

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: P1306213

Luminaire Tested: P3SQAS20R259024D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306213
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: P3SQAS20R259024D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

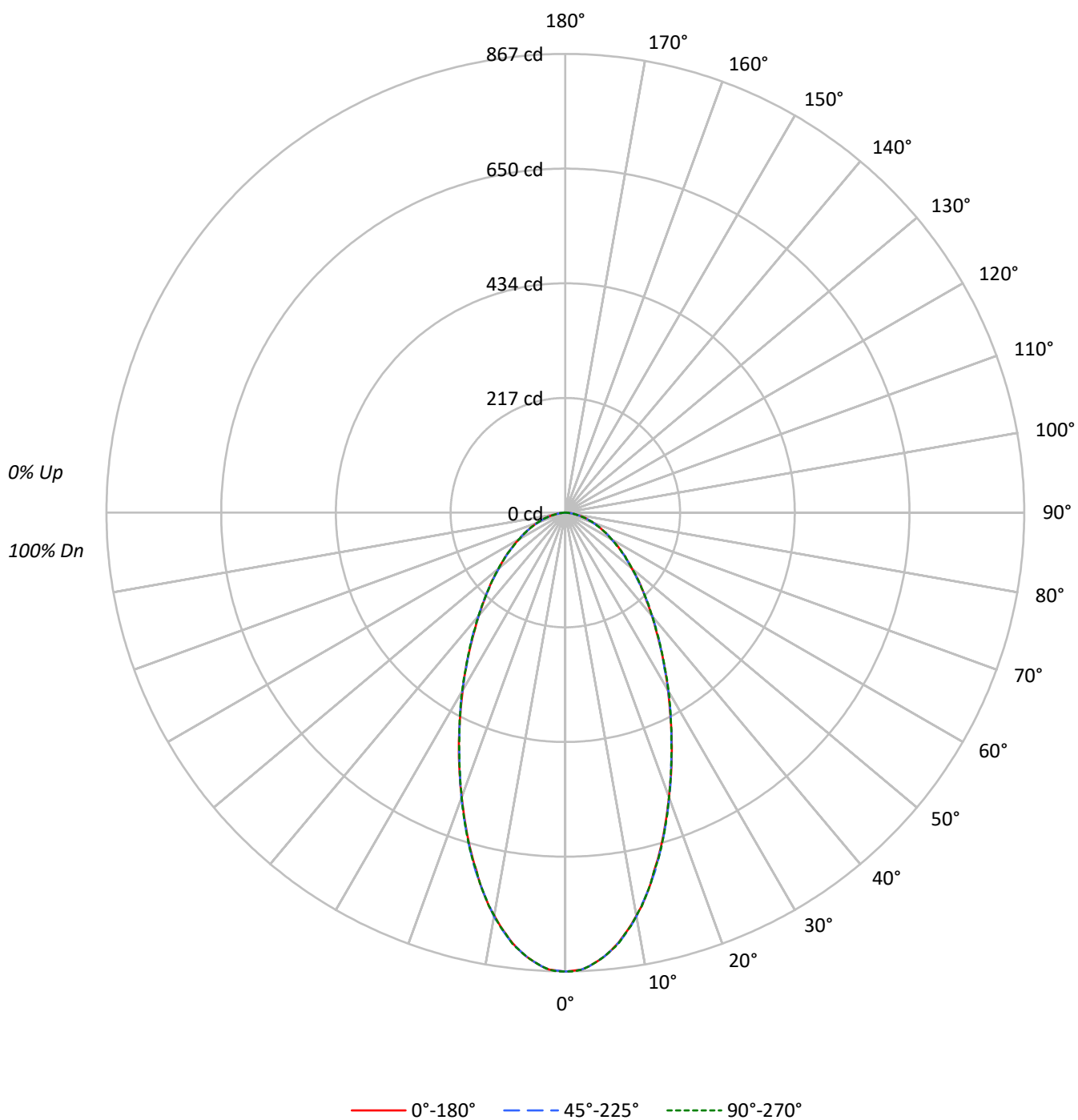
Lumens per Lamp: N/A
Luminaire Lumens: 1086.0 lumens
Efficiency: N/A
Efficacy: 37.7 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
Input Voltage (V): NR
Input Current (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	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85
3	95	87	80	74	93	85	79	74	82	77	72		80	75	71		77
4	89	79	71	65	87	77	70	65	75	69	64		73	68	63		71
5	83	72	64	58	81	71	64	58	69	62	58		67	61	57		65
6	77	66	58	53	76	65	58	52	63	57	52		62	56	52		60
7	73	61	53	48	71	60	53	48	59	52	47		57	51	47		56
8	68	56	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	42	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	149386	149386	149386
5°	145583	145583	145583
10°	135269	135532	135269
15°	120654	120904	120904
20°	104889	105163	104889
25°	90339	90073	90073
30°	77060	77359	77657
35°	66122	66122	66437
40°	57307	57307	57307
45°	50100	50100	50100
50°	43914	43914	44316
55°	39394	39394	39394
60°	34892	34892	34892
65°	31582	31582	31582
70°	28501	27745	28501
75°	25818	24820	24820
80°	20728	20728	20728
85°	14820	14820	14820

