

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: P1316818

Luminaire Tested: P3SQAS05R259830DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316818
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: P3SQAS05R259830DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

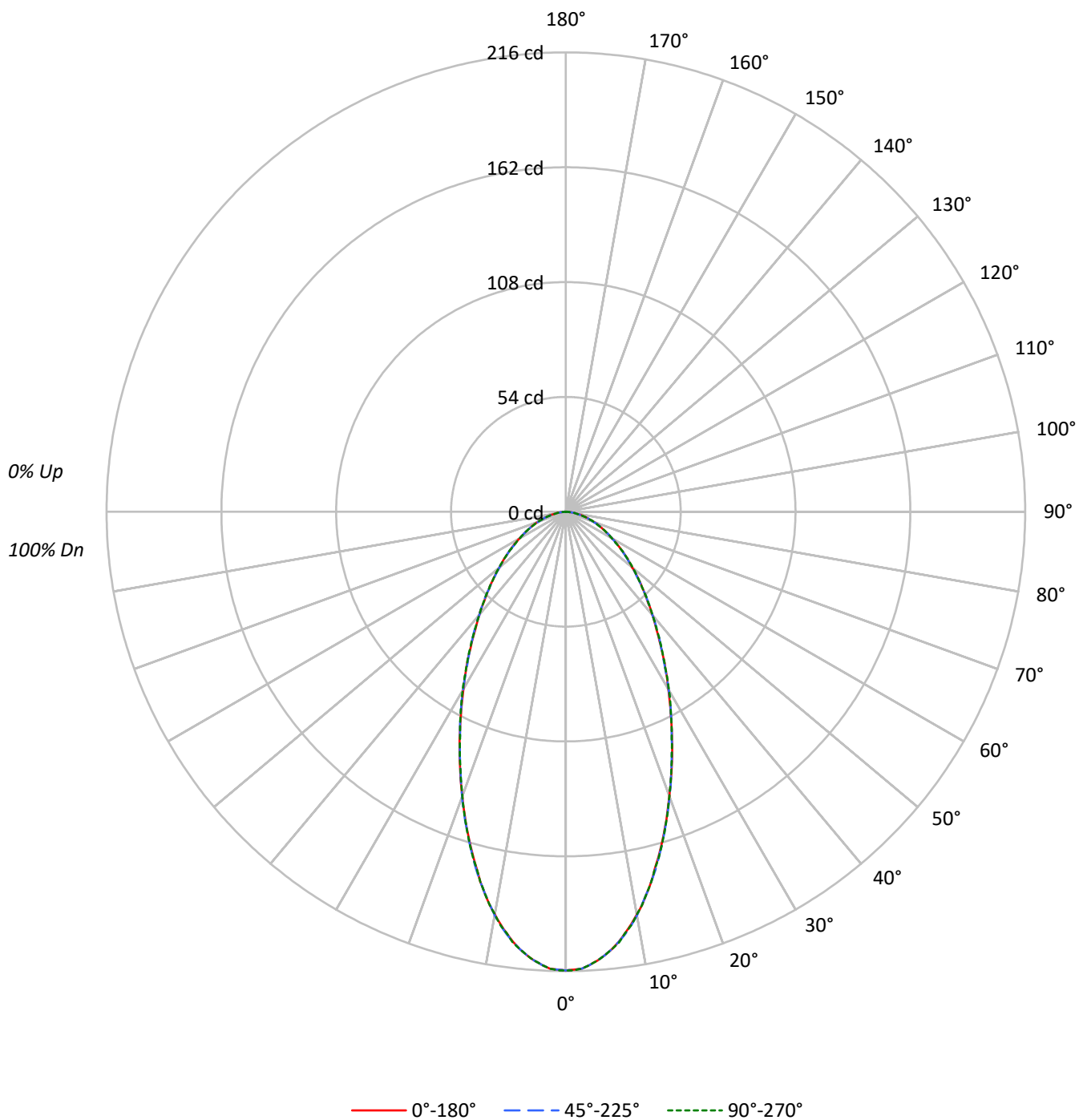
Lumens per Lamp: N/A
Luminaire Lumens: 270.0 lumens
Efficiency: N/A
Efficacy: 37.5 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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

TEST NUMBER: P1316818

CATALOG NUMBER: P3SQAS05R259830DE010 E3SQPHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1316818

