

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: P1312089

Luminaire Tested: P3SQAS05R209727DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312089
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: P3SQAS05R209727DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

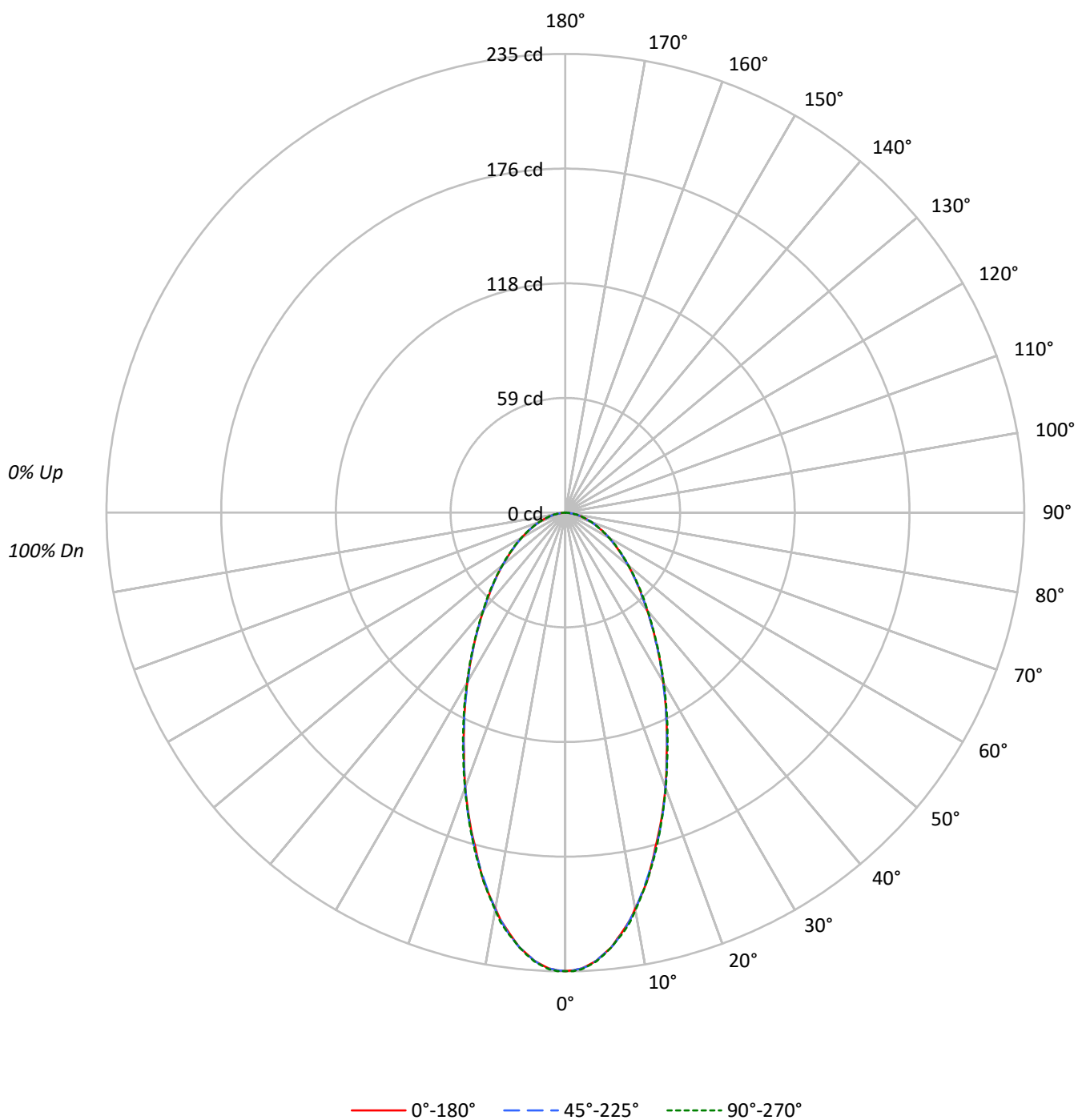
Lumens per Lamp: N/A
Luminaire Lumens: 281.0 lumens
Efficiency: N/A
Efficacy: 39.0 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	71		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°	40455	40455	40455
5°	39244	39244	39313
10°	36025	36095	36165
15°	31719	31862	31933
20°	27455	27455	27528
25°	23354	23354	23525
30°	19946	19847	20026
35°	17030	17030	17114
40°	14613	14613	14703
45°	12763	12763	12884
50°	11253	11253	11253
55°	9939	9939	10089
60°	8956	8956	8956
65°	8028	8028	8028
70°	7201	7201	7201
75°	6388	6122	6388
80°	5455	5455	5455
85°	3359	3359	4150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 12884 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.0	7.5
10°-20°	49.7	17.7
20°-30°	56.6	20.2
30°-40°	50.9	18.1
40°-50°	40.7	14.5
50°-60°	29.9	10.7
60°-70°	19.6	7.0
70°-80°	10.1	3.6
80°-90°	2.4	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°	127.4	45.3
0°-40°	178.2	63.4
0°-60°	248.9	88.6
0°-90°	281.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	281.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	235	235	235	235	235	
5°	227	227	227	227	227	21
15°	178	178	179	179	179	50
25°	123	123	123	123	124	57
35°	81	81	81	81	81	51
