

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: P1310685

Luminaire Tested: P3SQAS24R259040D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310685
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: P3SQAS24R259040D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

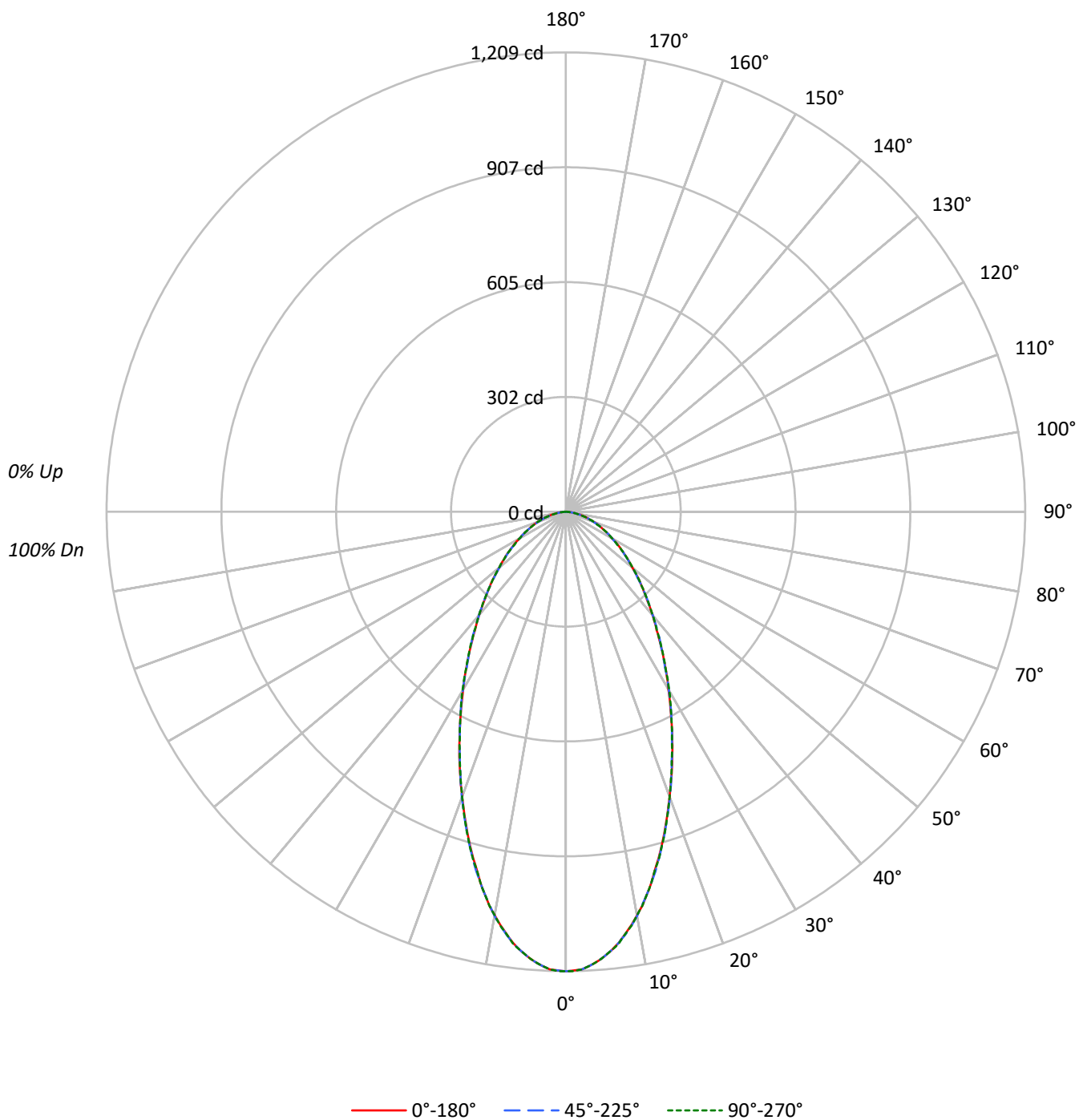
Lumens per Lamp: N/A
Luminaire Lumens: 1514.0 lumens
Efficiency: N/A
Efficacy: 52.6 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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



