

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: P1311783

Luminaire Tested: P3SQAS24R359050D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311783
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: P3SQAS24R359050D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

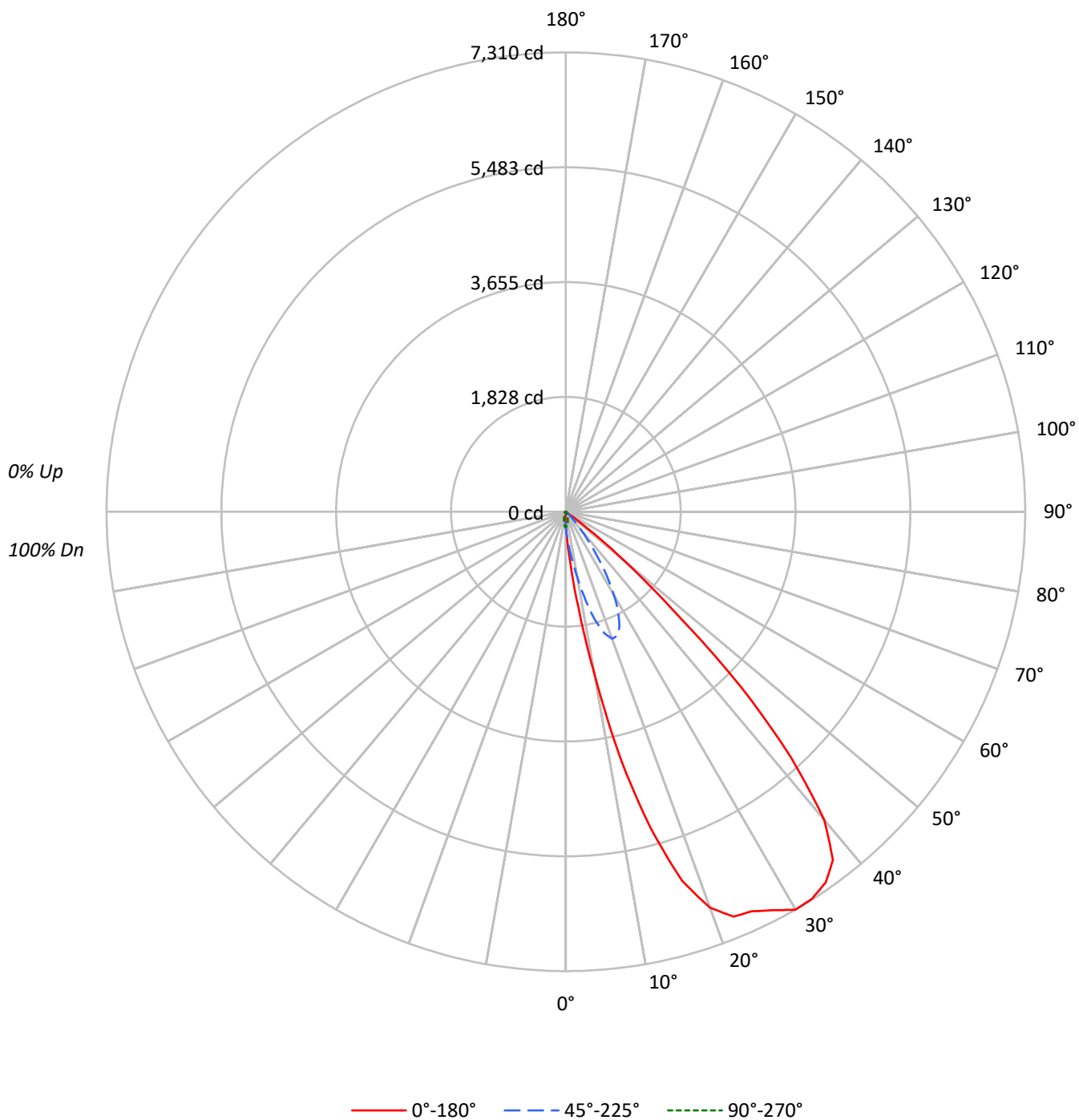
Lumens per Lamp: N/A
Luminaire Lumens: 2299.0 lumens
Efficiency: N/A
Efficacy: 79.8 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1311783

CATALOG NUMBER: P3SQAS24R359050D010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1311783

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	41592	41592	41592	41592	41592
5°	141641	92042	38881	16406	12136
10°	455823	186579	30674	6138	3970
15°	928719	316443	21717	2211	1480
20°	1228111	394116	14002	751	751
25°	1332562	383151	7848	399	779
30°	1453648	305338	3281	418	815
35°	1514710	190040	862	442	862
40°	1437369	83049	472	922	1394
45°	959552	33173	511	1510	2509
50°	321812	5519	1099	2224	3322
55°	17956	631	1231	3093	4324
60°	1412	723	2136	3548	4960
65°	1671	856	2527	4197	5868
70°	1057	1057	3122	5187	6244
75°	1397	1397	4126	5523	6854
80°	0	2083	6149	6149	6149
85°	0	4150	12251	4150	8102

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 959552 cd/sqm

TEST NUMBER: P1311783

CATALOG NUMBER: P3SQAS24R359050D010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.9	1.8
10°-20°	330.2	14.4
20°-30°	696.9	30.3
30°-40°	790.7	34.4
40°-50°	389.2	16.9
50°-60°	33.7	1.5
60°-70°	6.9	0.3
70°-80°	6.4	0.3
80°-90°	3.1	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°	1069.0	46.5
0°-40°	1859.7	80.9
0°-60°	2282.6	99.3
0°-90°	2299.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2299.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	242	242	242	242	242	
5°	819	532	225	95	70	135
15°	5209	1775	122	12	8	1481
25°	7012	2016	41	2	4	3263
35°	7204	904	4	2	4	4440
45°	3940	136	2	6	10	2911
55°	60	2	4	10	14	235
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: P1311783

