

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: P1308448

Luminaire Tested: P3SQAS24R259030D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308448
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R259030D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

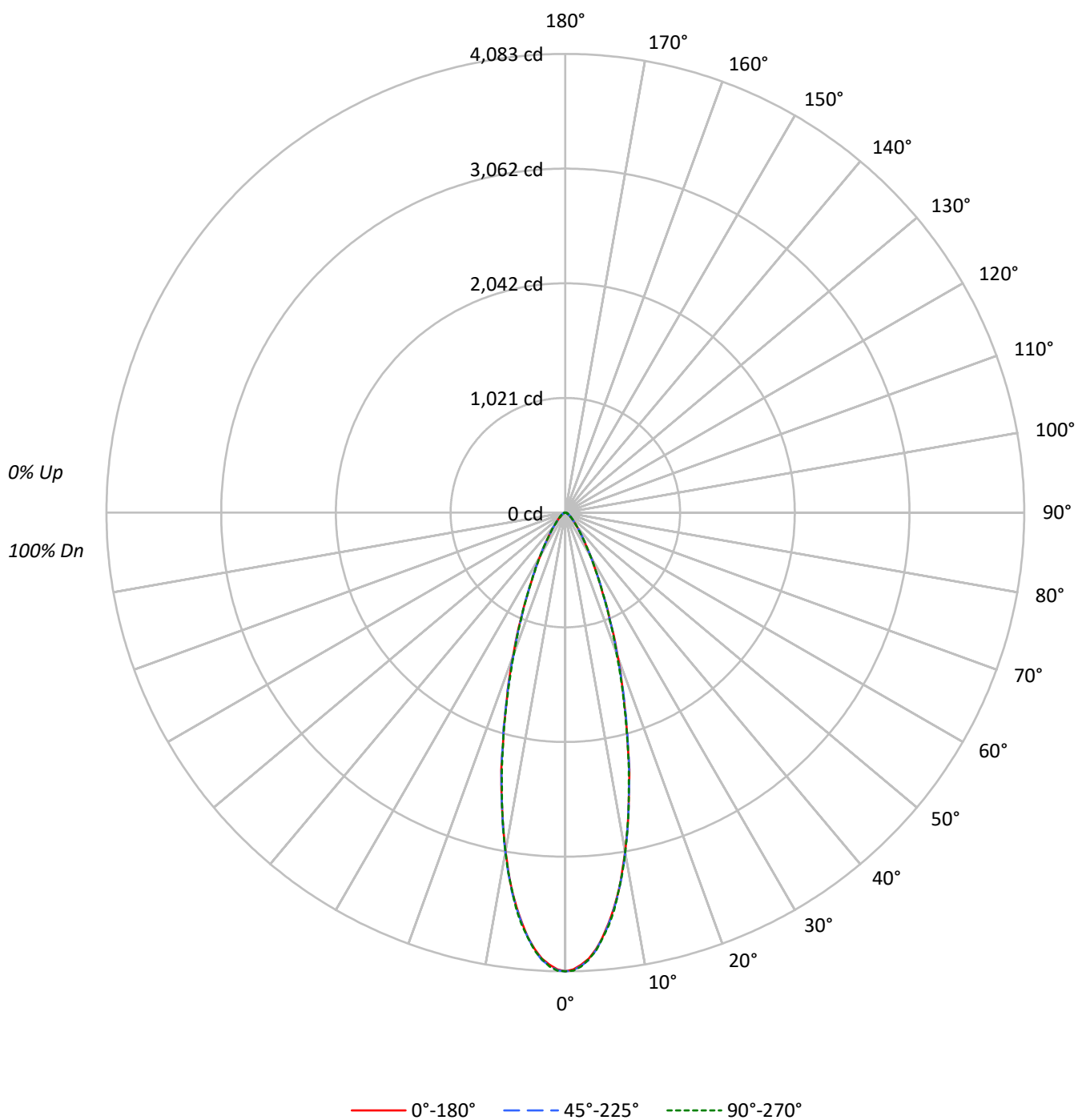
Lumens per Lamp: N/A
Luminaire Lumens: 1636.0 lumens
Efficiency: N/A
Efficacy: 56.8 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82	78	76	74
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75	71	69	67
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72	68	66	64
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	703185	703185	703185
5°	656341	657015	657344
10°	535358	537037	537037
15°	382378	384428	382378
20°	250263	247807	244306
25°	148791	149513	148791
30°	89629	89629	89251
35°	54601	55000	54601
40°	34780	35207	35207
45°	24185	24185	24185
50°	17389	17898	17898
55°	13752	13752	14322
60°	11194	11849	11849
65°	10106	10106	10106
70°	8661	8661	9618
75°	7652	7652	8917
80°	7538	7538	7538
85°	3754	3754	3754

