

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: P1307154

Luminaire Tested: P3SQAS20R159027D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307154
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: P3SQAS20R159027D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

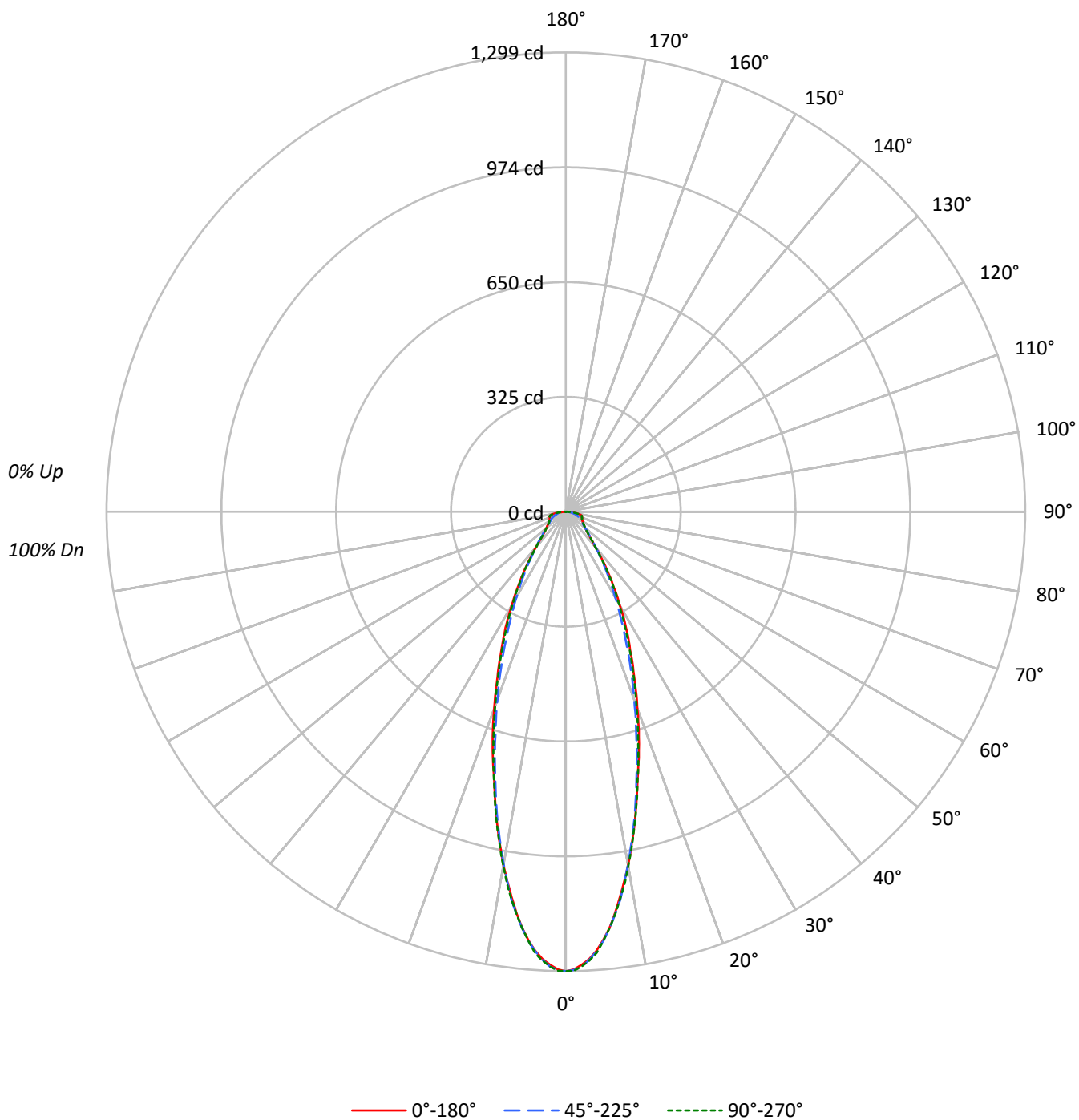
Lumens per Lamp: N/A
Luminaire Lumens: 871.0 lumens
Efficiency: N/A
Efficacy: 30.2 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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		72	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°	223769	223769	223769
5°	210154	210430	210430
10°	177520	176961	178080
15°	139607	137646	139893
20°	108499	103587	107051
25°	81901	76201	80704
30°	60913	55563	59660
35°	43479	40493	42827
40°	29452	29811	29114
45°	21920	23065	21920
50°	19023	19023	19023
55°	18496	17535	18496
60°	19048	17394	18497
65°	20579	18012	20579
70°	24623	18279	24623
75°	31541	18898	31541
80°	39176	20332	37589
85°	31221	18772	34383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 39176 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.6	12.6
10°-20°	216.6	24.9
20°-30°	191.5	22.0
30°-40°	125.8	14.4
40°-50°	73.5	8.4
50°-60°	54.1	6.2
60°-70°	46.1	5.3
70°-80°	38.0	4.4
80°-90°	15.8	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°	517.7	59.4
0°-40°	643.4	73.9
0°-60°	771.1	88.5
0°-90°	871.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	871.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1299	1299	1299	1299	1299	
5°	1216	1216	1217	1219	1217	109
15°	783	783	772	782	785	219
25°	431	417	401	412	425	199
35°	207	199	193	197	204	130
