

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: P1305763

Luminaire Tested: P3SQAS09R359024DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305763
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: P3SQAS09R359024DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

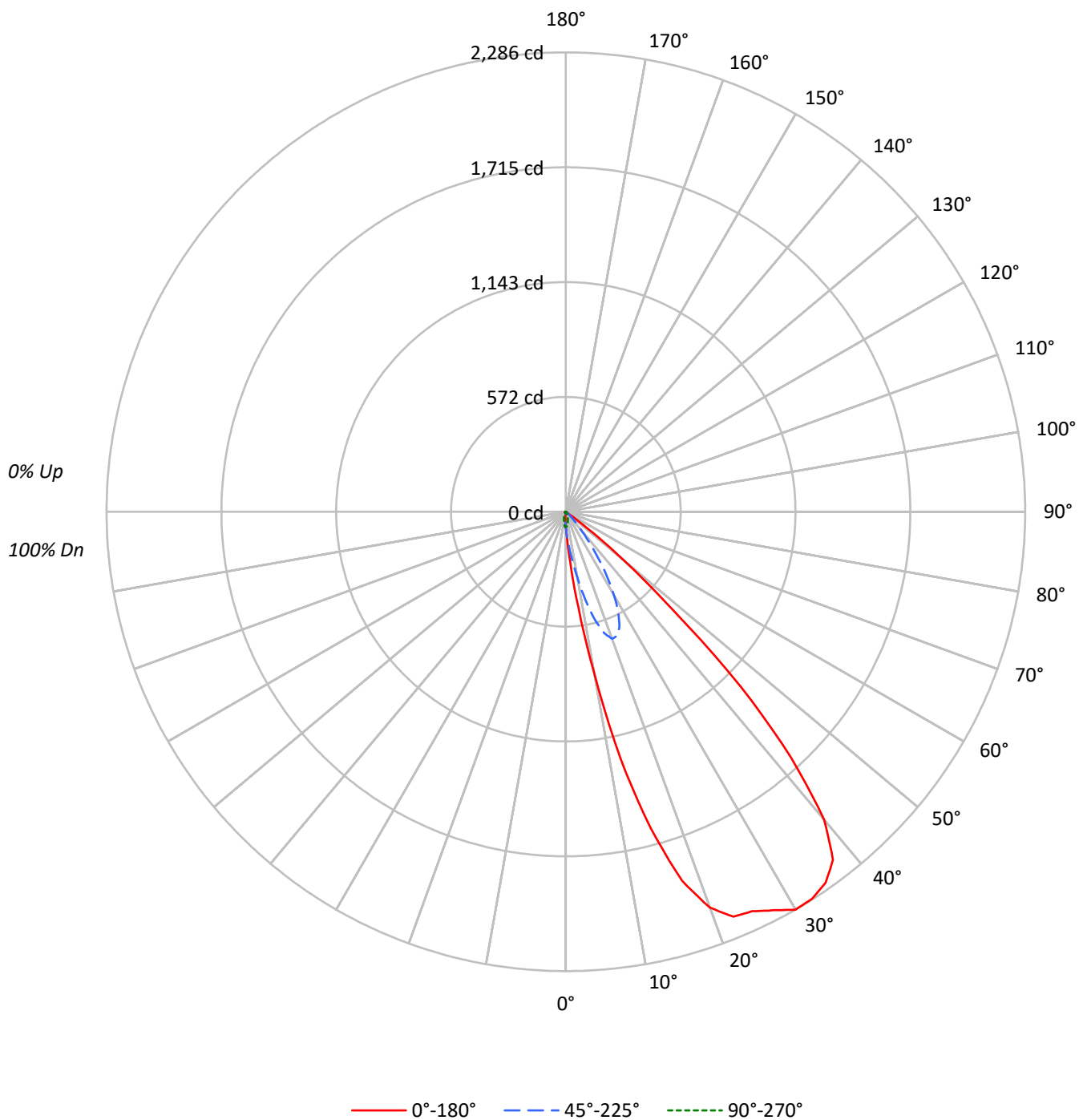
Lumens per Lamp: N/A
Luminaire Lumens: 718.9 lumens
Efficiency: N/A
Efficacy: 64.8 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1305763

CATALOG NUMBER: P3SQAS09R359024DE010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1305763

CATALOG NUMBER: P3SQAS09R359024DE010 E3SQCA301MW

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	51	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°	13003	13003	13003	13003	13003
5°	44292	28785	12171	5135	3786
10°	142562	58357	9601	1924	1242
15°	290447	98973	6793	695	464
20°	384090	123253	4380	238	238
25°	416747	119831	2451	114	247
30°	454627	95495	1034	119	259
35°	473724	59436	273	126	273
40°	449529	25967	135	292	427
45°	300090	10376	146	463	779
50°	100635	1742	348	697	1045
55°	5615	180	390	961	1351
60°	448	207	654	1102	1550
65°	530	245	774	1304	1834
70°	302	302	957	1611	1964
75°	399	399	1264	1730	2129
80°	0	595	1884	1884	1884
85°	0	1186	3754	1186	2569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 300090 cd/sqm

TEST NUMBER: P1305763

CATALOG NUMBER: P3SQAS09R359024DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.1	1.8
10°-20°	103.3	14.4
20°-30°	218.0	30.3
30°-40°	247.3	34.4
40°-50°	121.7	16.9
50°-60°	10.5	1.5
60°-70°	2.1	0.3
70°-80°	2.0	0.3
80°-90°	1.0	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°	334.3	46.5
0°-40°	581.6	80.9
0°-60°	713.9	99.3
0°-90°	718.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	718.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	76	76	76	76	76	
5°	256	166	70	30	22	42
15°	1629	555	38	4	3	463
25°	2193	631	13	1	1	1021
35°	2253	283	1	1	1	1389
45°	1232	43	1	2	3	910
55°	19	1	1	3	4	73
65°	1	1	2	3	4	1
75°	1	1	2	3	3	0
85°	0	1	2	1	1	0
90°	0	0	0	0	0	

