

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: P1311314

Luminaire Tested: P3SQAS13R259050DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311314
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R259050DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

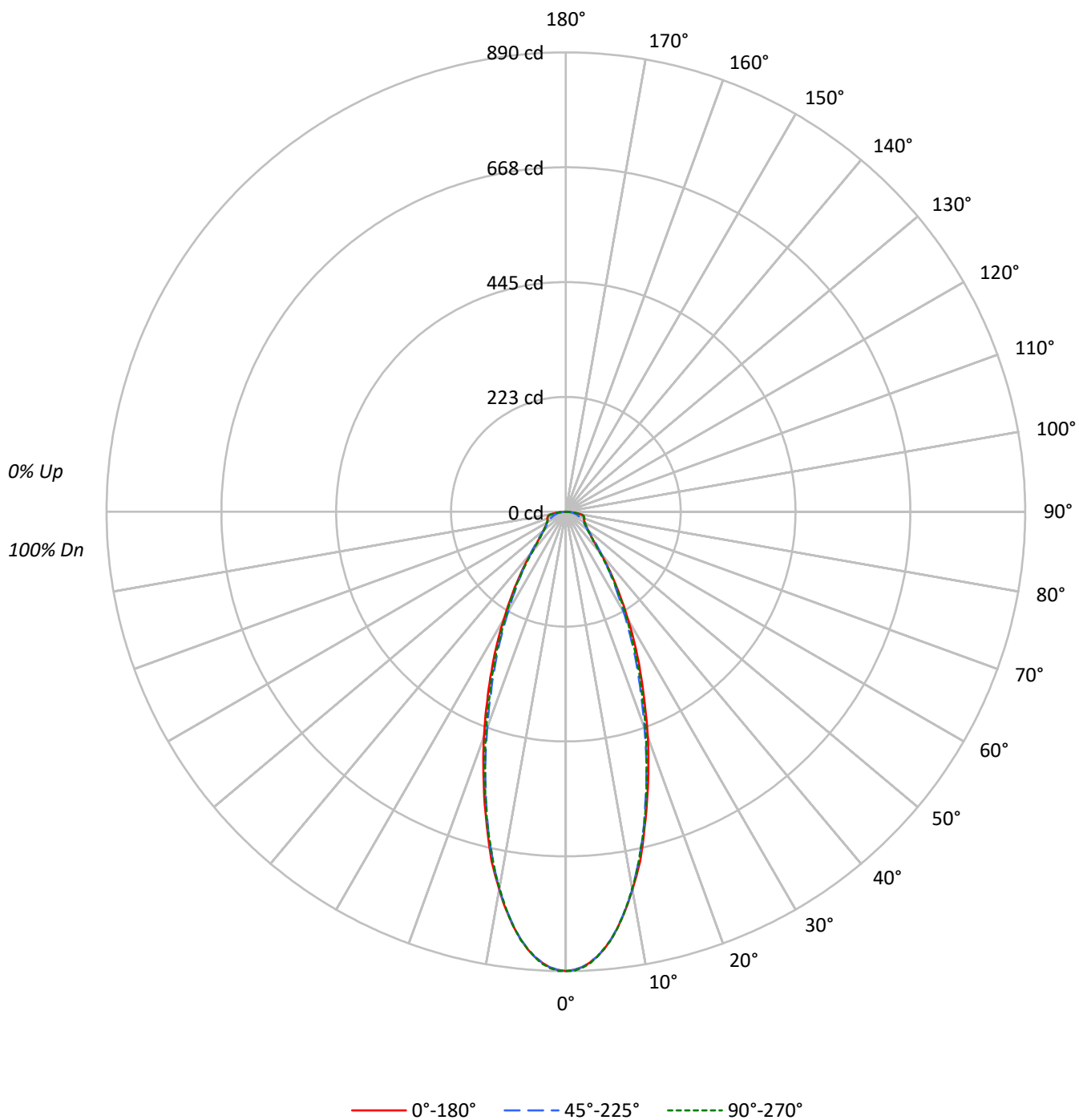
Lumens per Lamp: N/A
Luminaire Lumens: 672.0 lumens
Efficiency: N/A
Efficacy: 46.0 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	153244	153244	153244
5°	147035	146845	146845
10°	129988	129796	129428
15°	107335	105820	106390
20°	85040	81539	82896
25°	64761	61341	62956
30°	47728	44347	46236
35°	34165	32588	33029
40°	23404	23876	22684
45°	17317	18364	17074
50°	15085	15085	14790
55°	14352	13722	14352
60°	14639	13537	14639
65°	16015	13855	16015
70°	19235	13898	18732
75°	24022	14839	24022
80°	30547	15769	28464
85°	25096	14623	25096