45°	90	92	95	92	90	72
55°	62	60	58	60	62	55
65°	50	46	44	46	50	50
75°	47	35	28	36	47	48
85°	16	17	10	16	17	18
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1299.3	1299.3	1299.3	1299.3	1299.3
1°	1294.5	1296.1	1296.1	1297.7	1297.7
2°	1281.9	1285.1	1286.6	1286.6	1286.6
3°	1266.1	1267.7	1269.3	1270.9	1270.9
4°	1244.0	1245.6	1245.6	1248.7	1250.3
5°	1215.6	1215.6	1217.2	1218.8	1217.2
6°	1182.4	1182.4	1184.0	1184.0	1184.0
7°	1143.0	1144.6	1146.1	1147.7	1146.1
8°	1100.4	1101.9	1106.7	1106.7	1105.1
9°	1057.7	1059.3	1059.3	1064.0	1064.0
10°	1015.1	1015.1	1011.9	1015.1	1018.3
12.5°	899.9	898.3	893.5	898.3	901.4
15°	783.0	783.0	772.0	781.5	784.6
17.5°	688.3	674.1	663.1	672.5	680.4
20°	592.0	577.8	565.2	574.6	584.1
22.5°	505.2	494.1	478.3	487.8	498.9
25°	431.0	416.8	401.0	412.0	424.7
27.5°	369.4	350.5	334.7	347.3	358.4
30°	306.3	293.6	279.4	288.9	300.0
32.5°	252.6	243.1	232.1	240.0	249.4
35°	206.8	198.9	192.6	197.3	203.7
37.5°	165.8	162.6	159.4	161.0	161.0
40°	131.0	132.6	132.6	132.6	129.5
42.5°	107.4	108.9	112.1	108.9	107.4
45°	90.0	91.6	94.7	91.6	90.0
47.5°	78.9	80.5	82.1	78.9	78.9
50°	71.0	71.0	71.0	71.0	71.0
52.5°	66.3	64.7	64.7	64.7	66.3
55°	61.6	60.0	58.4	60.0	61.6
57.5°	56.8	55.3	53.7	55.3	56.8
60°	55.3	52.1	50.5	52.1	53.7
62.5°	52.1	48.9	47.4	48.9	52.1
65°	50.5	45.8	44.2	45.8	50.5
67.5°	48.9	42.6	39.5	42.6	48.9
70°	48.9	39.5	36.3	41.0	48.9
72.5°	47.4	37.9	31.6	37.9	47.4
75°	47.4	34.7	28.4	36.3	47.4
77.5°	44.2	31.6	23.7	33.2	44.2
80°	39.5	28.4	20.5	30.0	37.9
82.5°	28.4	23.7	15.8	23.7	28.4
85°	15.8	17.4	9.5	15.8	17.4
87.5°	1.6	4.7	3.2	9.5	7.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)