TEST NUMBER: P1305763

CATALOG NUMBER: P3SQAS09R359024DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
2.5°	131.0	134.2	133.0	132.3	131.7	129.1	123.3	122.6	116.8	112.9	93.6
5°	256.2	251.1	252.4	245.3	236.2	223.3	214.9	196.9	182.0	166.5	109.1
7.5°	482.8	475.7	462.1	441.5	420.2	392.4	350.5	316.9	278.2	241.4	121.3
10°	815.2	811.3	793.9	740.9	694.5	620.2	550.5	477.0	404.7	333.7	129.7
12.5°	1259.2	1232.8	1201.1	1130.8	1039.1	946.2	808.7	681.6	566.0	447.3	130.4
15°	1629.0	1612.3	1567.7	1476.1	1365.7	1231.5	1068.2	897.1	722.9	555.1	123.9
17.5°	1926.6	1900.8	1843.3	1753.6	1626.5	1452.2	1261.1	1052.7	840.3	631.9	112.9
20°	2095.7	2082.1	2038.2	1948.5	1809.8	1619.4	1401.9	1159.2	913.9	672.5	98.7
22.5°	2180.9	2171.2	2138.9	2067.3	1937.5	1745.9	1496.7	1214.7	935.2	668.0	83.9
25°	2193.1	2190.6	2162.8	2108.6	2000.2	1810.4	1538.0	1225.0	917.8	630.6	69.7
27.5°	2235.7	2226.7	2193.8	2139.6	2030.5	1821.4	1523.8	1189.5	861.6	564.7	58.1
30°	2286.1	2279.6	2246.7	2190.6	2061.5	1811.0	1473.5	1110.8	771.9	480.2	43.2
32.5°	2282.2	2279.6	2251.9	2192.5	2039.5	1750.4	1383.8	992.7	649.9	378.9	27.1
35°	2253.2	2244.1	2209.3	2117.6	1914.3	1594.2	1213.4	832.6	514.4	282.7	17.4
37.5°	2183.5	2164.1	2105.4	1949.8	1690.4	1353.4	988.1	642.8	364.0	189.1	11.0
40°	1999.5	1975.0	1856.9	1669.1	1397.3	1066.2	735.1	442.1	240.1	115.5	4.5
42.5°	1658.7	1609.0	1490.9	1297.9	1043.0	753.9	482.8	286.6	141.3	69.7	1.3
45°	1232.1	1194.0	1070.1	895.2	683.5	483.4	292.4	154.9	78.1	42.6	0.6
47.5°	717.7	694.5	630.6	515.7	377.6	253.6	149.7	83.3	45.8	20.7	0.6
50°	375.6	346.6	298.2	225.9	166.5	116.8	72.9	44.5	22.6	6.5	0.6
52.5°	131.7	129.7	118.1	89.1	72.3	52.3	35.5	19.4	6.5	1.3	0.6
55°	18.7	18.7	17.4	19.4	20.7	18.7	12.3	5.2	1.3	0.6	0.6
57.5°	1.3	1.3	1.3	1.9	2.6	2.6	1.9	0.6	0.6	0.6	1.3
60°	1.3	1.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.3
62.5°	1.3	1.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.3
65°	1.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.3
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.3
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.9
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.9
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.9
77.5°	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	1.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.3
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: P1305763

CATALOG NUMBER: P3SQAS09R359024DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	75.5	75.5	75.5	75.5	75.5
2.5°	74.9	60.0	47.8	42.0	40.0
5°	70.4	45.2	29.7	23.2	21.9
7.5°	62.6	32.3	18.1	12.9	12.3
10°	54.9	23.2	11.0	7.7	7.1
12.5°	45.8	16.1	7.1	4.5	3.9
15°	38.1	11.0	3.9	3.2	2.6
17.5°	30.3	7.1	2.6	1.9	2.6
20°	23.9	4.5	1.3	1.3	1.3
22.5°	18.1	2.6	1.3	1.3	1.3
25°	12.9	1.3	0.6	0.6	1.3
27.5°	9.0	0.6	0.6	0.6	1.3
30°	5.2	0.6	0.6	0.6	1.3
32.5°	2.6	0.6	0.6	1.3	1.3
35°	1.3	0.6	0.6	1.3	1.3
37.5°	0.6	0.6	0.6	1.3	1.9
40°	0.6	0.6	1.3	1.9	1.9
42.5°	0.6	0.6	1.3	1.9	2.6
45°	0.6	1.3	1.9	2.6	3.2
47.5°	1.3	1.3	2.6	3.2	3.9
50°	1.3	1.9	2.6	3.9	3.9
52.5°	1.3	1.9	3.2	3.9	4.5
55°	1.3	2.6	3.2	4.5	4.5
57.5°	1.9	2.6	3.2	4.5	4.5
60°	1.9	2.6	3.2	4.5	4.5
62.5°	1.9	2.6	3.2	4.5	4.5
65°	1.9	2.6	3.2	4.5	4.5
67.5°	1.9	2.6	3.2	3.9	4.5
70°	1.9	2.6	3.2	3.9	3.9
72.5°	2.6	2.6	3.2	3.9	3.9
75°	1.9	2.6	2.6	3.2	3.2
77.5°	1.9	1.9	1.9	2.6	2.6
80°	1.9	1.9	1.9	1.9	1.9
82.5°	1.9	1.3	1.3	1.9	1.9
85°	1.9	1.3	0.6	1.3	1.3
87.5°	1.3	1.3	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)