

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: P1310705

Luminaire Tested: P3SQAS24R359040D010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310705
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R359040D010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

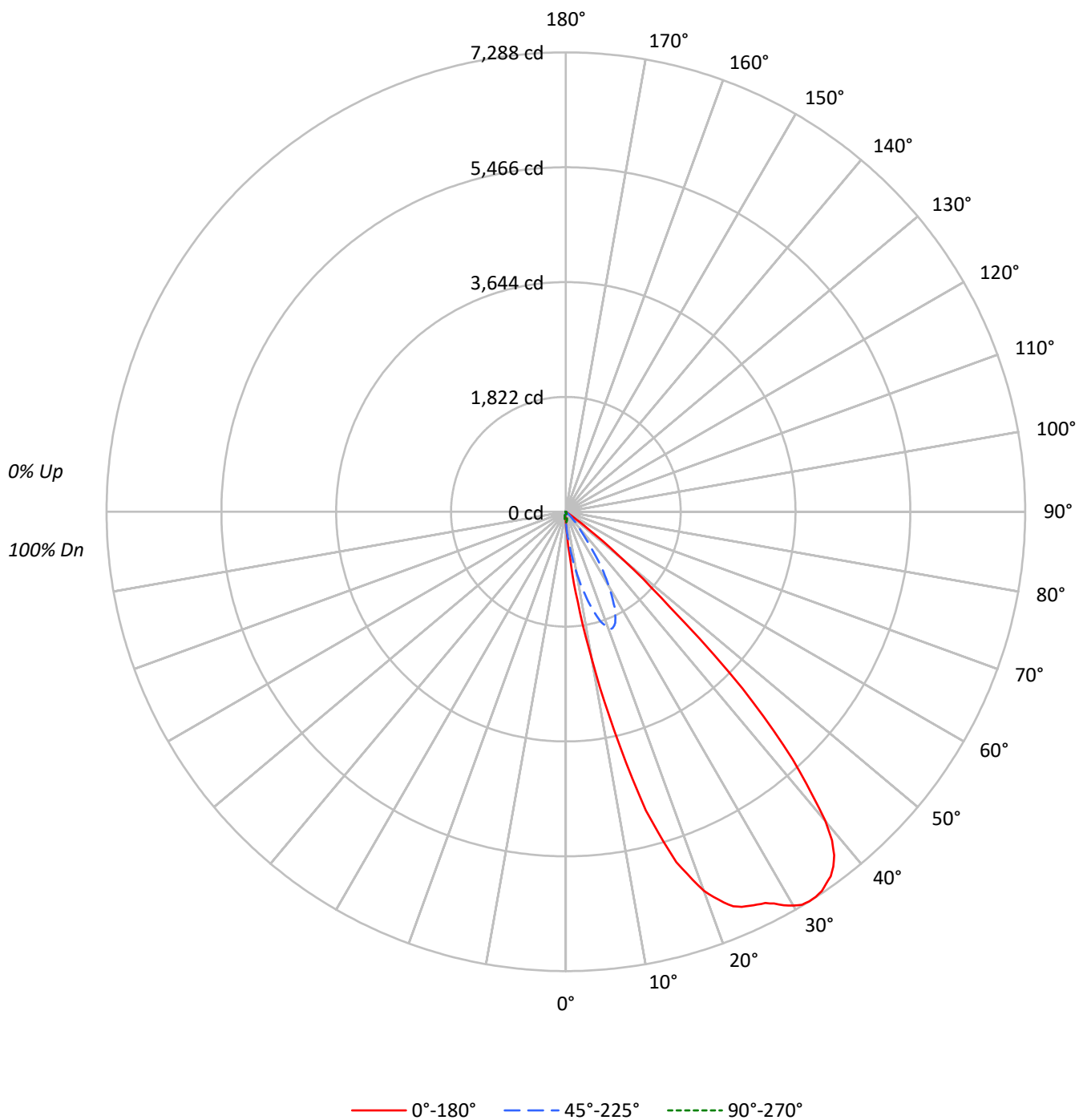
Lumens per Lamp: N/A
Luminaire Lumens: 2177.1 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1310705