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24185 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.3	20.7
10°-20°	591.4	36.2
20°-30°	371.8	22.7
30°-40°	170.1	10.4
40°-50°	79.4	4.9
50°-60°	42.7	2.6
60°-70°	25.2	1.5
70°-80°	13.1	0.8
80°-90°	2.9	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°	1302.5	79.6
0°-40°	1472.6	90.0
0°-60°	1594.7	97.5
0°-90°	1636.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1636.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4083	4083	4083	4083	4083	
5°	3796	3804	3800	3804	3802	339
15°	2145	2158	2156	2160	2145	591
25°	783	792	787	787	783	373
35°	260	260	262	262	260	170
45°	99	99	99	99	99	79
55°	46	46	46	48	48	42
65°	25	25	25	25	25	25
75°	12	12	12	13	13	13
85°	2	2	2	2	2	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4083.0	4083.0	4083.0	4083.0	4083.0
1°	4065.8	4069.6	4073.5	4079.2	4077.3
2°	4027.6	4035.3	4037.2	4044.8	4042.9
3°	3976.1	3974.2	3989.4	3989.4	3979.9
4°	3895.9	3899.7	3903.5	3907.3	3909.2
5°	3796.5	3804.2	3800.4	3804.2	3802.3
6°	3674.3	3685.8	3683.9	3687.7	3693.4
7°	3544.5	3552.1	3552.1	3548.3	3563.6
8°	3403.1	3397.4	3407.0	3403.1	3401.2
9°	3235.1	3246.5	3248.5	3238.9	3242.7
10°	3061.3	3068.9	3070.9	3076.6	3070.9
11°	2889.4	2889.4	2893.2	2902.8	2887.5
12°	2702.3	2719.5	2702.3	2709.9	2702.3
13°	2524.7	2528.5	2524.7	2522.8	2509.4
14°	2356.6	2343.2	2347.1	2331.8	2333.7
15°	2144.6	2158.0	2156.1	2159.9	2144.6
17.5°	1724.5	1732.1	1730.2	1726.4	1707.3
20°	1365.5	1365.5	1352.1	1344.5	1333.0
22.5°	1042.7	1038.9	1033.2	1027.4	1031.3
25°	783.0	792.5	786.8	786.8	783.0
27.5°	592.0	603.5	593.9	588.2	592.0
30°	450.7	454.5	450.7	448.8	448.8
32.5°	339.9	341.8	339.9	339.9	339.9
35°	259.7	259.7	261.6	261.6	259.7
37.5°	200.5	200.5	200.5	200.5	202.4
40°	154.7	156.6	156.6	156.6	156.6
42.5°	122.2	124.1	124.1	124.1	124.1
45°	99.3	99.3	99.3	99.3	99.3
47.5°	80.2	80.2	80.2	80.2	82.1
50°	64.9	66.8	66.8	66.8	66.8
52.5°	55.4	55.4	55.4	55.4	55.4
55°	45.8	45.8	45.8	47.7	47.7
57.5°	38.2	38.2	40.1	40.1	40.1
60°	32.5	34.4	34.4	34.4	34.4
62.5°	28.6	28.6	30.6	30.6	30.6
65°	24.8	24.8	24.8	24.8	24.8
67.5°	21.0	21.0	21.0	21.0	22.9
70°	17.2	17.2	17.2	19.1	19.1
72.5°	15.3	15.3	15.3	15.3	15.3
75°	11.5	11.5	11.5	13.4	13.4
77.5°	9.5	9.5	9.5	9.5	9.5
80°	7.6	7.6	7.6	7.6	7.6
82.5°	3.8	3.8	5.7	5.7	5.7
85°	1.9	1.9	1.9	1.9	1.9
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)