

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: P1316783

Luminaire Tested: P3SQAS05R159830DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R159830DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

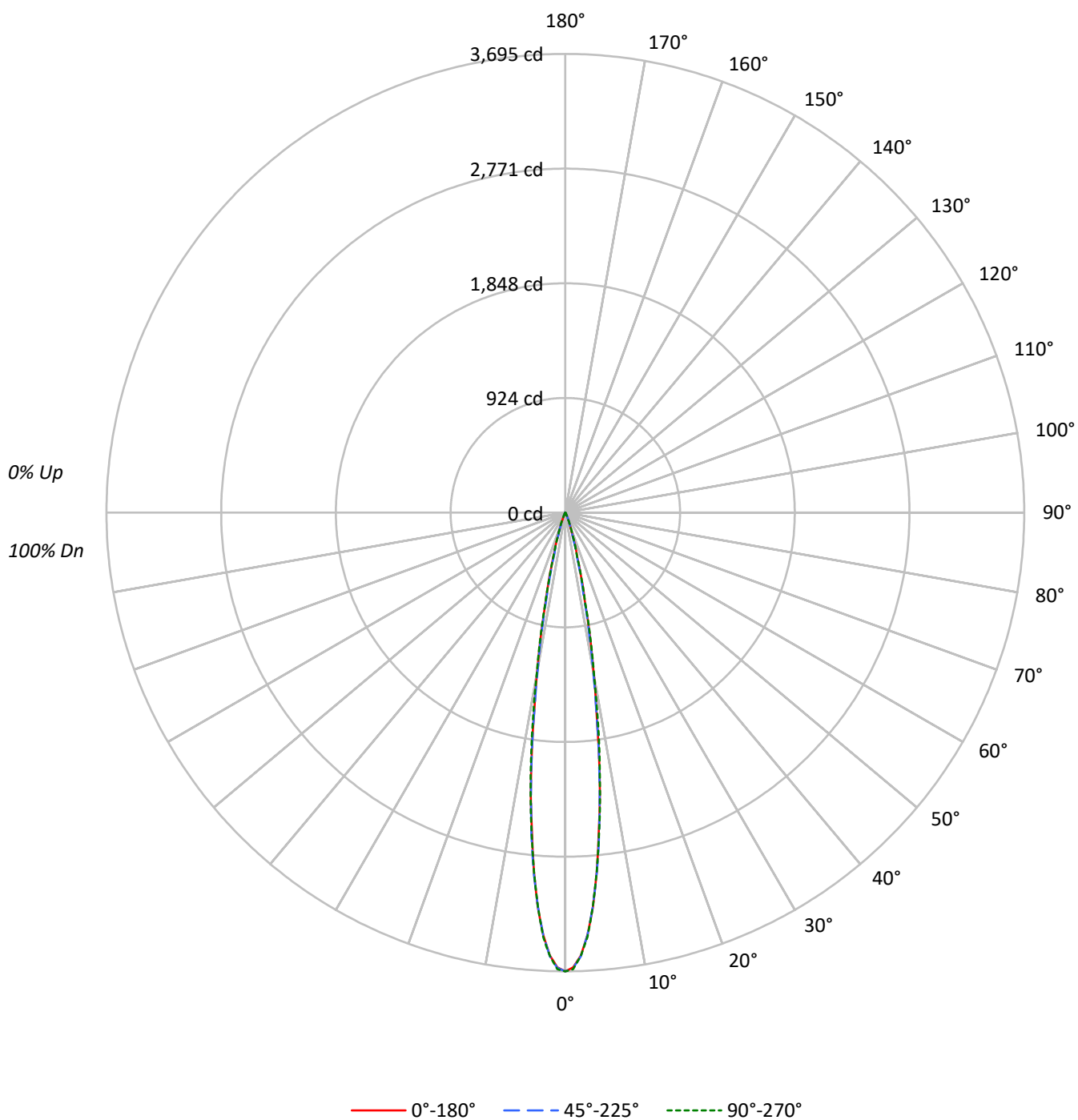
Lumens per Lamp: N/A
Luminaire Lumens: 370.0 lumens
Efficiency: N/A
Efficacy: 51.4 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	98	98	98
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	99	98	97	97	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	95	95	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	93	93	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	92	92	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	89	89	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88	88	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	636397	636397	636397
5°	501993	503324	501544
10°	229669	223636	234513
15°	68288	60960	66897
20°	20270	19665	21297
25°	5758	7449	6689
30°	2068	2207	1989
35°	778	694	694
40°	337	157	247
45°	170	97	170
50°	107	0	107
55°	120	0	120
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 178 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.3	60.3
10°-20°	123.9	33.5
20°-30°	19.7	5.3
30°-40°	2.6	0.7
40°-50°	0.4	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	366.9	99.2
0°-40°	369.5	99.9
0°-60°	370.0	100.0
0°-90°	370.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	370.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3695	3695	3695	3695	3695	
5°	2904	2928	2911	2899	2901	223
15°	383	378	342	363	375	126
25°	30	34	39	39	35	19
35°	4	4	3	4	3	3
45°	1	0	0	0	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3695.2	3695.2	3695.2	3695.2	3695.2	3695.2	3695.2	3695.2	3695.2	3695.2	3695.2
1°	3663.4	3667.4	3672.6	3667.8	3663.4	3667.4	3661.9	3662.6	3658.2	3667.8	3678.5
