

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: P1307299

Luminaire Tested: P3SQAS24R159027D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307299
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R159027D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

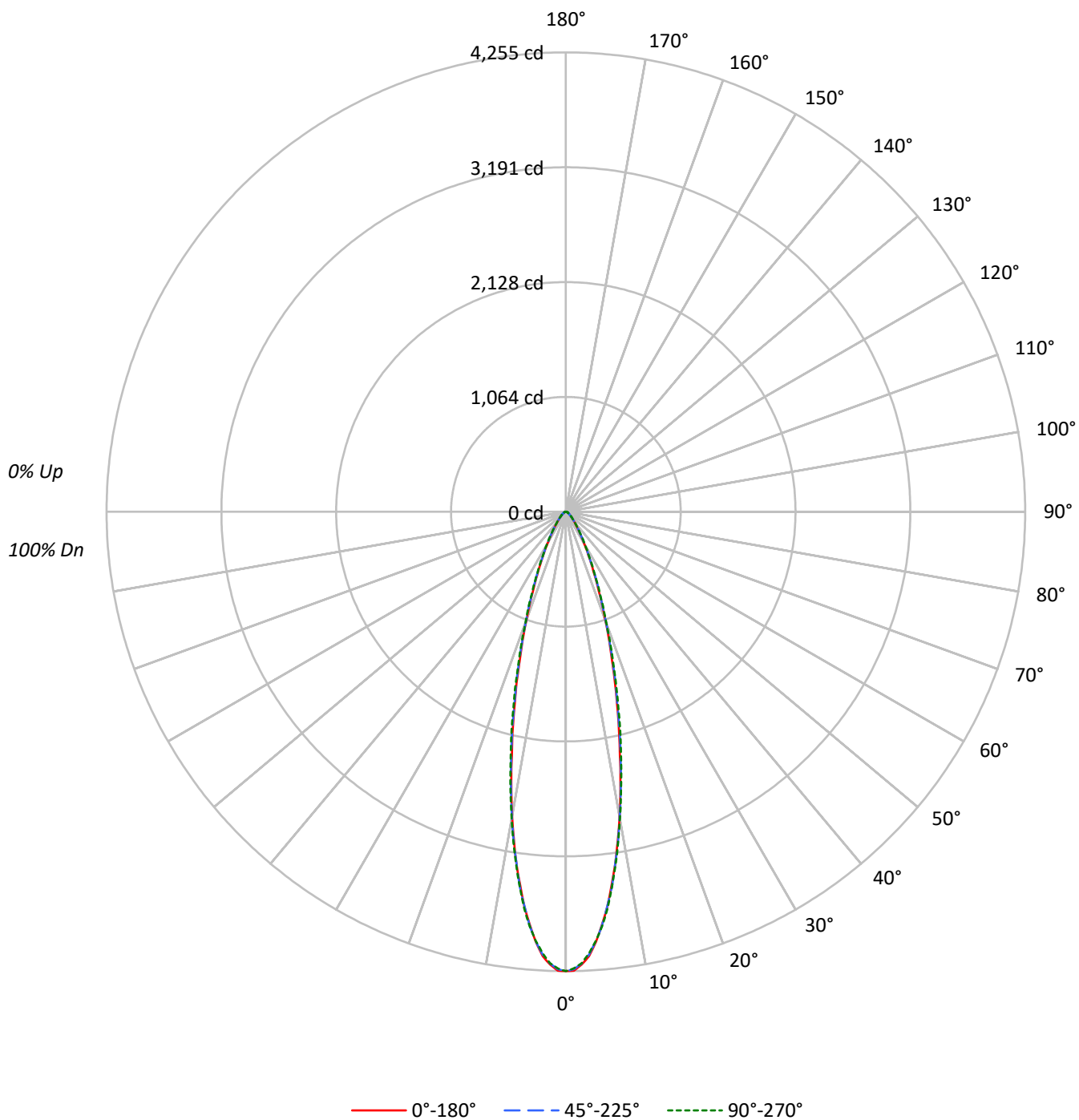
Lumens per Lamp: N/A
Luminaire Lumens: 1407.0 lumens
Efficiency: N/A
Efficacy: 48.9 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1307299

