

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: P1310706

Luminaire Tested: P3SQAS24R359040D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310706
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R359040D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

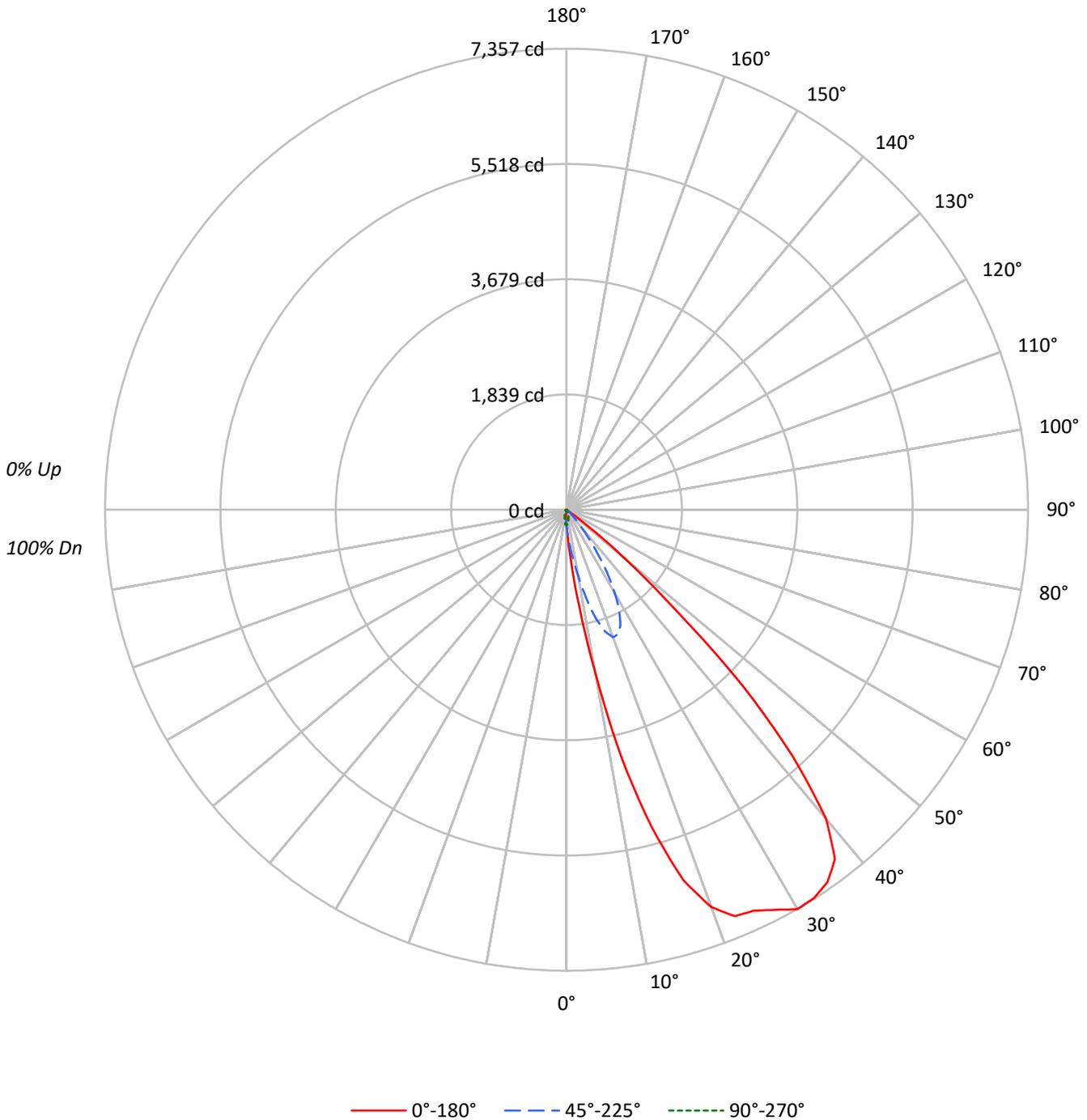
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2314.0 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
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: P1310706
CATALOG NUMBER: P3SQAS24R359040D010 E3SQCA301MW