CATALOG NUMBER: P3SQAS24R359040D010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1310705

CATALOG NUMBER: P3SQAS24R359040D010 E3SQCA301MMS

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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75		
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67		
5	86	76	70	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	46	55	50	46	45		
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	28262	28262	28262	28262	28262
5°	122797	76119	26209	9336	6466
10°	413328	171802	19621	2186	734
15°	874641	281800	12213	0	0
20°	1172743	360081	5718	0	0
25°	1310652	353621	1178	0	0
30°	1434815	270934	0	0	0
35°	1514290	147592	0	0	0
40°	1439504	66300	0	0	0
45°	966152	29349	0	0	0
50°	322750	2786	0	0	0
55°	17475	0	0	0	0
60°	0	0	723	0	0
65°	0	0	1712	0	0
70°	0	1057	2115	0	0
75°	0	1397	2795	0	0
80°	0	2083	4166	0	0
85°	0	4150	8299	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 966152 cd/sqm

TEST NUMBER: P1310705

CATALOG NUMBER: P3SQAS24R359040D010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.3	1.6
10°-20°	302.1	13.9
20°-30°	662.8	30.4
30°-40°	766.6	35.2
40°-50°	378.4	17.4
50°-60°	28.0	1.3
60°-70°	1.0	0.0
70°-80°	1.6	0.1
80°-90°	1.4	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°	1000.1	45.9
0°-40°	1766.6	81.1
0°-60°	2173.1	99.8
0°-90°	2177.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2177.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	164	164	164	164	164	
5°	710	440	152	54	37	122
15°	4906	1580	68	0	0	1384
25°	6897	1861	6	0	0	3189
35°	7202	702	0	0	0	4447
45°	3967	120	0	0	0	2911
55°	58	0	0	0	0	238
65°	0	0	4	0	0	0
75°	0	2	4	0	0	0
85°	0	2	4	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1310705

