

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: P1307331

Luminaire Tested: P3SQAS24R259027D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307331
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R259027D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

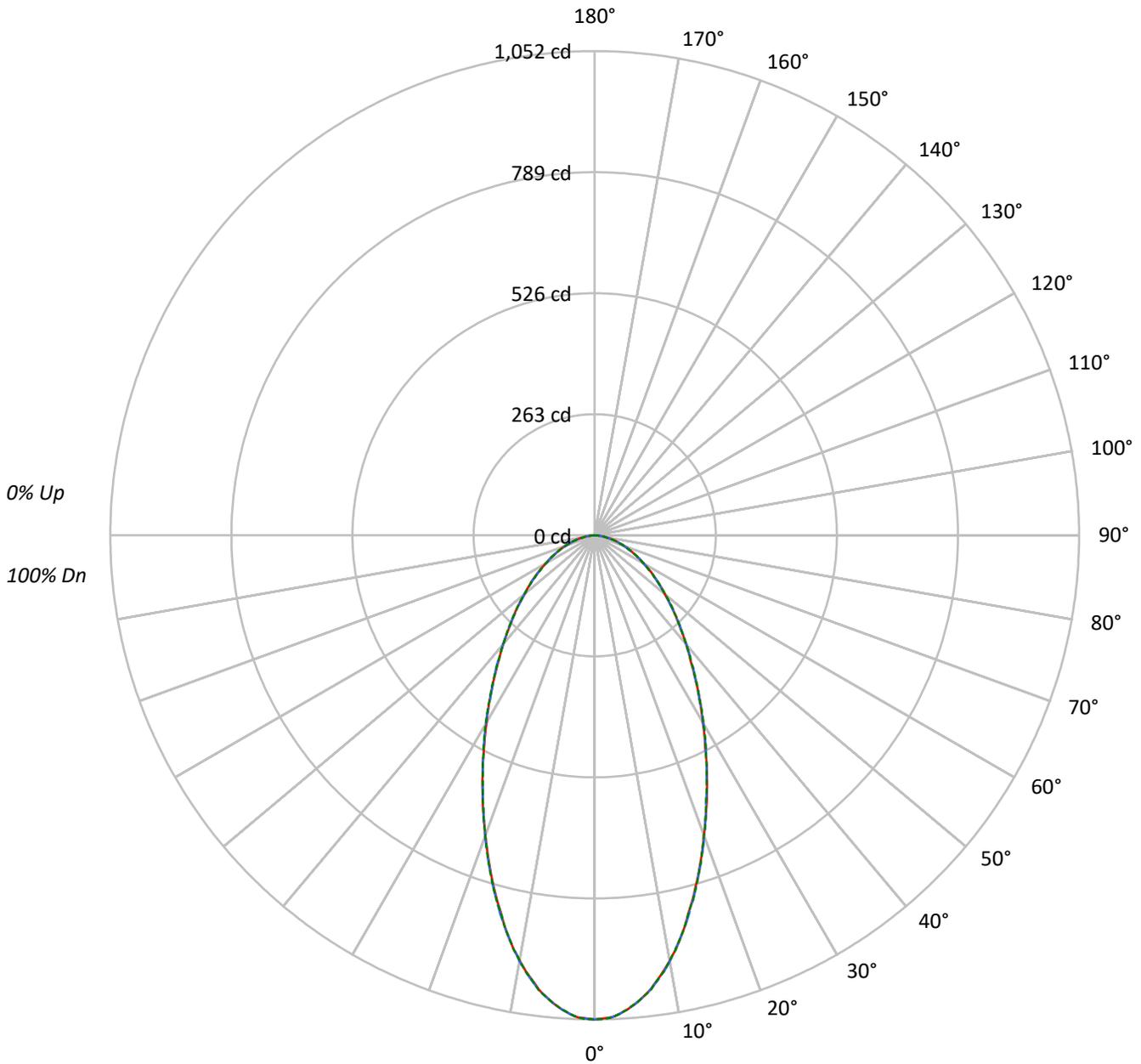
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1317.0 lumens
Efficiency: N/A
Efficacy: 45.7 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
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 (A_{in}): 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	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	79	79	77
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	70	68
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	63	63	63	61
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56	56	56	56	55
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	51	51	51	49
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	43	43	43	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	40	40	40	38
10	61	49	42	37	60	49	42	37	48	42	37	47	41	37	46	41	37	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	181161	181161	181161
5°	176546	176546	176546
10°	164054	164369	164054
15°	146311	146632	146632
20°	127212	127541	127212
25°	109569	109227	109227
30°	93447	93805	94183
35°	80187	80187	80566
40°	69492	69492	69492
45°	60744	60744	60744
50°	53265	53265	53747
55°	47772	47772	47772
60°	42332	42332	42332
65°	38306	38306	38306
70°	34594	33687	34594
75°	31275	30077	30077
80°	25092	25092	25092
85°	17784	17784	17784