Luminous Intensity Polar Plot





TEST NUMBER: P1310706
 CATALOG NUMBER: P3SQAS24R359040D010 E3SQCA301MW

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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	89	87	84	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	82	79	76	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	76	72	69	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	55	50	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	51	46	42	41
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	47	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	41850	41850	41850	41850	41850
5°	142557	92647	39140	16527	12205
10°	458796	187803	30884	6173	3987
15°	934781	318512	21859	2229	1480
20°	1236120	396682	14094	770	770
25°	1341265	385640	7886	399	798
30°	1463134	307327	3301	418	835
35°	1524592	191281	883	442	883
40°	1446744	83588	472	944	1394
45°	965811	33392	511	1510	2533
50°	323902	5573	1125	2224	3349
55°	18076	631	1261	3123	4354
60°	1447	723	2136	3582	4994
65°	1712	856	2527	4238	5909
70°	1057	1057	3122	5237	6294
75°	1397	1397	4126	5523	6920
80°	0	2083	6149	6149	6149
85°	0	4150	12251	4150	8299

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 965811 cd/sqm



TEST NUMBER: P1310706

CATALOG NUMBER: P3SQAS24R359040D010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.2	1.8
10°-20°	332.3	14.4
20°-30°	701.5	30.3
30°-40°	795.9	34.4
40°-50°	391.7	16.9
50°-60°	34.0	1.5
60°-70°	6.9	0.3
70°-80°	6.4	0.3
80°-90°	3.2	0.1
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°	1076.0	46.5
0°-40°	1871.9	80.9
0°-60°	2297.5	99.3
0°-90°	2314.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2314.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	243	243	243	243	243	
5°	825	536	226	96	71	136
15°	5243	1786	123	12	8	1491
25°	7058	2029	42	2	4	3284
35°	7252	910	4	2	4	4469
45°	3965	137	2	6	10	2930
55°	60	2	4	10	14	236
65°	4	2	6	10	14	3
75°	2	2	6	8	10	1
85°	0	2	6	2	4	0
90°	0	0	0	0	0	



TEST NUMBER: P1310706
 CATALOG NUMBER: P3SQAS24R359040D010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	243.0	243.0	243.0	243.0	243.0	243.0	243.0	243.0	243.0	243.0	243.0
2.5°	421.7	432.1	427.9	425.8	423.7	415.4	396.7	394.7	376.0	363.5	301.2
5°	824.6	808.0	812.2	789.3	760.3	718.7	691.7	633.5	585.8	535.9	351.0
7.5°	1553.7	1530.9	1487.3	1420.8	1352.3	1262.9	1127.9	1019.9	895.3	776.9	390.5
10°	2623.5	2611.0	2554.9	2384.6	2235.1	1996.2	1771.8	1535.0	1302.4	1073.9	417.5
12.5°	4052.6	3967.4	3865.7	3639.2	3344.3	3045.2	2602.7	2193.5	1821.7	1439.5	419.6
15°	5242.8	5188.8	5045.5	4750.5	4395.3	3963.3	3437.8	2887.3	2326.5	1786.4	398.8
17.5°	6200.4	6117.3	5932.5	5643.7	5234.5	4673.7	4058.8	3387.9	2704.5	2033.6	363.5
20°	6744.6	6701.0	6559.8	6271.0	5824.4	5211.7	4511.7	3730.6	2941.3	2164.4	317.8
22.5°	7018.8	6987.7	6883.8	6653.2	6235.7	5618.8	4817.0	3909.3	3009.9	2149.9	270.0
25°	7058.3	7050.0	6960.7	6786.2	6437.2	5826.5	4949.9	3942.5	2953.8	2029.4	224.3
27.5°	7195.4	7166.3	7060.4	6885.9	6534.8	5861.8	4904.3	3828.3	2773.1	1817.5	186.9
30°	7357.4	7336.6	7230.7	7050.0	6634.6	5828.6	4742.2	3574.8	2484.3	1545.4	139.2
32.5°	7345.0	7336.6	7247.3	7056.2	6563.9	5633.3	4453.5	3194.7	2091.7	1219.3	87.2
35°	7251.5	7222.4	7110.2	6815.3	6161.0	5130.7	3905.1	2679.6	1655.5	909.8	56.1
37.5°	7027.1	6964.8	6775.8	6275.2	5440.2	4355.9	3180.2	2068.9	1171.5	608.6	35.3
40°	6435.1	6356.2	5976.1	5371.6	4497.1	3431.5	2365.9	1422.9	772.7	371.8	14.5
42.5°	5338.4	5178.4	4798.3	4177.2	3356.7	2426.2	1553.7	922.3	454.9	224.3	4.2
45°	3965.4	3842.8	3444.0	2881.1	2199.7	1555.8	941.0	498.5	251.3	137.1	2.1
47.5°	2309.8	2235.1	2029.4	1659.7	1215.2	816.3	481.9	268.0	147.5	66.5	2.1
50°	1208.9	1115.5	959.7	727.0	535.9	376.0	234.7	143.3	72.7	20.8	2.1
52.5°	423.7	417.5	380.1	286.7	232.6	168.3	114.2	62.3	20.8	4.2	2.1
55°	60.2	60.2	56.1	62.3	66.5	60.2	39.5	16.6	4.2	2.1	2.1
57.5°	4.2	4.2	4.2	6.2	8.3	8.3	6.2	2.1	2.1	2.1	4.2
60°	4.2	4.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.2
62.5°	4.2	4.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.2
65°	4.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.2
67.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.2
70°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	6.2
72.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	6.2
75°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	6.2
77.5°	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	6.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	4.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	4.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	4.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1310706