45°	52	52	52	52	53	41
55°	33	33	33	33	34	30
65°	20	19	20	20	20	20
75°	10	9	9	10	10	10
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°	234.9	234.9	234.9	234.9	234.9
1°	234.5	234.1	234.5	234.5	234.9
2°	233.7	233.7	233.7	233.3	234.1
3°	232.0	232.0	232.4	232.0	232.4
4°	229.9	229.9	229.9	229.5	230.3
5°	227.0	227.0	227.0	227.0	227.4
6°	224.0	223.6	224.0	223.6	224.0
7°	219.8	219.8	220.2	219.8	220.2
8°	215.6	215.2	216.1	215.6	216.5
9°	211.4	211.0	211.4	211.0	212.3
10°	206.0	206.4	206.4	206.4	206.8
12.5°	193.4	192.6	192.6	192.6	193.4
15°	177.9	177.9	178.7	178.7	179.1
17.5°	164.0	163.6	164.5	164.5	164.5
20°	149.8	149.3	149.8	149.8	150.2
22.5°	135.5	135.9	135.9	135.9	136.3
25°	122.9	122.9	122.9	123.3	123.8
27.5°	111.2	110.8	111.2	111.6	112.0
30°	100.3	99.8	99.8	100.3	100.7
32.5°	90.2	89.8	90.2	90.2	90.6
35°	81.0	81.0	81.0	81.0	81.4
37.5°	72.6	72.6	72.6	73.0	73.0
40°	65.0	65.0	65.0	65.4	65.4
42.5°	58.3	58.3	58.3	58.7	59.2
45°	52.4	52.4	52.4	52.4	52.9
47.5°	47.0	47.0	47.0	47.4	47.4
50°	42.0	41.5	42.0	42.4	42.0
52.5°	37.3	37.3	37.3	37.3	37.8
55°	33.1	33.1	33.1	33.1	33.6
57.5°	29.4	29.4	29.4	29.8	29.8
60°	26.0	26.0	26.0	26.0	26.0
62.5°	22.7	22.7	22.7	22.7	22.7
65°	19.7	19.3	19.7	19.7	19.7
67.5°	16.8	16.8	16.8	16.8	16.8
70°	14.3	14.3	14.3	14.3	14.3
72.5°	11.7	11.7	11.7	11.7	11.7
75°	9.6	9.2	9.2	9.6	9.6
77.5°	7.6	7.1	7.6	7.6	7.6
80°	5.5	5.5	5.5	5.5	5.5
82.5°	3.4	3.4	3.4	3.8	3.8
85°	1.7	1.7	1.7	2.1	2.1
87.5°	0.4	0.4	0.4	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)