CATALOG NUMBER: P3SQAS24R159027D010 E3SQPHL1MW

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	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		97	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86
5	96	88	83	79	94	87	83	79	86	82	78		84	80	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	80	75	71	79	74	71		77	74	71		76
8	85	77	72	68	84	76	72	68	75	71	68		74	70	68		74
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	732756	732756	732756
5°	663706	664968	665901
10°	501100	502359	504877
15°	325019	328568	335004
20°	195683	198011	200650
25°	114320	116733	118444
30°	67177	69344	70418
35°	41397	42932	43689
40°	27203	28035	28440
45°	18925	19363	19801
50°	14040	14522	15004
55°	11380	11920	11920
60°	9954	9954	9954
65°	8843	8843	8843
70°	7301	8208	8208
75°	7187	7187	7187
80°	5356	7141	7141
85°	3557	3557	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 19801 cd/sqm

TEST NUMBER: P1307299

CATALOG NUMBER: P3SQAS24R159027D010 E3SQPHL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.1	23.8
10°-20°	512.4	36.4
20°-30°	291.3	20.7
30°-40°	132.9	9.4
40°-50°	63.7	4.5
50°-60°	35.6	2.5
60°-70°	21.8	1.6
70°-80°	11.6	0.8
80°-90°	2.5	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°	1138.8	80.9
0°-40°	1271.7	90.4
0°-60°	1371.1	97.4
0°-90°	1407.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1407.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4255	4255	4255	4255	4255	
5°	3839	3837	3846	3846	3852	335
15°	1823	1832	1843	1868	1879	506
25°	602	602	614	620	623	285
35°	197	200	204	208	208	129
45°	78	78	80	81	81	62
55°	38	38	40	40	40	35
65°	22	22	22	22	22	21
75°	11	11	11	11	11	11
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4254.7	4254.7	4254.7	4254.7	4254.7
1°	4251.1	4240.2	4236.6	4234.8	4231.2
2°	4196.9	4187.8	4186.0	4186.0	4184.2
3°	4121.0	4104.7	4106.5	4101.1	4095.7
4°	3992.7	3985.5	3989.1	3992.7	3985.5
5°	3839.1	3837.3	3846.4	3846.4	3851.8
6°	3680.2	3678.4	3672.9	3687.4	3694.6
7°	3477.8	3488.7	3503.1	3495.9	3501.3
8°	3293.5	3280.9	3286.3	3304.4	3306.2
9°	3076.7	3067.7	3091.2	3098.4	3100.2
10°	2865.4	2874.4	2872.6	2897.9	2887.0
12.5°	2314.3	2328.8	2345.0	2355.9	2366.7
15°	1822.9	1831.9	1842.8	1868.1	1878.9
17.5°	1402.0	1412.8	1423.6	1445.3	1448.9
20°	1067.7	1073.2	1080.4	1100.3	1094.8
22.5°	798.5	807.6	814.8	823.8	829.3
25°	601.6	601.6	614.3	619.7	623.3
27.5°	448.1	451.7	460.7	467.9	466.1
30°	337.8	343.3	348.7	352.3	354.1
32.5°	260.2	260.2	265.6	271.0	272.8
35°	196.9	200.5	204.2	207.8	207.8
37.5°	153.6	155.4	159.0	160.8	160.8
40°	121.0	121.0	124.7	126.5	126.5
42.5°	95.8	97.6	99.4	101.2	101.2
45°	77.7	77.7	79.5	81.3	81.3
47.5°	63.2	63.2	65.0	66.8	66.8
50°	52.4	54.2	54.2	56.0	56.0
52.5°	45.2	45.2	45.2	47.0	47.0
55°	37.9	37.9	39.7	39.7	39.7
57.5°	32.5	32.5	32.5	34.3	34.3
60°	28.9	28.9	28.9	28.9	28.9
62.5°	25.3	25.3	25.3	25.3	25.3
65°	21.7	21.7	21.7	21.7	21.7
67.5°	18.1	18.1	18.1	19.9	19.9
70°	14.5	16.3	16.3	16.3	16.3
72.5°	12.6	12.6	12.6	12.6	12.6
75°	10.8	10.8	10.8	10.8	10.8
77.5°	9.0	9.0	9.0	9.0	9.0
80°	5.4	7.2	7.2	7.2	7.2
82.5°	3.6	3.6	3.6	3.6	3.6
85°	1.8	1.8	1.8	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	1.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)