CATALOG NUMBER: P3SQAS24R359040D010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	243.0	243.0	243.0	243.0	243.0
2.5°	241.0	193.2	153.7	135.0	128.8
5°	226.4	145.4	95.6	74.8	70.6
7.5°	201.5	103.9	58.2	41.5	39.5
10°	176.6	74.8	35.3	24.9	22.8
12.5°	147.5	51.9	22.8	14.5	12.5
15°	122.6	35.3	12.5	10.4	8.3
17.5°	97.6	22.8	8.3	6.2	8.3
20°	76.9	14.5	4.2	4.2	4.2
22.5°	58.2	8.3	4.2	4.2	4.2
25°	41.5	4.2	2.1	2.1	4.2
27.5°	29.1	2.1	2.1	2.1	4.2
30°	16.6	2.1	2.1	2.1	4.2
32.5°	8.3	2.1	2.1	4.2	4.2
35°	4.2	2.1	2.1	4.2	4.2
37.5°	2.1	2.1	2.1	4.2	6.2
40°	2.1	2.1	4.2	6.2	6.2
42.5°	2.1	2.1	4.2	6.2	8.3
45°	2.1	4.2	6.2	8.3	10.4
47.5°	4.2	4.2	8.3	10.4	12.5
50°	4.2	6.2	8.3	12.5	12.5
52.5°	4.2	6.2	10.4	12.5	14.5
55°	4.2	8.3	10.4	14.5	14.5
57.5°	6.2	8.3	10.4	14.5	14.5
60°	6.2	8.3	10.4	14.5	14.5
62.5°	6.2	8.3	10.4	14.5	14.5
65°	6.2	8.3	10.4	14.5	14.5
67.5°	6.2	8.3	10.4	12.5	14.5
70°	6.2	8.3	10.4	12.5	12.5
72.5°	8.3	8.3	10.4	12.5	12.5
75°	6.2	8.3	8.3	10.4	10.4
77.5°	6.2	6.2	6.2	8.3	8.3
80°	6.2	6.2	6.2	6.2	6.2
82.5°	6.2	4.2	4.2	6.2	6.2
85°	6.2	4.2	2.1	4.2	4.2
87.5°	4.2	4.2	2.1	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)