

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: P1308465

Luminaire Tested: P3SQAS24R309030D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308465
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: P3SQAS24R309030D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

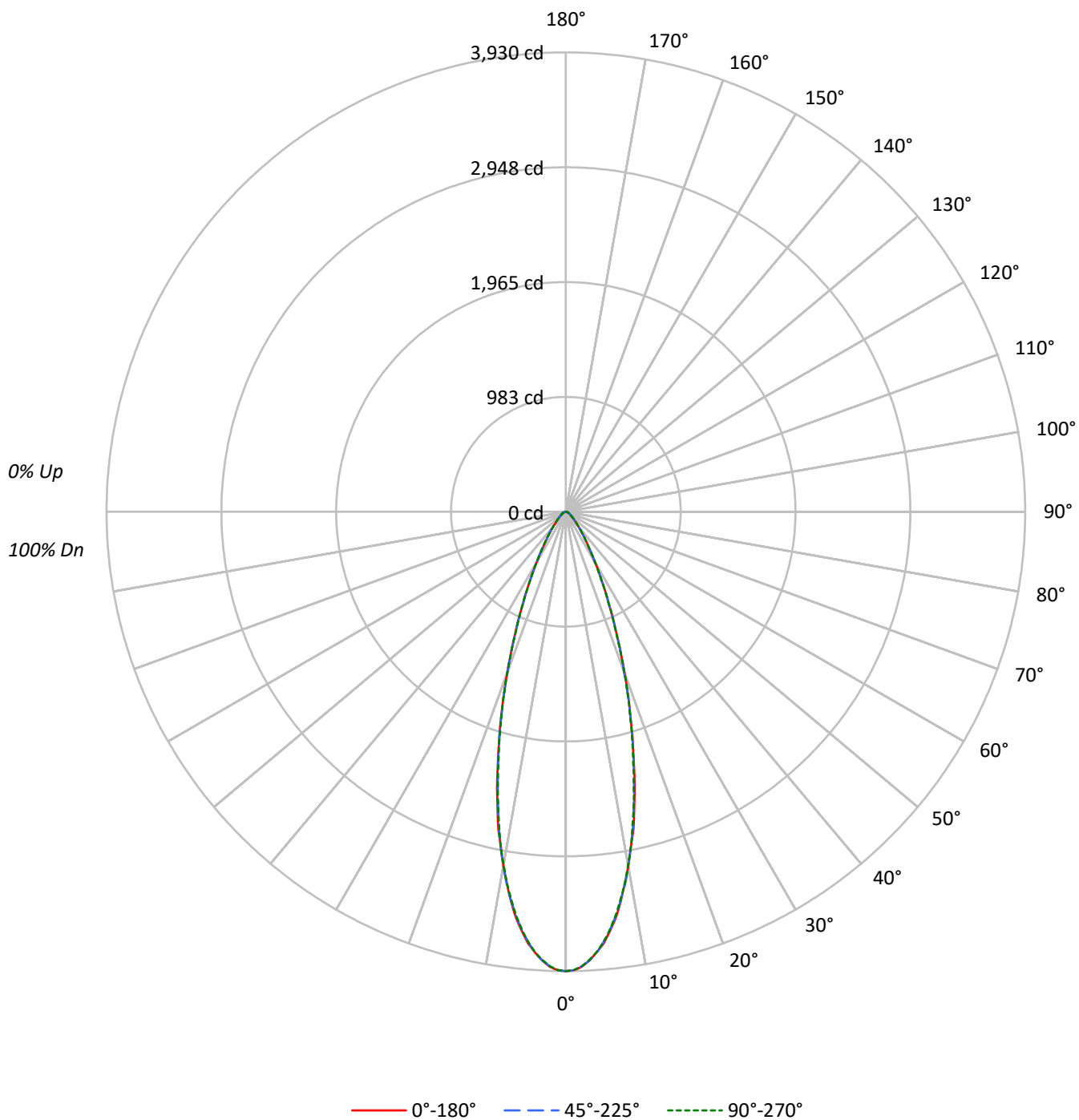
Lumens per Lamp: N/A
Luminaire Lumens: 1726.0 lumens
Efficiency: N/A
Efficacy: 59.9 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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
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	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	676852	676852	676852
5°	640816	639157	638828
10°	538349	538349	536338
15°	401099	400083	397694
20°	268444	267051	267399
25°	165475	165114	165836
30°	99492	99492	99870
35°	61034	61034	61434
40°	38647	38647	39501
45°	26524	26986	26986
50°	19452	19452	19452
55°	14923	15493	15493
60°	12503	12503	13158
65°	10881	10881	10881
70°	9618	10574	10574
75°	8917	8917	8917
80°	7538	7538	7538
85°	3754	3754	3754

