

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: P1309119

Luminaire Tested: P3SQAS13R259035DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309119
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: P3SQAS13R259035DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

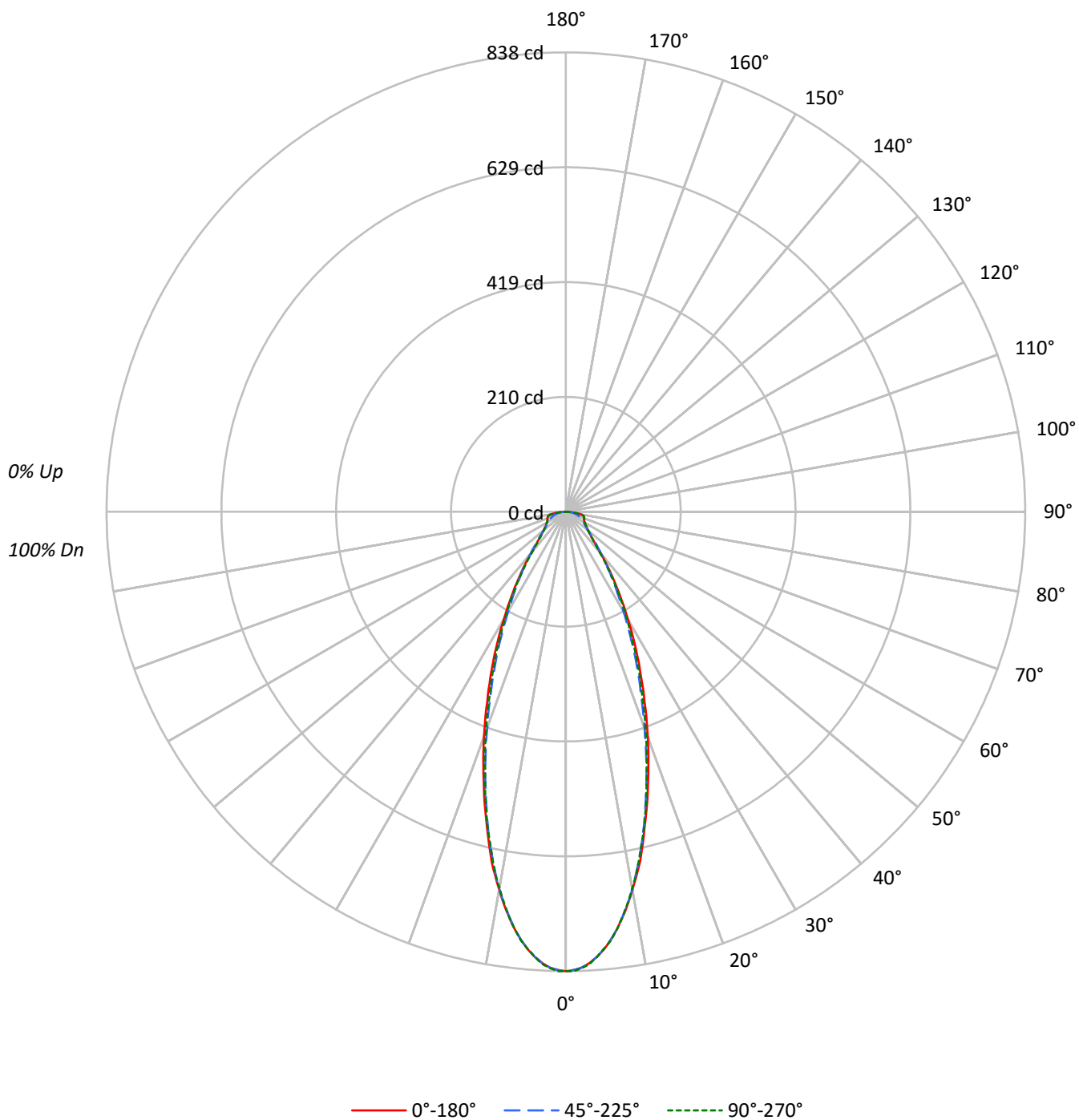
Lumens per Lamp: N/A
Luminaire Lumens: 633.0 lumens
Efficiency: N/A
Efficacy: 43.4 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	144340	144340	144340
5°	138495	138322	138322
10°	122433	122258	121908
15°	101113	99686	100221
20°	80110	76811	78094
25°	61018	57787	59307
30°	44944	41762	43552
35°	32167	30696	31116
40°	22032	22482	21358
45°	16318	17293	16075
50°	14200	14200	13932
55°	13512	12911	13512
60°	13778	12744	13778
65°	15078	13040	15078
70°	18128	13092	17624
75°	22624	13974	22624
80°	28762	14877	26778
85°	23712	13832	23712