CATALOG NUMBER: P3SQAS24R359040D010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	164.1	164.1	164.1	164.1	164.1	164.1	164.1	164.1	164.1	164.1	164.1
2.5°	326.1	334.4	330.2	330.2	328.1	317.8	299.1	292.8	270.0	213.9	166.1
5°	710.3	712.4	706.1	675.0	648.0	623.1	569.1	544.1	440.3	261.7	151.6
7.5°	1441.3	1410.2	1370.7	1327.1	1231.6	1144.3	1030.1	909.7	681.2	303.2	135.0
10°	2363.5	2319.8	2286.6	2182.8	2010.4	1831.8	1613.7	1416.4	982.4	332.3	112.2
12.5°	3553.5	3528.6	3410.2	3202.5	2947.1	2689.5	2309.5	1995.9	1285.6	338.5	91.4
15°	4905.5	4864.0	4683.3	4388.4	4041.6	3636.6	3127.7	2600.2	1580.5	319.8	68.5
17.5°	5829.7	5806.9	5651.1	5341.7	4942.9	4427.9	3825.6	3167.2	1823.5	280.4	47.8
20°	6398.8	6365.6	6220.2	5958.5	5541.1	5003.1	4288.7	3528.6	1964.7	230.5	31.2
21°	6546.3	6513.0	6396.7	6124.6	5725.9	5148.5	4415.4	3615.8	1991.7	207.7	24.9
22°	6685.4	6652.2	6529.6	6288.7	5894.1	5291.8	4515.1	3682.3	1987.6	189.0	18.7
23°	6801.7	6766.4	6645.9	6423.7	6027.0	5418.5	4589.9	3715.5	1960.6	170.3	14.5
24°	6861.9	6841.2	6733.2	6523.4	6135.0	5507.8	4641.8	3728.0	1927.3	151.6	10.4
25°	6897.2	6872.3	6766.4	6573.3	6205.6	5578.4	4675.0	3717.6	1860.9	135.0	6.2
26°	6934.6	6897.2	6776.8	6589.9	6243.0	5611.7	4677.1	3690.6	1790.3	120.5	2.1
27°	6967.9	6932.5	6807.9	6602.3	6249.3	5601.3	4660.5	3638.7	1705.1	105.9	2.1
28°	7040.5	7001.1	6857.8	6629.3	6255.5	5574.3	4608.5	3568.0	1592.9	93.5	0.0
29°	7136.1	7094.5	6930.5	6693.7	6270.0	5545.2	4537.9	3474.6	1495.3	83.1	0.0
30°	7215.0	7177.6	7026.0	6774.7	6307.4	5518.2	4454.9	3347.9	1362.4	70.6	0.0
31°	7273.2	7235.8	7096.6	6843.2	6340.6	5493.3	4351.0	3217.1	1242.0	62.3	0.0
32°	7287.7	7256.5	7125.7	6872.3	6340.6	5455.9	4255.5	3069.6	1123.6	51.9	0.0
33°	7281.5	7250.3	7117.4	6851.5	6284.6	5366.6	4139.2	2893.1	988.6	45.7	0.0
34°	7258.6	7221.2	7080.0	6785.1	6174.5	5215.0	3970.9	2716.5	847.4	37.4	0.0
35°	7202.5	7169.3	7015.6	6660.5	6004.2	4984.5	3746.6	2513.0	702.0	31.2	0.0
36°	7148.5	7098.7	6909.7	6506.8	5779.9	4747.7	3478.7	2278.3	577.4	24.9	0.0
37°	7048.9	6978.2	6787.2	6284.6	5462.1	4413.3	3173.4	2020.8	483.9	18.7	0.0
38°	6915.9	6820.4	6577.4	6027.0	5142.3	4099.7	2886.8	1788.2	407.1	12.5	0.0
39°	6710.3	6598.2	6268.0	5674.0	4772.6	3736.3	2558.7	1541.0	346.8	8.3	0.0
40°	6402.9	6297.0	5931.5	5254.4	4405.0	3335.4	2222.2	1262.7	294.9	4.2	0.0
42.5°	5331.3	5185.9	4762.2	4089.3	3256.5	2398.8	1470.4	702.0	195.2	0.0	0.0
45°	3966.8	3838.0	3422.7	2810.0	2170.3	1468.3	787.1	413.3	120.5	0.0	0.0
47.5°	2240.9	2226.4	1956.4	1613.7	1210.8	780.9	398.8	249.2	51.9	0.0	0.0
50°	1204.6	1129.8	974.0	739.4	504.7	340.6	216.0	137.1	10.4	0.0	0.0
52.5°	440.3	425.8	357.2	297.0	228.5	155.8	110.1	60.2	0.0	0.0	0.0
55°	58.2	54.0	56.1	60.2	62.3	54.0	35.3	12.5	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	2.1	4.2	4.2	4.2	0.0	0.0	0.0	2.1
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	4.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.2	4.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.2	4.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.2	4.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.2	4.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.2	4.2



TEST NUMBER: P1310705

CATALOG NUMBER: P3SQAS24R359040D010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.2	4.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.2	4.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.2	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



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CATALOG NUMBER: P3SQAS24R359040D010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	164.1	164.1	164.1	164.1
2.5°	126.7	97.6	83.1	81.0
5°	87.2	54.0	39.5	37.4
7.5°	60.2	27.0	18.7	16.6
10°	35.3	12.5	6.2	4.2
12.5°	20.8	2.1	0.0	0.0
15°	6.2	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	2.1	0.0	0.0	0.0
67.5°	2.1	0.0	0.0	0.0
70°	2.1	0.0	0.0	0.0
72.5°	2.1	0.0	0.0	0.0
75°	2.1	0.0	0.0	0.0
77.5°	2.1	0.0	0.0	0.0
80°	2.1	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	2.1	0.0	0.0	0.0
85°	2.1	0.0	0.0	0.0
87.5°	2.1	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)