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 26986 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.2	19.3
10°-20°	615.2	35.6
20°-30°	408.9	23.7
30°-40°	189.0	11.0
40°-50°	87.8	5.1
50°-60°	46.9	2.7
60°-70°	27.4	1.6
70°-80°	14.5	0.8
80°-90°	3.1	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°	1357.3	78.6
0°-40°	1546.3	89.6
0°-60°	1681.0	97.4
0°-90°	1726.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1726.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3930	3930	3930	3930	3930	
5°	3707	3699	3697	3707	3695	333
15°	2250	2257	2244	2244	2230	617
25°	871	869	869	869	873	410
35°	290	288	290	292	292	188
45°	109	109	111	111	111	87
55°	50	52	52	52	52	46
65°	27	27	27	27	27	27
75°	13	13	13	13	13	14
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°	3930.1	3930.1	3930.1	3930.1	3930.1
1°	3922.5	3918.6	3922.5	3928.2	3920.6
2°	3895.7	3891.9	3891.9	3899.6	3891.9
3°	3844.2	3848.0	3846.1	3853.7	3840.4
4°	3779.2	3777.3	3785.0	3788.8	3777.3
5°	3706.7	3699.0	3697.1	3706.7	3695.2
6°	3607.4	3601.6	3597.8	3609.3	3594.0
7°	3500.4	3496.6	3490.9	3494.7	3483.2
8°	3368.7	3366.8	3362.9	3366.8	3353.4
9°	3221.6	3221.6	3229.3	3227.3	3219.7
10°	3078.4	3082.2	3078.4	3082.2	3066.9
11°	2918.0	2918.0	2921.8	2919.9	2921.8
12°	2778.6	2763.3	2759.5	2755.7	2744.2
13°	2599.1	2587.6	2583.8	2587.6	2581.9
14°	2434.8	2427.2	2408.1	2411.9	2404.3
15°	2249.6	2257.2	2243.9	2243.9	2230.5
17.5°	1839.0	1831.4	1835.2	1837.1	1831.4
20°	1464.7	1460.9	1457.1	1453.3	1459.0
22.5°	1138.2	1140.1	1136.3	1132.4	1128.6
25°	870.8	868.9	868.9	868.9	872.7
27.5°	660.7	660.7	660.7	662.7	662.7
30°	500.3	496.5	500.3	502.2	502.2
32.5°	374.3	378.1	380.0	380.0	380.0
35°	290.3	288.4	290.3	292.2	292.2
37.5°	221.5	221.5	223.4	223.4	225.3
40°	171.9	171.9	171.9	173.8	175.7
42.5°	135.6	135.6	137.5	137.5	139.4
45°	108.9	108.9	110.8	110.8	110.8
47.5°	87.8	87.8	89.8	89.8	89.8
50°	72.6	72.6	72.6	72.6	72.6
52.5°	61.1	59.2	61.1	61.1	61.1
55°	49.7	51.6	51.6	51.6	51.6
57.5°	42.0	43.9	43.9	43.9	43.9
60°	36.3	36.3	36.3	38.2	38.2
62.5°	30.6	32.5	32.5	32.5	32.5
65°	26.7	26.7	26.7	26.7	26.7
67.5°	22.9	22.9	22.9	22.9	24.8
70°	19.1	19.1	21.0	21.0	21.0
72.5°	17.2	17.2	17.2	17.2	17.2
75°	13.4	13.4	13.4	13.4	13.4
77.5°	9.5	9.5	11.5	11.5	9.5
80°	7.6	7.6	7.6	7.6	7.6
82.5°	5.7	5.7	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)