

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: P1308303

Luminaire Tested: P3SQAS20R259030D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308303
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: P3SQAS20R259030D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

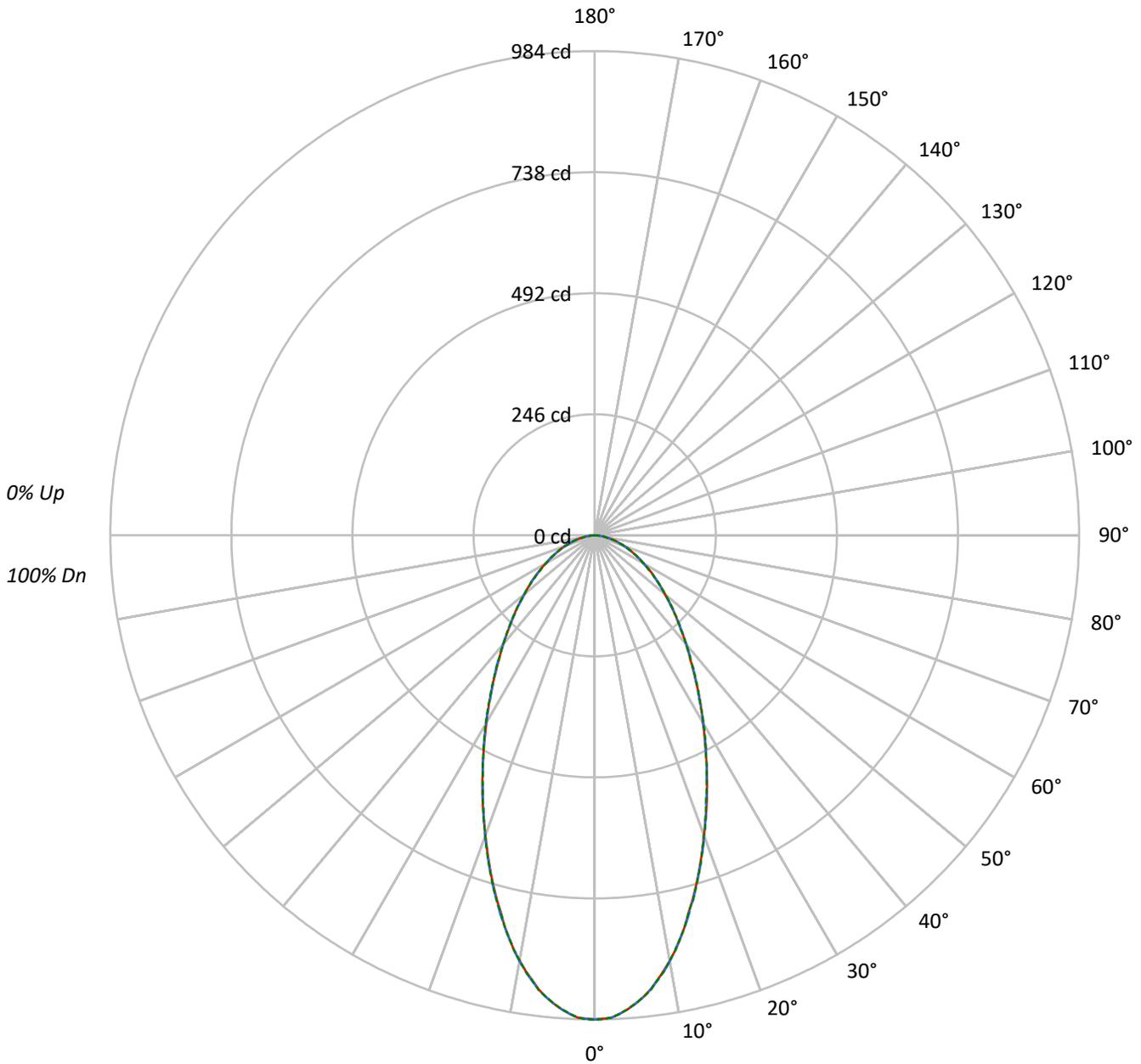
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1232.0 lumens
Efficiency: N/A
Efficacy: 42.8 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 (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	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°	169467	169467	169467
5°	165153	165153	165153
10°	153457	153754	153457
15°	136862	137165	137165
20°	119001	119312	119001
25°	102500	102177	102177
30°	87421	87759	88097
35°	75015	75015	75352
40°	64996	64996	64996
45°	56822	56822	56822
50°	49835	49835	50291
55°	44679	44679	44679
60°	39611	39611	39611
65°	35820	35820	35820
70°	32378	31522	32378
75°	29278	28147	28147
80°	23505	23505	23505
85°	16796	16796	16796

