

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: P1315958

Luminaire Tested: P3SQAS05R309827DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315958
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R309827DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

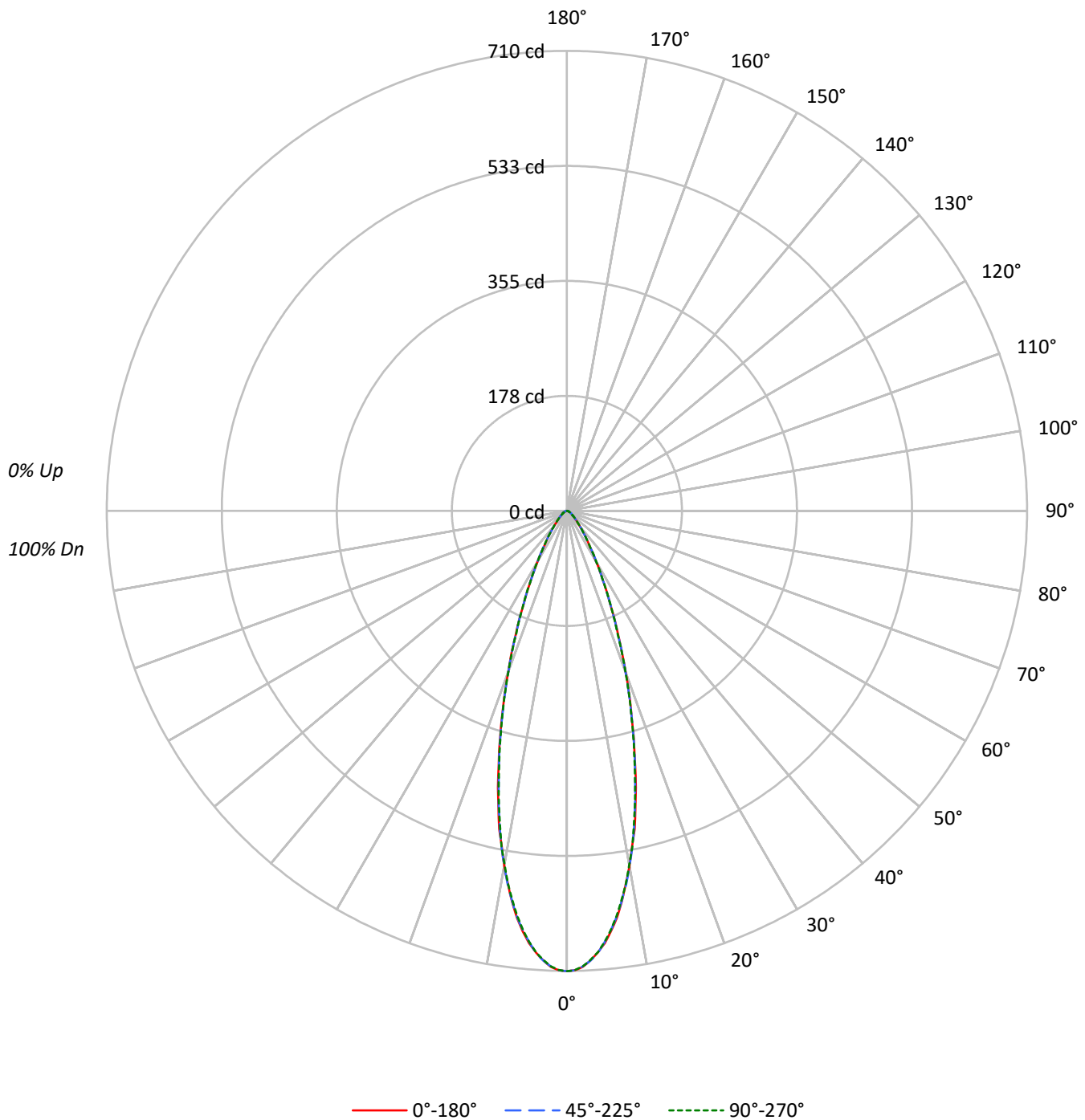
Lumens per Lamp: N/A
Luminaire Lumens: 312.0 lumens
Efficiency: N/A
Efficacy: 43.3 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	96	96	94
2	108	104	100	97	106	102	98	96	99	96	93	96	93	91	93	91	90	90	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	84	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	79	79	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	75	75	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	71	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	68	68	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	62	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	122347	122347	122347
5°	115830	115536	115484
10°	97320	97320	96953
15°	72496	72318	71890
20°	48531	48275	48330
25°	29910	29853	29986
30°	17977	17977	18057
35°	11038	11038	11101
40°	6992	6992	7149
45°	4798	4871	4871
50°	3510	3510	3510
55°	2702	2792	2792
60°	2273	2273	2377
65°	1956	1956	1956
70°	1762	1913	1913
75°	1597	1597	1597
80°	1389	1389	1389
85°	593	593	593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 4871 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	19.3
10°-20°	111.2	35.6
20°-30°	73.9	23.7
30°-40°	34.2	11.0
40°-50°	15.9	5.1
50°-60°	8.5	2.7
60°-70°	4.9	1.6
70°-80°	2.6	0.8
80°-90°	0.5	0.2
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°	245.3	78.6
0°-40°	279.5	89.6
0°-60°	303.8	97.4
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°	710	710	710	710	710	
