

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: P1310748

Luminaire Tested: P3SQAS24R559040D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310748
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R559040D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

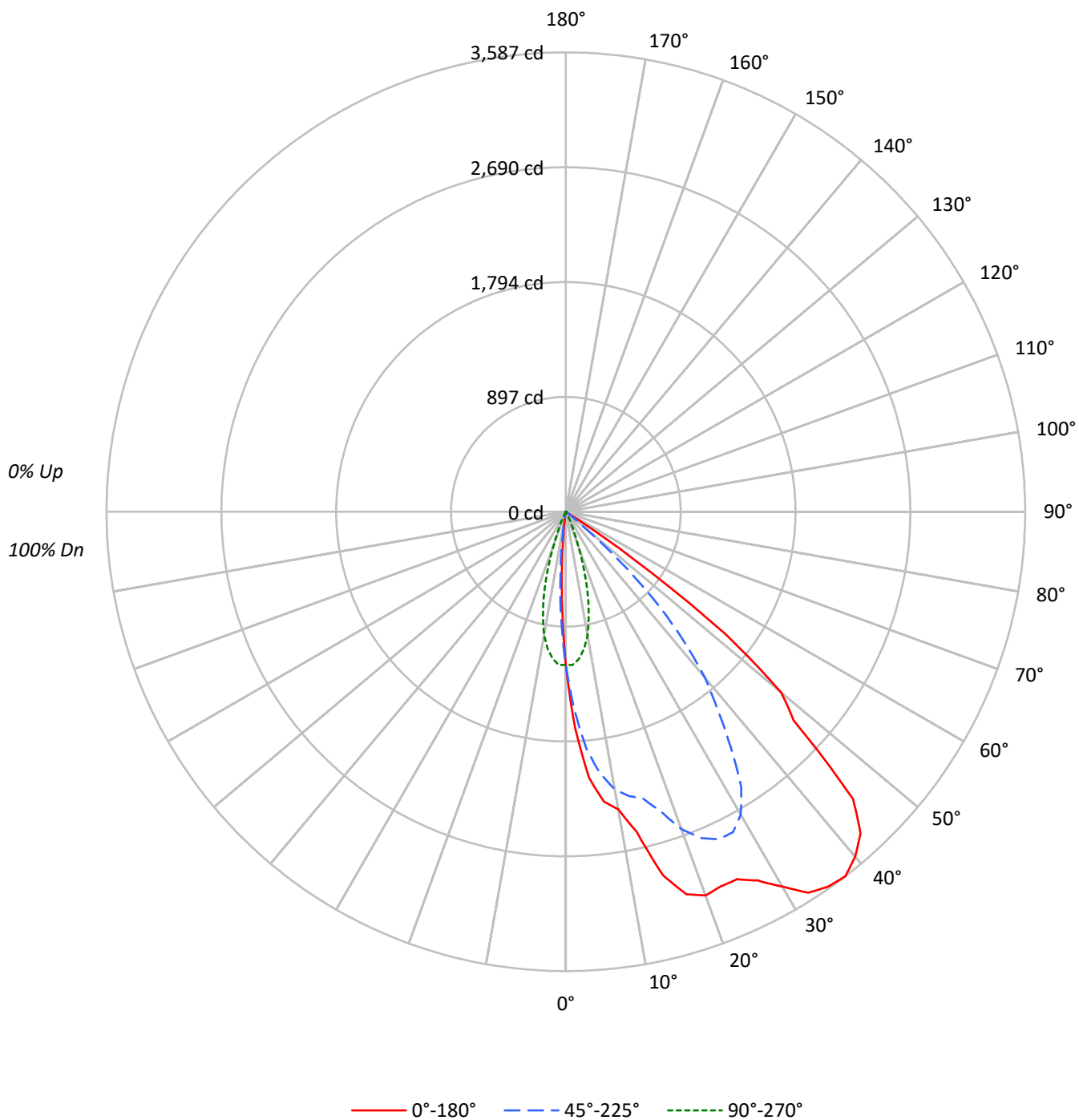
Lumens per Lamp: N/A
Luminaire Lumens: 2210.0 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	97	96	96	94	93	91		
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82		
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	205668	205668	205668	205668	205668
5°	360490	321350	199625	82948	47750
10°	412593	384630	170700	9076	3270
15°	524339	412885	117017	1854	1105
20°	584282	483023	51390	0	0
25°	601453	535951	14594	0	0
30°	671967	543122	2068	0	0
35°	751037	471580	0	0	0
40°	790020	379610	0	0	0
45°	772401	239760	0	0	0
50°	588162	48978	0	0	0
55°	192677	0	0	0	0
60°	0	0	0	0	0
65°	0	856	856	0	0
70°	0	1057	1057	0	0
75°	0	1397	1397	0	0
80°	0	2083	4166	2083	0
85°	0	4150	4150	4150	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 772401 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.1	4.9
10°-20°	319.8	14.5
20°-30°	520.0	23.5
30°-40°	618.0	28.0
40°-50°	505.4	22.9
50°-60°	134.0	6.1
60°-70°	0.9	0.0
70°-80°	1.4	0.1
80°-90°	1.6	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°	948.9	42.9
0°-40°	1566.9	70.9
0°-60°	2206.2	99.8
0°-90°	2210.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2210.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1194	1194	1194	1194	1194	
5°	2085	1859	1155	480	276	204
15°	2941	2316	656	10	6	822
25°	3165	2820	77	0	0	1491
35°	3572	2243	0	0	0	2221
45°	3171	984	0	0	0	2276
55°	642	0	0	0	0	721
65°	0	2	2	0	0	0
75°	0	2	2	0	0	0
85°	0	2	2	2	0	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°	1194.2	1194.2	1194.2	1194.2	1194.2	1194.2	1194.2	1194.2	1194.2	1194.2	1194.2
2.5°	1694.7	1682.2	1684.3	1678.1	1684.3	1657.3	1628.2	1601.3	1580.5	1551.4	1374.9
5°	2085.2	2064.4	2058.2	2049.8	2041.5	2008.3	1981.3	1948.1	1908.6	1858.8	1534.8
7.5°	2282.5	2265.8	2257.5	2261.7	2243.0	2230.5	2195.2	2157.8	2116.3	2062.3	1655.2
10°	2359.3	2342.7	2340.6	2338.5	2336.5	2328.1	2311.5	2278.3	2240.9	2199.4	1723.8
12.5°	2560.8	2523.4	2498.4	2469.4	2434.1	2388.4	2351.0	2321.9	2307.4	2274.1	1754.9
15°	2940.8	2905.5	2878.5	2841.1	2774.7	2677.1	2587.8	2473.5	2373.8	2315.7	1742.5