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 50100 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.3	7.2
10°-20°	188.8	17.4
20°-30°	218.2	20.1
30°-40°	197.8	18.2
40°-50°	159.4	14.7
50°-60°	117.4	10.8
60°-70°	77.2	7.1
70°-80°	39.9	3.7
80°-90°	9.0	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°	485.2	44.7
0°-40°	683.0	62.9
0°-60°	959.9	88.4
0°-90°	1086.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1086.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	867	867	867	867	867	
5°	842	845	842	842	842	78
15°	677	678	678	677	678	189
25°	475	474	474	475	474	218
35°	314	314	314	314	316	197
45°	206	206	206	206	206	159
55°	131	131	131	130	131	118
65°	78	78	78	78	78	77
75°	39	37	37	37	37	40
85°	8	8	8	8	8	9
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	867.4	867.4	867.4	867.4	867.4
1°	865.9	868.9	865.9	865.9	867.4
2°	864.4	865.9	864.4	864.4	864.4
3°	858.5	861.5	858.5	858.5	858.5
4°	851.0	854.0	851.0	851.0	851.0
5°	842.1	845.1	842.1	842.1	842.1
6°	831.7	833.1	831.7	831.7	831.7
7°	819.7	821.2	819.7	819.7	821.2
8°	804.8	806.3	806.3	804.8	804.8
9°	789.9	791.4	791.4	789.9	791.4
10°	773.5	775.0	775.0	773.5	773.5
11°	757.1	758.6	755.6	755.6	757.1
12°	737.8	739.3	737.8	737.8	737.8
13°	718.4	718.4	718.4	718.4	718.4
14°	696.0	699.0	699.0	697.5	696.0
15°	676.7	678.1	678.1	676.7	678.1
17.5°	624.5	627.5	626.0	626.0	626.0
20°	572.3	573.8	573.8	572.3	572.3
22.5°	523.1	521.6	521.6	521.6	521.6
25°	475.4	474.0	474.0	475.4	474.0
27.5°	429.2	430.7	430.7	429.2	430.7
30°	387.5	387.5	389.0	387.5	390.5
32.5°	350.3	350.3	348.8	350.3	350.3
35°	314.5	314.5	314.5	314.5	316.0
37.5°	281.7	283.2	284.7	284.7	283.2
40°	254.9	254.9	254.9	254.9	254.9
42.5°	228.0	228.0	229.5	229.5	229.5
45°	205.7	205.7	205.7	205.7	205.7
47.5°	184.8	184.8	183.3	183.3	184.8
50°	163.9	165.4	163.9	163.9	165.4
52.5°	147.6	146.1	146.1	147.6	147.6
55°	131.2	131.2	131.2	129.7	131.2
57.5°	116.3	116.3	114.8	114.8	114.8
60°	101.3	101.3	101.3	101.3	101.3
62.5°	89.4	89.4	89.4	89.4	89.4
65°	77.5	77.5	77.5	77.5	77.5
67.5°	67.1	67.1	67.1	67.1	65.6
70°	56.6	56.6	55.1	55.1	56.6
72.5°	46.2	46.2	46.2	46.2	46.2
75°	38.8	37.3	37.3	37.3	37.3
77.5°	29.8	29.8	28.3	29.8	28.3
80°	20.9	20.9	20.9	20.9	20.9
82.5°	14.9	13.4	13.4	13.4	13.4
85°	7.5	7.5	7.5	7.5	7.5
87.5°	1.5	1.5	1.5	1.5	3.0



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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)