

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: P1309588

Luminaire Tested: P3SQAS24R359035D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309588
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: P3SQAS24R359035D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

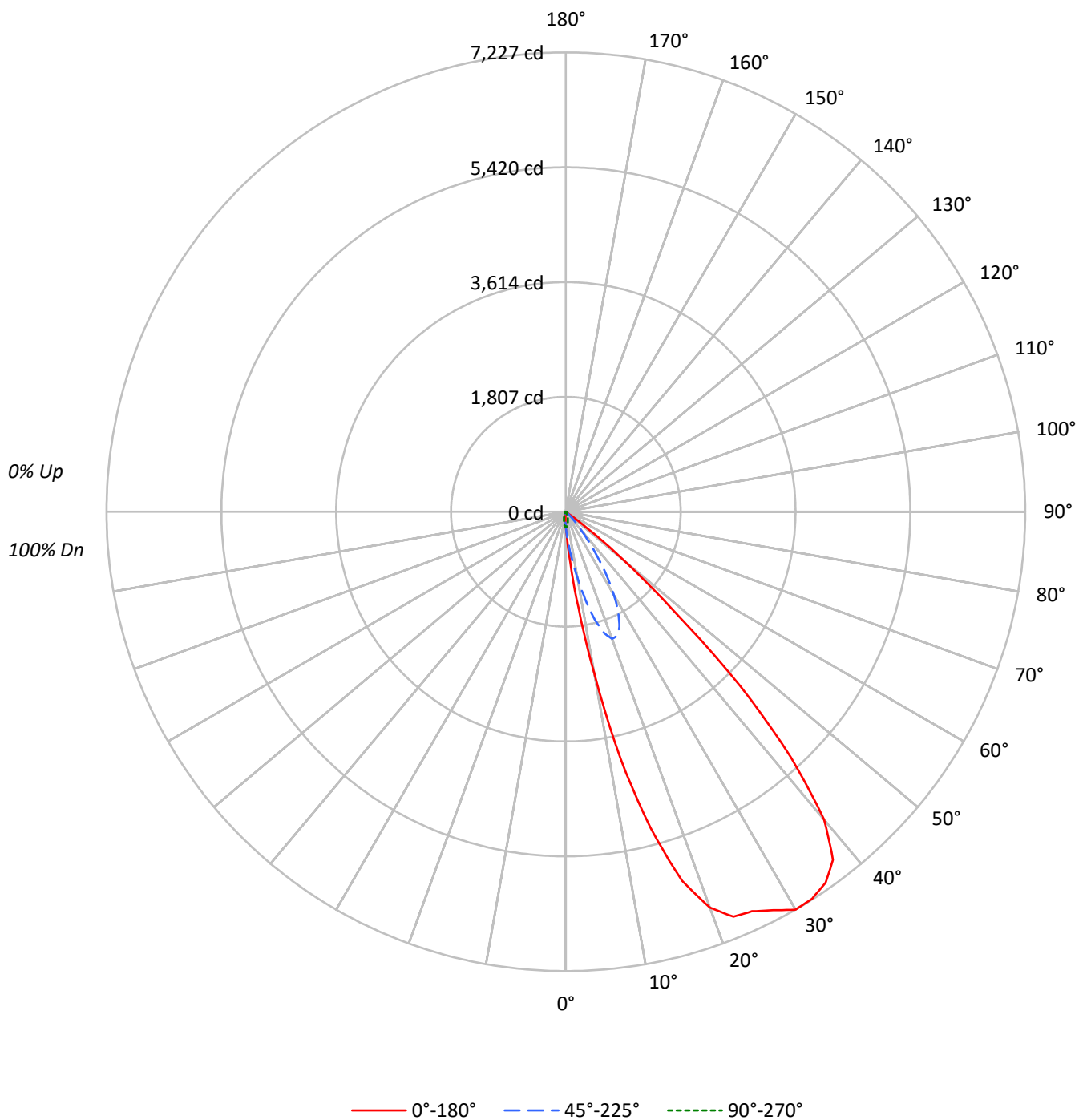
Lumens per Lamp: N/A
Luminaire Lumens: 2273.0 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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		
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°	41110	41110	41110	41110	41110
5°	140033	91004	38449	16233	11998
10°	450664	184480	30324	6068	3917
15°	918217	312859	21467	2175	1462
20°	1214219	389662	13837	751	751
25°	1317493	378818	7753	380	779
30°	1437221	301878	3242	398	815
35°	1497575	187896	862	420	862
40°	1421114	82105	450	922	1371
45°	948689	32807	487	1486	2484
50°	318168	5466	1099	2197	3269
55°	17775	601	1231	3063	4294
60°	1412	689	2101	3513	4926
65°	1671	815	2486	4157	5827
70°	1007	1007	3072	5136	6143
75°	1331	1331	4059	5456	6787
80°	0	1984	6050	6050	6050
85°	0	3952	12054	3952	8102