17.5°	3131.9	3115.3	3092.4	3067.5	3021.8	2951.2	2859.8	2739.4	2612.7	2448.6	1682.2
20°	3188.0	3179.7	3163.0	3152.7	3121.5	3071.7	3009.4	2915.9	2797.5	2635.5	1588.8
22.5°	3165.1	3171.3	3179.7	3206.7	3210.8	3175.5	3117.3	3028.0	2907.6	2758.1	1445.5
25°	3165.1	3161.0	3161.0	3217.0	3252.3	3235.7	3194.2	3113.2	2990.7	2820.4	1269.0
27.5°	3246.1	3221.2	3169.3	3227.4	3285.6	3279.3	3242.0	3146.4	3009.4	2822.4	1053.0
30°	3379.0	3325.0	3239.9	3293.9	3347.9	3325.0	3264.8	3142.3	2967.8	2731.1	789.2
32.5°	3526.5	3501.6	3458.0	3493.3	3485.0	3393.6	3285.6	3115.3	2882.7	2548.3	531.7
35°	3572.2	3576.3	3547.3	3541.0	3493.3	3399.8	3285.6	3038.4	2704.1	2243.0	315.7
37.5°	3586.7	3588.8	3543.1	3485.0	3414.3	3304.3	3167.2	2880.6	2373.8	1948.1	168.2
40°	3514.0	3512.0	3437.2	3366.6	3287.7	3179.7	2980.3	2548.3	2060.2	1688.5	60.2
42.5°	3406.0	3379.0	3308.4	3221.2	3125.7	2990.7	2679.1	2151.6	1790.2	1352.0	4.2
45°	3171.3	3146.4	3090.4	2996.9	2891.0	2699.9	2207.7	1848.4	1455.9	984.4	0.0
47.5°	2411.2	2398.8	2456.9	2469.4	2467.3	2249.2	1842.2	1507.8	1069.6	573.2	0.0
50°	2195.2	2178.6	2120.5	2045.7	1912.8	1730.0	1476.6	1117.3	627.2	182.8	0.0
52.5°	1576.3	1630.3	1642.8	1586.7	1462.1	1281.4	1017.7	643.8	218.1	0.0	0.0
55°	641.7	608.5	633.4	664.6	689.5	633.4	469.4	228.5	2.1	0.0	0.0
57.5°	0.0	2.1	12.5	29.1	47.8	60.2	64.4	4.2	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	2.1	0.0	2.1	2.1	2.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1
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	2.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
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°	1194.2	1194.2	1194.2	1194.2	1194.2
2.5°	1198.3	1013.5	834.9	737.3	689.5
5°	1154.7	774.7	479.8	332.3	276.2
7.5°	1082.0	531.7	191.1	78.9	56.1
10°	976.1	305.3	51.9	20.8	18.7
12.5°	824.5	139.1	18.7	14.5	14.5
15°	656.3	47.8	10.4	8.3	6.2
17.5°	461.1	12.5	4.2	0.0	0.0
20°	280.4	2.1	0.0	0.0	0.0
22.5°	155.8	0.0	0.0	0.0	0.0
25°	76.8	0.0	0.0	0.0	0.0
27.5°	33.2	0.0	0.0	0.0	0.0
30°	10.4	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	2.1	0.0	0.0	0.0	0.0
65°	2.1	2.1	0.0	0.0	0.0
67.5°	2.1	2.1	0.0	0.0	0.0
70°	2.1	2.1	0.0	0.0	0.0
72.5°	2.1	2.1	0.0	0.0	0.0
75°	2.1	2.1	0.0	0.0	0.0
77.5°	4.2	2.1	2.1	0.0	0.0
80°	4.2	2.1	2.1	0.0	0.0
82.5°	4.2	2.1	2.1	0.0	0.0
85°	2.1	2.1	2.1	0.0	0.0
87.5°	4.2	2.1	2.1	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)