	592.4	581.8	569.5	571.1	580.2
25°	503.9	494.7	484.0	485.6	493.2
27.5°	429.1	416.9	406.2	409.2	413.8
30°	357.3	349.7	339.0	342.0	346.6
32.5°	296.2	291.6	279.4	282.5	287.1
35°	244.3	239.7	233.6	235.1	235.1
37.5°	195.4	195.4	193.9	192.4	190.9
40°	157.3	160.3	160.3	155.7	152.7
42.5°	128.3	131.3	134.4	128.3	123.7
45°	108.4	109.9	113.0	106.9	103.8
47.5°	94.7	94.7	97.7	93.1	91.6
50°	85.5	85.5	84.0	82.5	84.0
52.5°	77.9	76.3	74.8	76.3	76.3
55°	71.8	70.2	68.7	70.2	70.2
57.5°	67.2	65.7	64.1	64.1	65.7
60°	64.1	61.1	59.6	61.1	62.6
62.5°	61.1	56.5	55.0	56.5	59.6
65°	59.6	53.4	50.4	53.4	58.0
67.5°	58.0	50.4	45.8	50.4	56.5
70°	56.5	47.3	41.2	47.3	55.0
72.5°	55.0	44.3	38.2	44.3	55.0
75°	55.0	41.2	33.6	41.2	53.4
77.5°	51.9	38.2	29.0	38.2	50.4
80°	45.8	35.1	24.4	33.6	42.8
82.5°	33.6	30.5	18.3	29.0	32.1
85°	18.3	21.4	12.2	19.9	16.8
87.5°	3.1	4.6	3.1	9.2	6.1



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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)