

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: P1307295

Luminaire Tested: P3SQAS24R159027D010 E3SQPH1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307295
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: P3SQAS24R159027D010 E3SQPH1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

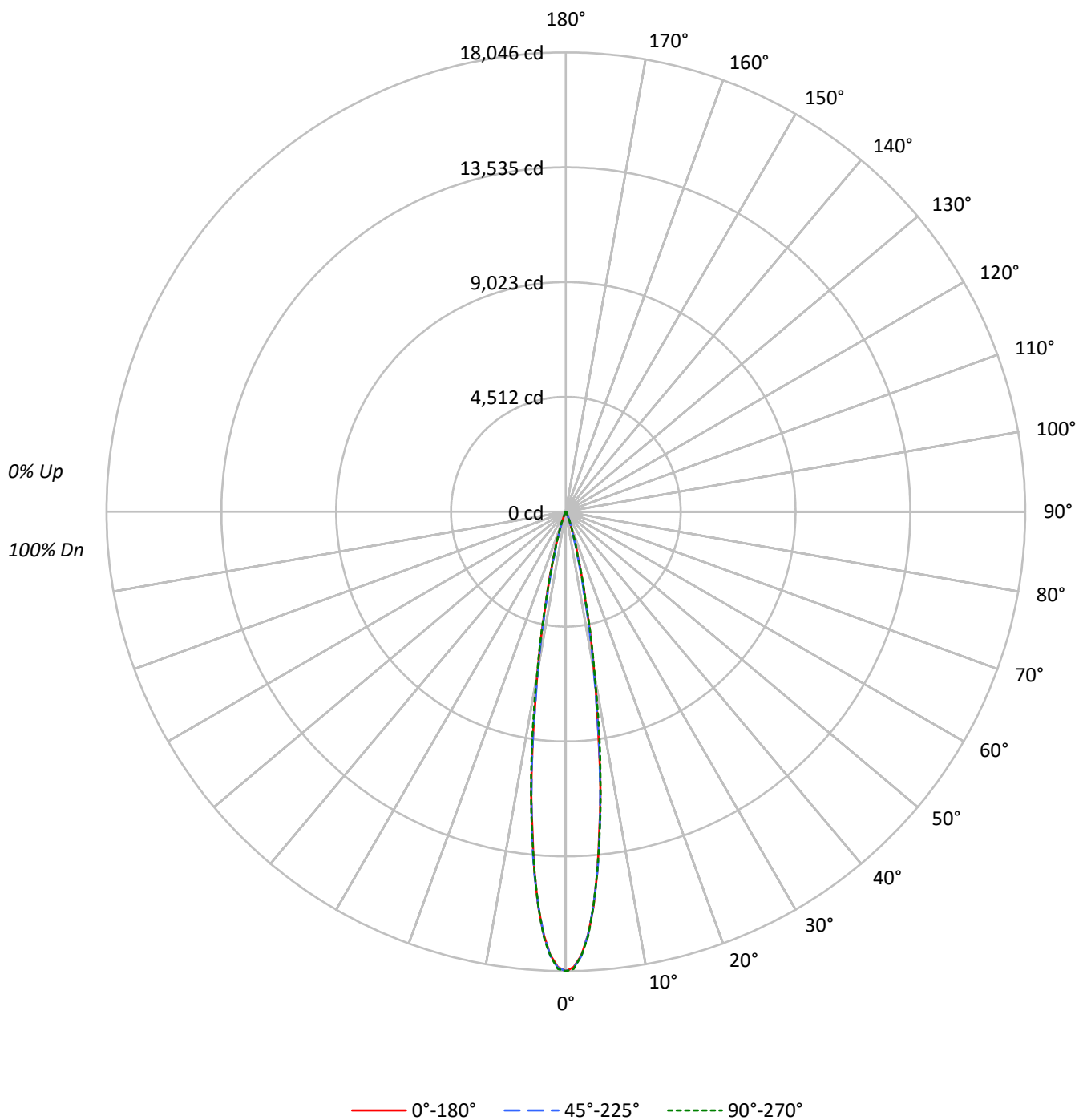
Lumens per Lamp: N/A
Luminaire Lumens: 1807.0 lumens
Efficiency: N/A
Efficacy: 62.7 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1307295

CATALOG NUMBER: P3SQAS24R159027D010 E3SQPH1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1307295

CATALOG NUMBER: P3SQAS24R159027D010 E3SQPH1MMS

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	116	114	112	111	113	112	110	109	108	107	106		104	104	103		101
2	113	110	107	105	111	108	106	104	105	104	102		102	101	100		100
3	110	107	104	101	109	105	103	100	103	101	99		101	99	97		99
4	108	104	100	98	106	103	100	98	101	98	96		99	97	95		97
5	106	101	98	95	104	100	97	95	99	96	94		97	95	94		96
6	104	99	96	93	103	98	95	93	97	94	92		96	94	92		95
7	102	97	94	91	101	96	93	91	95	93	91		94	92	90		94
8	100	95	92	90	99	95	92	90	94	91	89		93	91	89		92
9	98	93	90	88	98	93	90	88	92	90	88		92	89	88		91
10	97	92	89	87	96	92	89	87	91	88	87		90	88	86		90