2°	3570.1	3575.3	3572.3	3565.7	3576.0	3576.8	3565.3	3559.7	3559.0	3568.6	3572.3
3°	3405.1	3416.9	3417.3	3415.1	3411.7	3405.1	3393.2	3401.0	3390.3	3383.6	3421.3
4°	3185.6	3196.0	3208.2	3200.1	3175.6	3177.9	3185.6	3159.4	3160.8	3176.0	3177.1
5°	2903.7	2935.1	2936.6	2925.1	2905.9	2911.4	2905.9	2898.5	2901.1	2910.7	2901.1
6°	2571.7	2607.3	2581.0	2606.2	2600.6	2607.6	2609.5	2601.7	2607.3	2601.4	2599.5
7°	2285.0	2258.0	2261.7	2251.3	2262.4	2269.8	2274.2	2260.9	2271.6	2288.7	2293.5
8°	1929.4	1921.6	1913.8	1932.3	1927.1	1936.0	1941.6	1956.4	1955.6	1960.8	1977.8
9°	1590.8	1602.3	1609.3	1593.0	1607.1	1579.7	1589.3	1628.9	1618.5	1628.9	1659.2
10°	1313.3	1322.5	1312.1	1311.8	1297.0	1278.8	1277.7	1292.5	1323.6	1348.0	1341.0
12.5°	724.5	732.7	733.8	733.0	706.4	676.4	682.0	693.8	713.1	721.2	734.5
15°	383.0	382.6	386.7	375.2	361.2	341.9	343.4	359.7	374.1	377.8	375.2
17.5°	196.5	197.2	200.2	197.2	182.4	184.3	188.3	190.2	198.7	202.0	200.2
20°	110.6	111.0	110.6	111.8	105.8	107.3	112.5	112.9	114.7	116.6	116.2
22.5°	63.3	63.6	65.9	65.1	63.6	65.5	66.6	68.5	69.2	68.5	70.7
25°	30.3	30.7	30.7	35.2	37.4	39.2	40.0	39.2	38.5	35.5	35.2
27.5°	17.4	17.4	18.1	18.5	19.2	22.6	22.2	18.5	15.5	15.5	15.9
30°	10.4	10.0	10.0	10.4	10.7	11.1	10.4	10.0	10.0	10.4	10.0
32.5°	6.3	6.3	6.3	5.9	5.9	5.6	5.6	6.3	6.3	6.3	6.3
35°	3.7	3.7	3.7	3.7	3.3	3.3	3.3	3.7	3.7	3.3	3.3
37.5°	2.2	2.2	2.2	1.9	1.9	1.5	1.9	1.9	1.9	1.9	1.9
40°	1.5	1.5	1.1	1.1	0.7	0.7	0.7	1.1	1.1	1.1	1.1
42.5°	1.1	1.1	0.7	0.7	0.4	0.4	0.4	0.7	0.7	0.7	0.7
45°	0.7	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7
47.5°	0.7	0.7	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.4	0.4
50°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
52.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)