CATALOG NUMBER: P3SQAS24R359050D010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5
2.5°	418.9	429.3	425.1	423.1	421.0	412.7	394.2	392.1	373.5	361.2	299.2
5°	819.3	802.8	806.9	784.2	755.3	714.0	687.2	629.4	582.0	532.4	348.8
7.5°	1543.7	1521.0	1477.6	1411.6	1343.5	1254.7	1120.6	1013.3	889.5	771.8	388.0
10°	2606.5	2594.1	2538.4	2369.2	2220.6	1983.2	1760.4	1525.1	1294.0	1066.9	414.8
12.5°	4026.3	3941.7	3840.6	3615.6	3322.6	3025.4	2585.8	2179.3	1809.9	1430.2	416.9
15°	5208.8	5155.2	5012.8	4719.7	4366.8	3937.6	3415.5	2868.6	2311.4	1774.8	396.2
17.5°	6160.2	6077.7	5894.0	5607.1	5200.6	4643.4	4032.5	3365.9	2687.0	2020.4	361.2
20°	6700.9	6657.6	6517.2	6230.4	5786.7	5177.9	4482.4	3706.5	2922.2	2150.4	315.8
22.5°	6973.3	6942.4	6839.2	6610.1	6195.3	5582.4	4785.8	3883.9	2990.3	2136.0	268.3
25°	7012.5	7004.3	6915.5	6742.2	6395.5	5788.8	4917.9	3917.0	2934.6	2016.3	222.9
27.5°	7148.8	7119.9	7014.6	6841.3	6492.5	5823.8	4872.5	3803.4	2755.1	1805.8	185.7
30°	7309.7	7289.1	7183.8	7004.3	6591.5	5790.8	4711.5	3551.7	2468.2	1535.4	138.3
32.5°	7297.3	7289.1	7200.3	7010.5	6521.4	5596.8	4424.6	3174.0	2078.2	1211.4	86.7
35°	7204.5	7175.6	7064.1	6771.1	6121.0	5097.4	3879.8	2662.2	1644.8	903.9	55.7
37.5°	6981.6	6919.7	6731.9	6234.5	5404.9	4327.6	3159.6	2055.5	1163.9	604.7	35.1
40°	6393.4	6315.0	5937.3	5336.8	4468.0	3409.3	2350.6	1413.7	767.7	369.4	14.4
42.5°	5303.8	5144.9	4767.2	4150.2	3335.0	2410.4	1543.7	916.3	452.0	222.9	4.1
45°	3939.7	3817.9	3421.7	2862.4	2185.5	1545.7	934.9	495.3	249.7	136.2	2.1
47.5°	2294.9	2220.6	2016.3	1648.9	1207.3	811.0	478.8	266.2	146.5	66.0	2.1
50°	1201.1	1108.2	953.4	722.3	532.4	373.5	233.2	142.4	72.2	20.6	2.1
52.5°	421.0	414.8	377.7	284.8	231.1	167.2	113.5	61.9	20.6	4.1	2.1
55°	59.8	59.8	55.7	61.9	66.0	59.8	39.2	16.5	4.1	2.1	2.1
57.5°	4.1	4.1	4.1	6.2	8.3	8.3	6.2	2.1	2.1	2.1	4.1
60°	4.1	4.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1
62.5°	4.1	4.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1
65°	4.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1
67.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1
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	4.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	4.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	4.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	4.1
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: P1311783

CATALOG NUMBER: P3SQAS24R359050D010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	241.5	241.5	241.5	241.5	241.5
2.5°	239.4	191.9	152.7	134.1	128.0
5°	224.9	144.5	94.9	74.3	70.2
7.5°	200.2	103.2	57.8	41.3	39.2
10°	175.4	74.3	35.1	24.8	22.7
12.5°	146.5	51.6	22.7	14.4	12.4
15°	121.8	35.1	12.4	10.3	8.3
17.5°	97.0	22.7	8.3	6.2	8.3
20°	76.4	14.4	4.1	4.1	4.1
22.5°	57.8	8.3	4.1	4.1	4.1
25°	41.3	4.1	2.1	2.1	4.1
27.5°	28.9	2.1	2.1	2.1	4.1
30°	16.5	2.1	2.1	2.1	4.1
32.5°	8.3	2.1	2.1	4.1	4.1
35°	4.1	2.1	2.1	4.1	4.1
37.5°	2.1	2.1	2.1	4.1	6.2
40°	2.1	2.1	4.1	6.2	6.2
42.5°	2.1	2.1	4.1	6.2	8.3
45°	2.1	4.1	6.2	8.3	10.3
47.5°	4.1	4.1	8.3	10.3	12.4
50°	4.1	6.2	8.3	12.4	12.4
52.5°	4.1	6.2	10.3	12.4	14.4
55°	4.1	8.3	10.3	14.4	14.4
57.5°	6.2	8.3	10.3	14.4	14.4
60°	6.2	8.3	10.3	14.4	14.4
62.5°	6.2	8.3	10.3	14.4	14.4
65°	6.2	8.3	10.3	14.4	14.4
67.5°	6.2	8.3	10.3	12.4	14.4
70°	6.2	8.3	10.3	12.4	12.4
72.5°	8.3	8.3	10.3	12.4	12.4
75°	6.2	8.3	8.3	10.3	10.3
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	4.1	4.1	6.2	6.2
85°	6.2	4.1	2.1	4.1	4.1
87.5°	4.1	4.1	2.1	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)