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3107999	3107999	3107999
5°	2451601	2458153	2449406
10°	1121624	1092227	1145321
15°	333489	297722	326731
20°	99024	96055	104009
25°	28162	36409	32628
30°	10063	10779	9705
35°	3805	3427	3427
40°	1619	809	1214
45°	877	438	877
50°	482	0	482
55°	540	0	540
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: 918 cd/sqm

TEST NUMBER: P1307295

CATALOG NUMBER: P3SQAS24R159027D010 E3SQPH1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1090.4	60.3
10°-20°	605.3	33.5
20°-30°	96.4	5.3
30°-40°	12.6	0.7
40°-50°	1.9	0.1
50°-60°	0.4	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°	1792.1	99.2
0°-40°	1804.7	99.9
0°-60°	1807.0	100.0
0°-90°	1807.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1807.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18046	18046	18046	18046	18046	
5°	14181	14300	14219	14159	14168	1088
15°	1870	1846	1670	1774	1832	617
25°	148	166	192	191	172	90
35°	18	18	16	18	16	13
45°	4	2	2	2	4	3
55°	2	0	0	0	2	1
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	

TEST NUMBER: P1307295

CATALOG NUMBER: P3SQAS24R159027D010 E3SQPH1MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	18046.4	18046.4	18046.4	18046.4	18046.4	18046.4	18046.4	18046.4	18046.4	18046.4	18046.4
1°	17891.0	17910.9	17936.2	17912.7	17891.0	17910.9	17883.8	17887.4	17865.7	17912.7	17965.1
2°	17435.6	17460.9	17446.5	17413.9	17464.5	17468.1	17412.1	17385.0	17381.4	17428.4	17446.5
3°	16629.6	16687.4	16689.2	16678.4	16662.1	16629.6	16571.8	16609.7	16557.3	16524.8	16709.1
4°	15558.0	15608.6	15668.2	15628.4	15509.2	15520.0	15558.0	15429.6	15436.9	15511.0	15516.4
5°	14180.9	14334.5	14341.7	14285.7	14191.7	14218.8	14191.7	14155.6	14168.2	14215.2	14168.2
6°	12559.9	12733.3	12605.0	12727.9	12700.8	12735.2	12744.2	12706.2	12733.3	12704.4	12695.4
7°	11159.3	11027.4	11045.4	10994.8	11049.1	11085.2	11106.9	11041.8	11094.2	11177.4	11200.9
8°	9422.6	9384.7	9346.7	9437.1	9411.8	9455.1	9482.2	9554.5	9550.9	9576.2	9659.3
9°	7769.0	7825.1	7859.4	7779.9	7848.6	7714.8	7761.8	7955.2	7904.6	7955.2	8103.4
10°	6413.7	6458.8	6408.2	6406.4	6334.1	6245.6	6240.2	6312.5	6464.3	6583.5	6549.2
12.5°	3538.4	3578.2	3583.6	3580.0	3449.9	3303.5	3330.6	3388.5	3482.4	3522.2	3587.2
15°	1870.4	1868.6	1888.5	1832.5	1763.8	1669.8	1677.1	1756.6	1827.1	1845.1	1832.5
17.5°	959.6	963.2	977.7	963.2	890.9	900.0	919.9	928.9	970.5	986.7	977.7
20°	540.3	542.2	540.3	545.8	516.9	524.1	549.4	551.2	560.2	569.3	567.5
22.5°	309.0	310.8	321.7	318.1	310.8	319.9	325.3	334.3	337.9	334.3	345.2
25°	148.2	150.0	150.0	171.7	182.5	191.6	195.2	191.6	187.9	173.5	171.7
27.5°	84.9	84.9	88.6	90.4	94.0	110.2	108.4	90.4	75.9	75.9	77.7
30°	50.6	48.8	48.8	50.6	52.4	54.2	50.6	48.8	48.8	50.6	48.8
32.5°	30.7	30.7	30.7	28.9	28.9	27.1	27.1	30.7	30.7	30.7	30.7
35°	18.1	18.1	18.1	18.1	16.3	16.3	16.3	18.1	18.1	16.3	16.3
37.5°	10.8	10.8	10.8	9.0	9.0	7.2	9.0	9.0	9.0	9.0	9.0
40°	7.2	7.2	5.4	5.4	3.6	3.6	3.6	5.4	5.4	5.4	5.4
42.5°	5.4	5.4	3.6	3.6	1.8	1.8	1.8	3.6	3.6	3.6	3.6
45°	3.6	3.6	3.6	1.8	1.8	1.8	1.8	1.8	1.8	3.6	3.6
47.5°	3.6	3.6	1.8	1.8	0.0	0.0	0.0	1.8	1.8	1.8	1.8
50°	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8
52.5°	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8
55°	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
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	1.8	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)