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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	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47
8	68	56	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40
10	61	49	42	37	60	49	42	37	48	42	37	47	41	37	46	41	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	208269	208269	208269
5°	202962	202962	202962
10°	188590	188957	188590
15°	168189	168563	168563
20°	146236	146620	146236
25°	125950	125551	125551
30°	107427	107845	108262
35°	92171	92171	92613
40°	79879	79879	79879
45°	69829	69829	69829
50°	61249	61249	61785
55°	54888	54888	54888
60°	48670	48670	48670
65°	44011	44011	44011
70°	39780	38723	39780
75°	35933	34535	34535
80°	28861	28861	28861
85°	20551	20551	20551

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 69829 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.1	7.2
10°-20°	263.2	17.4
20°-30°	304.2	20.1
30°-40°	275.8	18.2
40°-50°	222.3	14.7
50°-60°	163.7	10.8
60°-70°	107.7	7.1
70°-80°	55.6	3.7
80°-90°	12.6	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°	676.5	44.7
0°-40°	952.2	62.9
0°-60°	1338.1	88.4
0°-90°	1514.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1514.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1209	1209	1209	1209	1209	
5°	1174	1178	1174	1174	1174	109
15°	943	945	945	943	945	263
25°	663	661	661	663	661	304
35°	438	438	438	438	440	275
45°	287	287	287	287	287	222
55°	183	183	183	181	183	164
65°	108	108	108	108	108	108
75°	54	52	52	52	52	56
85°	10	10	10	10	10	13
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1209.3	1209.3	1209.3	1209.3	1209.3
1°	1207.2	1211.4	1207.2	1207.2	1209.3
2°	1205.1	1207.2	1205.1	1205.1	1205.1
3°	1196.8	1201.0	1196.8	1196.8	1196.8
4°	1186.4	1190.6	1186.4	1186.4	1186.4
5°	1174.0	1178.1	1174.0	1174.0	1174.0
6°	1159.4	1161.5	1159.4	1159.4	1159.4
7°	1142.8	1144.9	1142.8	1142.8	1144.9
8°	1122.0	1124.1	1124.1	1122.0	1122.0
9°	1101.2	1103.3	1103.3	1101.2	1103.3
10°	1078.4	1080.5	1080.5	1078.4	1078.4
11°	1055.5	1057.6	1053.5	1053.5	1055.5
12°	1028.5	1030.6	1028.5	1028.5	1028.5
13°	1001.5	1001.5	1001.5	1001.5	1001.5
14°	970.3	974.5	974.5	972.4	970.3
15°	943.3	945.4	945.4	943.3	945.4
17.5°	870.6	874.8	872.7	872.7	872.7
20°	797.9	800.0	800.0	797.9	797.9
22.5°	729.3	727.2	727.2	727.2	727.2
25°	662.8	660.7	660.7	662.8	660.7
27.5°	598.4	600.5	600.5	598.4	600.5
30°	540.2	540.2	542.3	540.2	544.4
32.5°	488.3	488.3	486.2	488.3	488.3
35°	438.4	438.4	438.4	438.4	440.5
37.5°	392.7	394.8	396.9	396.9	394.8
40°	355.3	355.3	355.3	355.3	355.3
42.5°	317.9	317.9	320.0	320.0	320.0
45°	286.7	286.7	286.7	286.7	286.7
47.5°	257.6	257.6	255.6	255.6	257.6
50°	228.6	230.6	228.6	228.6	230.6
52.5°	205.7	203.6	203.6	205.7	205.7
55°	182.8	182.8	182.8	180.8	182.8
57.5°	162.1	162.1	160.0	160.0	160.0
60°	141.3	141.3	141.3	141.3	141.3
62.5°	124.7	124.7	124.7	124.7	124.7
65°	108.0	108.0	108.0	108.0	108.0
67.5°	93.5	93.5	93.5	93.5	91.4
70°	79.0	79.0	76.9	76.9	79.0
72.5°	64.4	64.4	64.4	64.4	64.4
75°	54.0	51.9	51.9	51.9	51.9
77.5°	41.6	41.6	39.5	41.6	39.5
80°	29.1	29.1	29.1	29.1	29.1
82.5°	20.8	18.7	18.7	18.7	18.7
85°	10.4	10.4	10.4	10.4	10.4
87.5°	2.1	2.1	2.1	2.1	4.2



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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)