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 948689 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.4	1.8
10°-20°	326.4	14.4
20°-30°	689.0	30.3
30°-40°	781.8	34.4
40°-50°	384.8	16.9
50°-60°	33.4	1.5
60°-70°	6.8	0.3
70°-80°	6.3	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°	1056.9	46.5
0°-40°	1838.7	80.9
0°-60°	2256.8	99.3
0°-90°	2273.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2273.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	239	239	239	239	239	
5°	810	526	222	94	69	133
15°	5150	1755	120	12	8	1464
25°	6933	1994	41	2	4	3226
35°	7123	894	4	2	4	4390
45°	3895	135	2	6	10	2878
55°	59	2	4	10	14	232
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	238.7	238.7	238.7	238.7	238.7	238.7	238.7	238.7	238.7	238.7	238.7
2.5°	414.2	424.4	420.3	418.3	416.2	408.1	389.7	387.7	369.3	357.1	295.9
5°	810.0	793.7	797.8	775.3	746.8	706.0	679.4	622.3	575.4	526.4	344.8
7.5°	1526.2	1503.8	1460.9	1395.6	1328.3	1240.6	1107.9	1001.8	879.4	763.1	383.6
10°	2577.0	2564.8	2509.7	2342.4	2195.5	1960.8	1740.5	1507.8	1279.3	1054.9	410.1
12.5°	3980.8	3897.1	3797.2	3574.8	3285.0	2991.2	2556.6	2154.6	1789.4	1414.0	412.2
15°	5149.9	5096.9	4956.1	4666.4	4317.5	3893.1	3376.8	2836.1	2285.2	1754.7	391.8
17.5°	6090.6	6008.9	5827.3	5543.7	5141.8	4590.9	3986.9	3327.9	2656.6	1997.5	357.1
20°	6625.1	6582.3	6443.5	6159.9	5721.2	5119.3	4431.7	3664.5	2889.2	2126.1	312.2
22.5°	6894.5	6863.9	6761.8	6535.4	6125.2	5519.2	4731.7	3840.0	2956.5	2111.8	265.3
25°	6933.2	6925.1	6837.3	6665.9	6323.2	5723.3	4862.2	3872.7	2901.4	1993.5	220.4
27.5°	7067.9	7039.3	6935.3	6763.9	6419.1	5758.0	4817.4	3760.4	2723.9	1785.3	183.6
30°	7227.1	7206.6	7102.6	6925.1	6517.0	5725.3	4658.2	3511.5	2440.3	1518.0	136.7
32.5°	7214.8	7206.6	7118.9	6931.2	6447.6	5533.5	4374.6	3138.1	2054.7	1197.7	85.7
35°	7123.0	7094.4	6984.2	6694.5	6051.8	5039.8	3835.9	2632.1	1626.2	893.7	55.1
37.5°	6902.6	6841.4	6655.7	6164.0	5343.8	4278.7	3123.8	2032.2	1150.8	597.8	34.7
40°	6321.1	6243.6	5870.2	5276.4	4417.4	3370.7	2324.0	1397.7	759.0	365.2	14.3
42.5°	5243.8	5086.7	4713.3	4103.2	3297.3	2383.2	1526.2	905.9	446.8	220.4	4.1
45°	3895.1	3774.7	3383.0	2830.0	2160.8	1528.3	924.3	489.7	246.9	134.7	2.0
47.5°	2268.9	2195.5	1993.5	1630.3	1193.6	801.9	473.4	263.2	144.9	65.3	2.0
50°	1187.5	1095.7	942.7	714.1	526.4	369.3	230.6	140.8	71.4	20.4	2.0
52.5°	416.2	410.1	373.4	281.6	228.5	165.3	112.2	61.2	20.4	4.1	2.0
55°	59.2	59.2	55.1	61.2	65.3	59.2	38.8	16.3	4.1	2.0	2.0
57.5°	4.1	4.1	4.1	6.1	8.2	8.2	6.1	2.0	2.0	2.0	4.1
60°	4.1	4.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1
62.5°	4.1	4.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1
65°	4.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1
67.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1
70°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	6.1
72.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	6.1
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	6.1
77.5°	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	6.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	4.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	4.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	4.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	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

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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	238.7	238.7	238.7	238.7	238.7
2.5°	236.7	189.8	151.0	132.6	126.5
5°	222.4	142.8	93.9	73.5	69.4
7.5°	197.9	102.0	57.1	40.8	38.8
10°	173.4	73.5	34.7	24.5	22.4
12.5°	144.9	51.0	22.4	14.3	12.2
15°	120.4	34.7	12.2	10.2	8.2
17.5°	95.9	22.4	8.2	6.1	8.2
20°	75.5	14.3	4.1	4.1	4.1
22.5°	57.1	8.2	4.1	4.1	4.1
25°	40.8	4.1	2.0	2.0	4.1
27.5°	28.6	2.0	2.0	2.0	4.1
30°	16.3	2.0	2.0	2.0	4.1
32.5°	8.2	2.0	2.0	4.1	4.1
35°	4.1	2.0	2.0	4.1	4.1
37.5°	2.0	2.0	2.0	4.1	6.1
40°	2.0	2.0	4.1	6.1	6.1
42.5°	2.0	2.0	4.1	6.1	8.2
45°	2.0	4.1	6.1	8.2	10.2
47.5°	4.1	4.1	8.2	10.2	12.2
50°	4.1	6.1	8.2	12.2	12.2
52.5°	4.1	6.1	10.2	12.2	14.3
55°	4.1	8.2	10.2	14.3	14.3
57.5°	6.1	8.2	10.2	14.3	14.3
60°	6.1	8.2	10.2	14.3	14.3
62.5°	6.1	8.2	10.2	14.3	14.3
65°	6.1	8.2	10.2	14.3	14.3
67.5°	6.1	8.2	10.2	12.2	14.3
70°	6.1	8.2	10.2	12.2	12.2
72.5°	8.2	8.2	10.2	12.2	12.2
75°	6.1	8.2	8.2	10.2	10.2
77.5°	6.1	6.1	6.1	8.2	8.2
80°	6.1	6.1	6.1	6.1	6.1
82.5°	6.1	4.1	4.1	6.1	6.1
85°	6.1	4.1	2.0	4.1	4.1
87.5°	4.1	4.1	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)