5°	670	669	668	670	668	60
15°	407	408	406	406	403	112
25°	157	157	157	157	158	74
35°	52	52	52	53	53	34
45°	20	20	20	20	20	16
55°	9	9	9	9	9	8
65°	5	5	5	5	5	5
75°	2	2	2	2	2	3
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	710.4	710.4	710.4	710.4	710.4
1°	709.0	708.4	709.0	710.1	708.7
2°	704.2	703.5	703.5	704.9	703.5
3°	694.9	695.6	695.2	696.6	694.2
4°	683.2	682.8	684.2	684.9	682.8
5°	670.0	668.7	668.3	670.0	668.0
6°	652.1	651.1	650.4	652.4	649.7
7°	632.8	632.1	631.0	631.7	629.6
8°	608.9	608.6	607.9	608.6	606.2
9°	582.4	582.4	583.7	583.4	582.0
10°	556.5	557.2	556.5	557.2	554.4
11°	527.5	527.5	528.2	527.8	528.2
12°	502.3	499.5	498.8	498.1	496.1
13°	469.8	467.7	467.1	467.7	466.7
14°	440.1	438.8	435.3	436.0	434.6
15°	406.6	408.0	405.6	405.6	403.2
17.5°	332.4	331.0	331.7	332.1	331.0
20°	264.8	264.1	263.4	262.7	263.7
22.5°	205.7	206.1	205.4	204.7	204.0
25°	157.4	157.1	157.1	157.1	157.8
27.5°	119.4	119.4	119.4	119.8	119.8
30°	90.4	89.8	90.4	90.8	90.8
32.5°	67.7	68.3	68.7	68.7	68.7
35°	52.5	52.1	52.5	52.8	52.8
37.5°	40.0	40.0	40.4	40.4	40.7
40°	31.1	31.1	31.1	31.4	31.8
42.5°	24.5	24.5	24.9	24.9	25.2
45°	19.7	19.7	20.0	20.0	20.0
47.5°	15.9	15.9	16.2	16.2	16.2
50°	13.1	13.1	13.1	13.1	13.1
52.5°	11.0	10.7	11.0	11.0	11.0
55°	9.0	9.3	9.3	9.3	9.3
57.5°	7.6	7.9	7.9	7.9	7.9
60°	6.6	6.6	6.6	6.9	6.9
62.5°	5.5	5.9	5.9	5.9	5.9
65°	4.8	4.8	4.8	4.8	4.8
67.5°	4.1	4.1	4.1	4.1	4.5
70°	3.5	3.5	3.8	3.8	3.8
72.5°	3.1	3.1	3.1	3.1	3.1
75°	2.4	2.4	2.4	2.4	2.4
77.5°	1.7	1.7	2.1	2.1	1.7
80°	1.4	1.4	1.4	1.4	1.4
82.5°	1.0	1.0	1.0	1.0	1.0
85°	0.3	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0



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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)