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 60744 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.9	7.2
10°-20°	228.9	17.4
20°-30°	264.6	20.1
30°-40°	239.9	18.2
40°-50°	193.3	14.7
50°-60°	142.4	10.8
60°-70°	93.7	7.1
70°-80°	48.3	3.7
80°-90°	10.9	0.8
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°	588.4	44.7
0°-40°	828.3	62.9
0°-60°	1164.0	88.4
0°-90°	1317.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1317.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1052	1052	1052	1052	1052	
5°	1021	1025	1021	1021	1021	95
15°	821	822	822	821	822	229
25°	577	575	575	577	575	265
35°	381	381	381	381	383	239
45°	249	249	249	249	249	193
55°	159	159	159	157	159	143
65°	94	94	94	94	94	94
75°	47	45	45	45	45	49
85°	9	9	9	9	9	11
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1051.9	1051.9	1051.9	1051.9	1051.9
1°	1050.1	1053.7	1050.1	1050.1	1051.9
2°	1048.3	1050.1	1048.3	1048.3	1048.3
3°	1041.1	1044.7	1041.1	1041.1	1041.1
4°	1032.1	1035.7	1032.1	1032.1	1032.1
5°	1021.2	1024.8	1021.2	1021.2	1021.2
6°	1008.6	1010.4	1008.6	1008.6	1008.6
7°	994.1	995.9	994.1	994.1	995.9
8°	976.0	977.8	977.8	976.0	976.0
9°	958.0	959.8	959.8	958.0	959.8
10°	938.1	939.9	939.9	938.1	938.1
11°	918.2	920.0	916.4	916.4	918.2
12°	894.7	896.5	894.7	894.7	894.7
13°	871.2	871.2	871.2	871.2	871.2
14°	844.1	847.7	847.7	845.9	844.1
15°	820.6	822.4	822.4	820.6	822.4
17.5°	757.3	760.9	759.1	759.1	759.1
20°	694.1	695.9	695.9	694.1	694.1
22.5°	634.4	632.6	632.6	632.6	632.6
25°	576.6	574.8	574.8	576.6	574.8
27.5°	520.5	522.4	522.4	520.5	522.4
30°	469.9	469.9	471.7	469.9	473.6
32.5°	424.8	424.8	422.9	424.8	424.8
35°	381.4	381.4	381.4	381.4	383.2
37.5°	341.6	343.4	345.2	345.2	343.4
40°	309.1	309.1	309.1	309.1	309.1
42.5°	276.5	276.5	278.3	278.3	278.3
45°	249.4	249.4	249.4	249.4	249.4
47.5°	224.1	224.1	222.3	222.3	224.1
50°	198.8	200.6	198.8	198.8	200.6
52.5°	178.9	177.1	177.1	178.9	178.9
55°	159.1	159.1	159.1	157.2	159.1
57.5°	141.0	141.0	139.2	139.2	139.2
60°	122.9	122.9	122.9	122.9	122.9
62.5°	108.4	108.4	108.4	108.4	108.4
65°	94.0	94.0	94.0	94.0	94.0
67.5°	81.3	81.3	81.3	81.3	79.5
70°	68.7	68.7	66.9	66.9	68.7
72.5°	56.0	56.0	56.0	56.0	56.0
75°	47.0	45.2	45.2	45.2	45.2
77.5°	36.1	36.1	34.3	36.1	34.3
80°	25.3	25.3	25.3	25.3	25.3
82.5°	18.1	16.3	16.3	16.3	16.3
85°	9.0	9.0	9.0	9.0	9.0
87.5°	1.8	1.8	1.8	1.8	3.6



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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)