CATALOG NUMBER: P3SQAS05R259830DE010 E3SQPHLD1MW

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	103	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	63	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°	37148	37148	37148
5°	36201	36201	36201
10°	33629	33699	33629
15°	29990	30061	30061
20°	26080	26153	26080
25°	22461	22385	22385
30°	19151	19230	19310
35°	16441	16441	16525
40°	14254	14254	14254
45°	12446	12446	12446
50°	10932	10932	11012
55°	9789	9789	9789
60°	8680	8680	8680
65°	7865	7865	7865
70°	7100	6899	7100
75°	6388	6188	6188
80°	5157	5157	5157
85°	3754	3754	3754

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12446 cd/sqm

TEST NUMBER: P1316818

CATALOG NUMBER: P3SQAS05R259830DE010 E3SQPHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.5	7.2
10°-20°	46.9	17.4
20°-30°	54.2	20.1
30°-40°	49.2	18.2
40°-50°	39.6	14.7
50°-60°	29.2	10.8
60°-70°	19.2	7.1
70°-80°	9.9	3.7
80°-90°	2.3	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°	120.6	44.7
0°-40°	169.8	62.9
0°-60°	238.6	88.4
0°-90°	270.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	270.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	216	216	216	216	216	
5°	209	210	209	209	209	19
15°	168	169	169	168	169	47
25°	118	118	118	118	118	54
35°	78	78	78	78	79	49
45°	51	51	51	51	51	40
55°	33	33	33	32	33	29
65°	19	19	19	19	19	19
75°	10	9	9	9	9	10
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

TEST NUMBER: P1316818

CATALOG NUMBER: P3SQAS05R259830DE010 E3SQPHLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	215.7	215.7	215.7	215.7	215.7
1°	215.3	216.0	215.3	215.3	215.7
2°	214.9	215.3	214.9	214.9	214.9
3°	213.4	214.2	213.4	213.4	213.4
4°	211.6	212.3	211.6	211.6	211.6
5°	209.4	210.1	209.4	209.4	209.4
6°	206.8	207.1	206.8	206.8	206.8
7°	203.8	204.2	203.8	203.8	204.2
8°	200.1	200.5	200.5	200.1	200.1
9°	196.4	196.8	196.8	196.4	196.8
10°	192.3	192.7	192.7	192.3	192.3
11°	188.2	188.6	187.9	187.9	188.2
12°	183.4	183.8	183.4	183.4	183.4
13°	178.6	178.6	178.6	178.6	178.6
14°	173.0	173.8	173.8	173.4	173.0
15°	168.2	168.6	168.6	168.2	168.6
17.5°	155.3	156.0	155.6	155.6	155.6
20°	142.3	142.7	142.7	142.3	142.3
22.5°	130.1	129.7	129.7	129.7	129.7
25°	118.2	117.8	117.8	118.2	117.8
27.5°	106.7	107.1	107.1	106.7	107.1
30°	96.3	96.3	96.7	96.3	97.1
32.5°	87.1	87.1	86.7	87.1	87.1
35°	78.2	78.2	78.2	78.2	78.6
37.5°	70.0	70.4	70.8	70.8	70.4
40°	63.4	63.4	63.4	63.4	63.4
42.5°	56.7	56.7	57.1	57.1	57.1
45°	51.1	51.1	51.1	51.1	51.1
47.5°	45.9	45.9	45.6	45.6	45.9
50°	40.8	41.1	40.8	40.8	41.1
52.5°	36.7	36.3	36.3	36.7	36.7
55°	32.6	32.6	32.6	32.2	32.6
57.5°	28.9	28.9	28.5	28.5	28.5
60°	25.2	25.2	25.2	25.2	25.2
62.5°	22.2	22.2	22.2	22.2	22.2
65°	19.3	19.3	19.3	19.3	19.3
67.5°	16.7	16.7	16.7	16.7	16.3
70°	14.1	14.1	13.7	13.7	14.1
72.5°	11.5	11.5	11.5	11.5	11.5
75°	9.6	9.3	9.3	9.3	9.3
77.5°	7.4	7.4	7.0	7.4	7.0
80°	5.2	5.2	5.2	5.2	5.2
82.5°	3.7	3.3	3.3	3.3	3.3
85°	1.9	1.9	1.9	1.9	1.9
87.5°	0.4	0.4	0.4	0.4	0.7



TEST NUMBER: P1316818

CATALOG NUMBER: P3SQAS05R259830DE010 E3SQPHLD1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)