

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: P1306540

Luminaire Tested: P3SQAS05R209027DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306540
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R209027DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

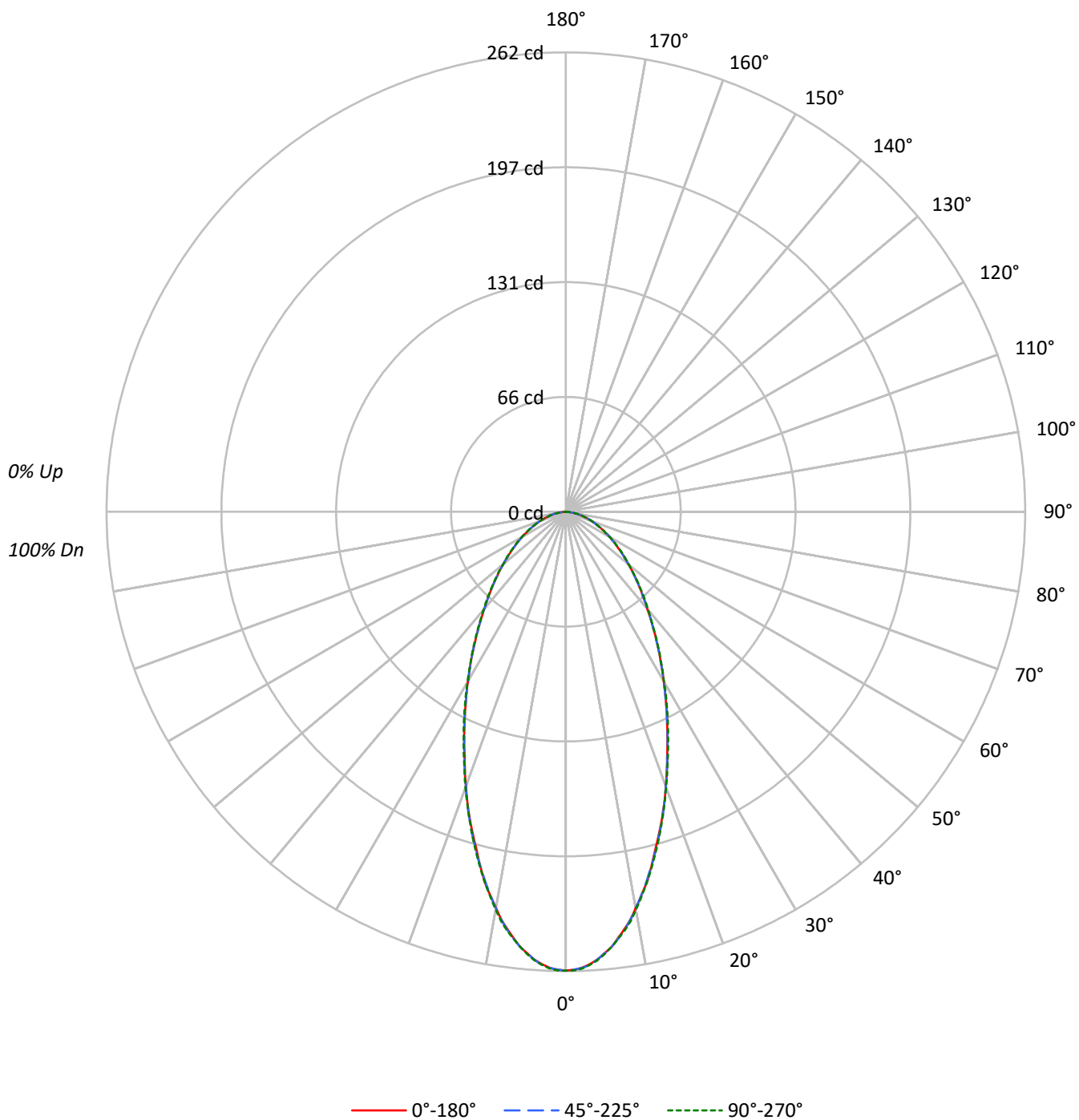
Lumens per Lamp: N/A
Luminaire Lumens: 313.0 lumens
Efficiency: N/A
Efficacy: 43.5 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	91	86	100	94	89	85	91	87	83		88	84	81		85
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71
5	83	72	64	59	81	71	64	58	69	63	58		67	62	57		65
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53
9	65	53	46	41	63	52	46	41	51	45	41		50	45	40		49
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	45071	45071	45071
5°	43704	43704	43791
10°	40117	40205	40292
15°	35321	35499	35570
20°	30570	30570	30662
25°	26015	26015	26205
30°	22213	22114	22293
35°	18964	18964	19069
40°	16277	16277	16389
45°	14224	14224	14346
50°	12512	12512	12512
55°	11080	11080	11230
60°	9989	9989	9989
65°	8965	8965	8965
70°	8006	8006	8006
75°	7120	6854	7120
80°	6050	6050	6050
85°	3754	3754	4545