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 56822 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.8	7.2
10°-20°	214.2	17.4
20°-30°	247.5	20.1
30°-40°	224.4	18.2
40°-50°	180.9	14.7
50°-60°	133.2	10.8
60°-70°	87.6	7.1
70°-80°	45.2	3.7
80°-90°	10.2	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°	550.5	44.7
0°-40°	774.9	62.9
0°-60°	1088.9	88.4
0°-90°	1232.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1232.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	984	984	984	984	984	
5°	955	959	955	955	955	89
15°	768	769	769	768	769	214
25°	539	538	538	539	538	248
35°	357	357	357	357	358	224
45°	233	233	233	233	233	181
55°	149	149	149	147	149	134
65°	88	88	88	88	88	88
75°	44	42	42	42	42	46
85°	8	8	8	8	8	11
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	984.0	984.0	984.0	984.0	984.0
1°	982.4	985.7	982.4	982.4	984.0
2°	980.7	982.4	980.7	980.7	980.7
3°	973.9	977.3	973.9	973.9	973.9
4°	965.4	968.8	965.4	965.4	965.4
5°	955.3	958.7	955.3	955.3	955.3
6°	943.5	945.2	943.5	943.5	943.5
7°	929.9	931.6	929.9	929.9	931.6
8°	913.0	914.7	914.7	913.0	913.0
9°	896.1	897.8	897.8	896.1	897.8
10°	877.5	879.2	879.2	877.5	877.5
11°	858.9	860.6	857.2	857.2	858.9
12°	836.9	838.6	836.9	836.9	836.9
13°	815.0	815.0	815.0	815.0	815.0
14°	789.6	793.0	793.0	791.3	789.6
15°	767.6	769.3	769.3	767.6	769.3
17.5°	708.4	711.8	710.1	710.1	710.1
20°	649.3	651.0	651.0	649.3	649.3
22.5°	593.5	591.8	591.8	591.8	591.8
25°	539.4	537.7	537.7	539.4	537.7
27.5°	487.0	488.6	488.6	487.0	488.6
30°	439.6	439.6	441.3	439.6	443.0
32.5°	397.3	397.3	395.6	397.3	397.3
35°	356.8	356.8	356.8	356.8	358.4
37.5°	319.6	321.3	322.9	322.9	321.3
40°	289.1	289.1	289.1	289.1	289.1
42.5°	258.7	258.7	260.4	260.4	260.4
45°	233.3	233.3	233.3	233.3	233.3
47.5°	209.7	209.7	208.0	208.0	209.7
50°	186.0	187.7	186.0	186.0	187.7
52.5°	167.4	165.7	165.7	167.4	167.4
55°	148.8	148.8	148.8	147.1	148.8
57.5°	131.9	131.9	130.2	130.2	130.2
60°	115.0	115.0	115.0	115.0	115.0
62.5°	101.4	101.4	101.4	101.4	101.4
65°	87.9	87.9	87.9	87.9	87.9
67.5°	76.1	76.1	76.1	76.1	74.4
70°	64.3	64.3	62.6	62.6	64.3
72.5°	52.4	52.4	52.4	52.4	52.4
75°	44.0	42.3	42.3	42.3	42.3
77.5°	33.8	33.8	32.1	33.8	32.1
80°	23.7	23.7	23.7	23.7	23.7
82.5°	16.9	15.2	15.2	15.2	15.2
85°	8.5	8.5	8.5	8.5	8.5
87.5°	1.7	1.7	1.7	1.7	3.4



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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)