

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: P1314033

Luminaire Tested: P3SQAS05R209735DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314033
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: P3SQAS05R209735DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

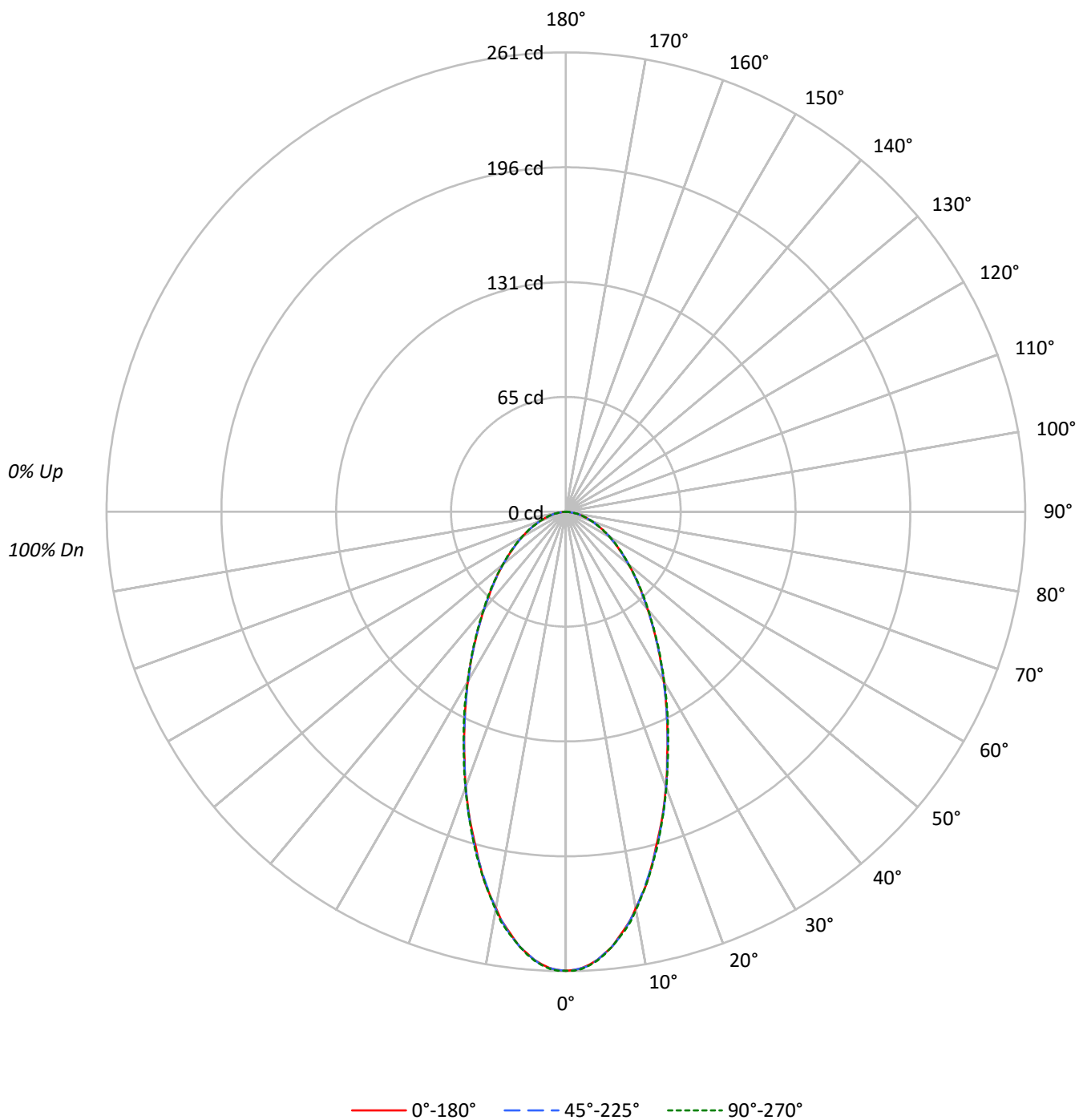
Lumens per Lamp: N/A
Luminaire Lumens: 312.0 lumens
Efficiency: N/A
Efficacy: 43.3 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	44916	44916	44916
5°	43566	43566	43652
10°	39995	40082	40152
15°	35214	35374	35463
20°	30479	30479	30570
25°	25939	25939	26110
30°	22134	22054	22233
35°	18901	18901	19006
40°	16232	16232	16344
45°	14175	14175	14297
50°	12486	12486	12486
55°	11050	11050	11200
60°	9954	9954	9954
65°	8925	8925	8925
70°	7956	7956	7956
75°	7120	6787	7120
80°	6050	6050	6050
85°	3754	3754	4545

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 14297 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.3	7.5
10°-20°	55.2	17.7
20°-30°	62.9	20.2
30°-40°	56.5	18.1
40°-50°	45.2	14.5
50°-60°	33.3	10.7
60°-70°	21.7	7.0
70°-80°	11.2	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°	141.4	45.3
0°-40°	197.9	63.4
0°-60°	276.4	88.6
0°-90°	312.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	312.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	261	261	261	261	261	
5°	252	252	252	252	252	23
15°	198	198	198	198	199	55
25°	136	136	136	137	137	63
35°	90	90	90	90	90	56
45°	58	58	58	58	59	45
55°	37	37	37	37	37	33
65°	22	21	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°	260.8	260.8	260.8	260.8	260.8
1°	260.4	259.9	260.4	260.4	260.8
2°	259.4	259.4	259.4	259.0	259.9
3°	257.6	257.6	258.1	257.6	258.1
4°	255.3	255.3	255.3	254.8	255.7
5°	252.0	252.0	252.0	252.0	252.5
6°	248.7	248.3	248.7	248.3	248.7
7°	244.1	244.1	244.5	244.1	244.5
8°	239.4	239.0	239.9	239.4	240.4
9°	234.8	234.3	234.8	234.3	235.7
10°	228.7	229.2	229.2	229.2	229.6
12.5°	214.7	213.8	213.8	213.8	214.7
15°	197.5	197.5	198.4	198.4	198.9
17.5°	182.1	181.7	182.6	182.6	182.6
20°	166.3	165.8	166.3	166.3	166.8
22.5°	150.5	150.9	150.9	150.9	151.4
25°	136.5	136.5	136.5	136.9	137.4
27.5°	123.4	123.0	123.4	123.9	124.4
30°	111.3	110.9	110.9	111.3	111.8
32.5°	100.1	99.7	100.1	100.1	100.6
35°	89.9	89.9	89.9	89.9	90.4
37.5°	80.6	80.6	80.6	81.0	81.0
40°	72.2	72.2	72.2	72.7	72.7
42.5°	64.7	64.7	64.7	65.2	65.7
45°	58.2	58.2	58.2	58.2	58.7
47.5°	52.2	52.2	52.2	52.6	52.6
50°	46.6	46.1	46.6	47.0	46.6
52.5°	41.5	41.5	41.5	41.5	41.9
55°	36.8	36.8	36.8	36.8	37.3
57.5°	32.6	32.6	32.6	33.1	33.1
60°	28.9	28.9	28.9	28.9	28.9
62.5°	25.2	25.2	25.2	25.2	25.2
65°	21.9	21.4	21.9	21.9	21.9
67.5°	18.6	18.6	18.6	18.6	18.6
70°	15.8	15.8	15.8	15.8	15.8
72.5°	13.0	13.0	13.0	13.0	13.0
75°	10.7	10.2	10.2	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)