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 14346 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.4	7.5
10°-20°	55.4	17.7
20°-30°	63.1	20.2
30°-40°	56.6	18.1
40°-50°	45.4	14.5
50°-60°	33.4	10.7
60°-70°	21.8	7.0
70°-80°	11.3	3.6
80°-90°	2.6	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°	141.9	45.3
0°-40°	198.5	63.4
0°-60°	277.3	88.6
0°-90°	313.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	313.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	262	262	262	262	262	
5°	253	253	253	253	253	23
15°	198	198	199	199	200	55
25°	137	137	137	137	138	63
35°	90	90	90	90	91	57
45°	58	58	58	58	59	45
55°	37	37	37	37	37	33
65°	22	22	22	22	22	22
75°	11	10	10	11	11	11
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	261.7	261.7	261.7	261.7	261.7
1°	261.2	260.7	261.2	261.2	261.7
2°	260.3	260.3	260.3	259.8	260.7
3°	258.4	258.4	258.9	258.4	258.9
4°	256.1	256.1	256.1	255.6	256.5
5°	252.8	252.8	252.8	252.8	253.3
6°	249.5	249.1	249.5	249.1	249.5
7°	244.9	244.9	245.3	244.9	245.3
8°	240.2	239.7	240.7	240.2	241.1
9°	235.5	235.0	235.5	235.0	236.4
10°	229.4	229.9	229.9	229.9	230.4
12.5°	215.4	214.5	214.5	214.5	215.4
15°	198.1	198.1	199.1	199.1	199.5
17.5°	182.7	182.2	183.2	183.2	183.2
20°	166.8	166.4	166.8	166.8	167.3
22.5°	150.9	151.4	151.4	151.4	151.9
25°	136.9	136.9	136.9	137.4	137.9
27.5°	123.8	123.4	123.8	124.3	124.8
30°	111.7	111.2	111.2	111.7	112.1
32.5°	100.5	100.0	100.5	100.5	100.9
35°	90.2	90.2	90.2	90.2	90.7
37.5°	80.8	80.8	80.8	81.3	81.3
40°	72.4	72.4	72.4	72.9	72.9
42.5°	65.0	65.0	65.0	65.4	65.9
45°	58.4	58.4	58.4	58.4	58.9
47.5°	52.3	52.3	52.3	52.8	52.8
50°	46.7	46.3	46.7	47.2	46.7
52.5°	41.6	41.6	41.6	41.6	42.1
55°	36.9	36.9	36.9	36.9	37.4
57.5°	32.7	32.7	32.7	33.2	33.2
60°	29.0	29.0	29.0	29.0	29.0
62.5°	25.2	25.2	25.2	25.2	25.2
65°	22.0	21.5	22.0	22.0	22.0
67.5°	18.7	18.7	18.7	18.7	18.7
70°	15.9	15.9	15.9	15.9	15.9
72.5°	13.1	13.1	13.1	13.1	13.1
75°	10.7	10.3	10.3	10.7	10.7
77.5°	8.4	7.9	8.4	8.4	8.4
80°	6.1	6.1	6.1	6.1	6.1
82.5°	3.7	3.7	3.7	4.2	4.2
85°	1.9	1.9	1.9	2.3	2.3
87.5°	0.5	0.5	0.5	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)