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 30547 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.7	11.6
10°-20°	165.0	24.6
20°-30°	151.2	22.5
30°-40°	99.7	14.8
40°-50°	58.0	8.6
50°-60°	42.4	6.3
60°-70°	36.0	5.4
70°-80°	29.8	4.4
80°-90°	12.3	1.8
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°	393.8	58.6
0°-40°	493.5	73.4
0°-60°	594.0	88.4
0°-90°	672.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	672.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	890	890	890	890	890	
5°	850	849	849	850	849	78
15°	602	600	594	596	597	167
25°	341	331	323	324	331	157
35°	162	159	155	155	157	103
45°	71	73	75	71	70	57
55°	48	48	46	47	48	43
65°	39	36	34	36	39	39
75°	36	28	22	28	36	38
85°	13	14	7	14	13	14
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	889.8	889.8	889.8	889.8	889.8
1°	887.7	887.7	887.7	887.7	889.8
2°	883.4	882.3	883.4	883.4	884.5
3°	874.9	874.9	874.9	874.9	877.0
4°	864.3	864.3	864.3	864.3	864.3
5°	850.5	849.4	849.4	850.5	849.4
6°	833.5	833.5	833.5	833.5	834.6
7°	814.4	813.3	813.3	812.3	814.4
8°	792.1	792.1	791.0	790.0	792.1
9°	768.7	769.8	767.7	766.6	766.6
10°	743.3	742.2	742.2	742.2	740.1
11°	717.8	714.6	713.5	713.5	715.6
12°	692.3	687.0	684.9	684.9	684.9
13°	661.5	659.4	656.2	654.1	655.1
14°	630.7	630.7	625.4	625.4	627.5
15°	602.0	599.9	593.5	595.7	596.7
17.5°	530.9	526.6	519.2	519.2	520.3
20°	464.0	456.6	444.9	450.2	452.3
22.5°	398.2	390.7	379.1	384.4	386.5
25°	340.8	331.3	322.8	323.8	331.3
27.5°	288.8	278.2	269.7	272.9	277.1
30°	240.0	233.6	223.0	228.3	232.5
32.5°	198.6	193.2	185.8	189.0	193.2
35°	162.5	159.3	155.0	155.0	157.1
37.5°	131.7	130.6	128.5	127.4	126.4
40°	104.1	106.2	106.2	104.1	100.9
42.5°	84.9	87.1	89.2	84.9	81.8
45°	71.1	73.3	75.4	71.1	70.1
47.5°	62.6	63.7	64.8	62.6	61.6
50°	56.3	56.3	56.3	55.2	55.2
52.5°	52.0	51.0	49.9	51.0	51.0
55°	47.8	47.8	45.7	46.7	47.8
57.5°	44.6	43.5	42.5	43.5	44.6
60°	42.5	40.3	39.3	40.3	42.5
62.5°	40.3	38.2	36.1	38.2	40.3
65°	39.3	36.1	34.0	36.1	39.3
67.5°	38.2	34.0	30.8	34.0	38.2
70°	38.2	31.9	27.6	31.9	37.2
72.5°	37.2	29.7	25.5	29.7	37.2
75°	36.1	27.6	22.3	27.6	36.1
77.5°	35.0	25.5	19.1	25.5	34.0
80°	30.8	23.4	15.9	23.4	28.7
82.5°	22.3	19.1	12.7	19.1	21.2
85°	12.7	13.8	7.4	13.8	12.7
87.5°	2.1	3.2	2.1	5.3	4.2



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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)