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 28762 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.1	11.6
10°-20°	155.4	24.6
20°-30°	142.4	22.5
30°-40°	93.9	14.8
40°-50°	54.7	8.6
50°-60°	39.9	6.3
60°-70°	33.9	5.4
70°-80°	28.1	4.4
80°-90°	11.6	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°	371.0	58.6
0°-40°	464.9	73.4
0°-60°	559.4	88.4
0°-90°	633.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	633.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	838	838	838	838	838	
5°	801	800	800	801	800	73
15°	567	565	559	561	562	157
25°	321	312	304	305	312	148
35°	153	150	146	146	148	97
45°	67	69	71	67	66	54
55°	45	45	43	44	45	41
65°	37	34	32	34	37	37
75°	34	26	21	26	34	36
85°	12	13	7	13	12	13
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	838.1	838.1	838.1	838.1	838.1
1°	836.1	836.1	836.1	836.1	838.1
2°	832.1	831.1	832.1	832.1	833.1
3°	824.1	824.1	824.1	824.1	826.1
4°	814.1	814.1	814.1	814.1	814.1
5°	801.1	800.1	800.1	801.1	800.1
6°	785.1	785.1	785.1	785.1	786.1
7°	767.1	766.1	766.1	765.1	767.1
8°	746.1	746.1	745.1	744.1	746.1
9°	724.1	725.1	723.1	722.1	722.1
10°	700.1	699.1	699.1	699.1	697.1
11°	676.1	673.1	672.1	672.1	674.1
12°	652.1	647.1	645.1	645.1	645.1
13°	623.1	621.1	618.1	616.1	617.1
14°	594.1	594.1	589.1	589.1	591.1
15°	567.1	565.1	559.1	561.1	562.1
17.5°	500.1	496.1	489.1	489.1	490.1
20°	437.1	430.1	419.1	424.1	426.1
22.5°	375.1	368.1	357.1	362.1	364.1
25°	321.1	312.1	304.1	305.1	312.1
27.5°	272.0	262.0	254.0	257.0	261.0
30°	226.0	220.0	210.0	215.0	219.0
32.5°	187.0	182.0	175.0	178.0	182.0
35°	153.0	150.0	146.0	146.0	148.0
37.5°	124.0	123.0	121.0	120.0	119.0
40°	98.0	100.0	100.0	98.0	95.0
42.5°	80.0	82.0	84.0	80.0	77.0
45°	67.0	69.0	71.0	67.0	66.0
47.5°	59.0	60.0	61.0	59.0	58.0
50°	53.0	53.0	53.0	52.0	52.0
52.5°	49.0	48.0	47.0	48.0	48.0
55°	45.0	45.0	43.0	44.0	45.0
57.5°	42.0	41.0	40.0	41.0	42.0
60°	40.0	38.0	37.0	38.0	40.0
62.5°	38.0	36.0	34.0	36.0	38.0
65°	37.0	34.0	32.0	34.0	37.0
67.5°	36.0	32.0	29.0	32.0	36.0
70°	36.0	30.0	26.0	30.0	35.0
72.5°	35.0	28.0	24.0	28.0	35.0
75°	34.0	26.0	21.0	26.0	34.0
77.5°	33.0	24.0	18.0	24.0	32.0
80°	29.0	22.0	15.0	22.0	27.0
82.5°	21.0	18.0	12.0	18.0	20.0
85°	12.0	13.0	7.0	13.0	12.0
87.5°	2.0	3.0	2.0	5.0	4.0



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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)