

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: P1309612

Luminaire Tested: P3SQAS24R459035D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309612
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-58)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R459035D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

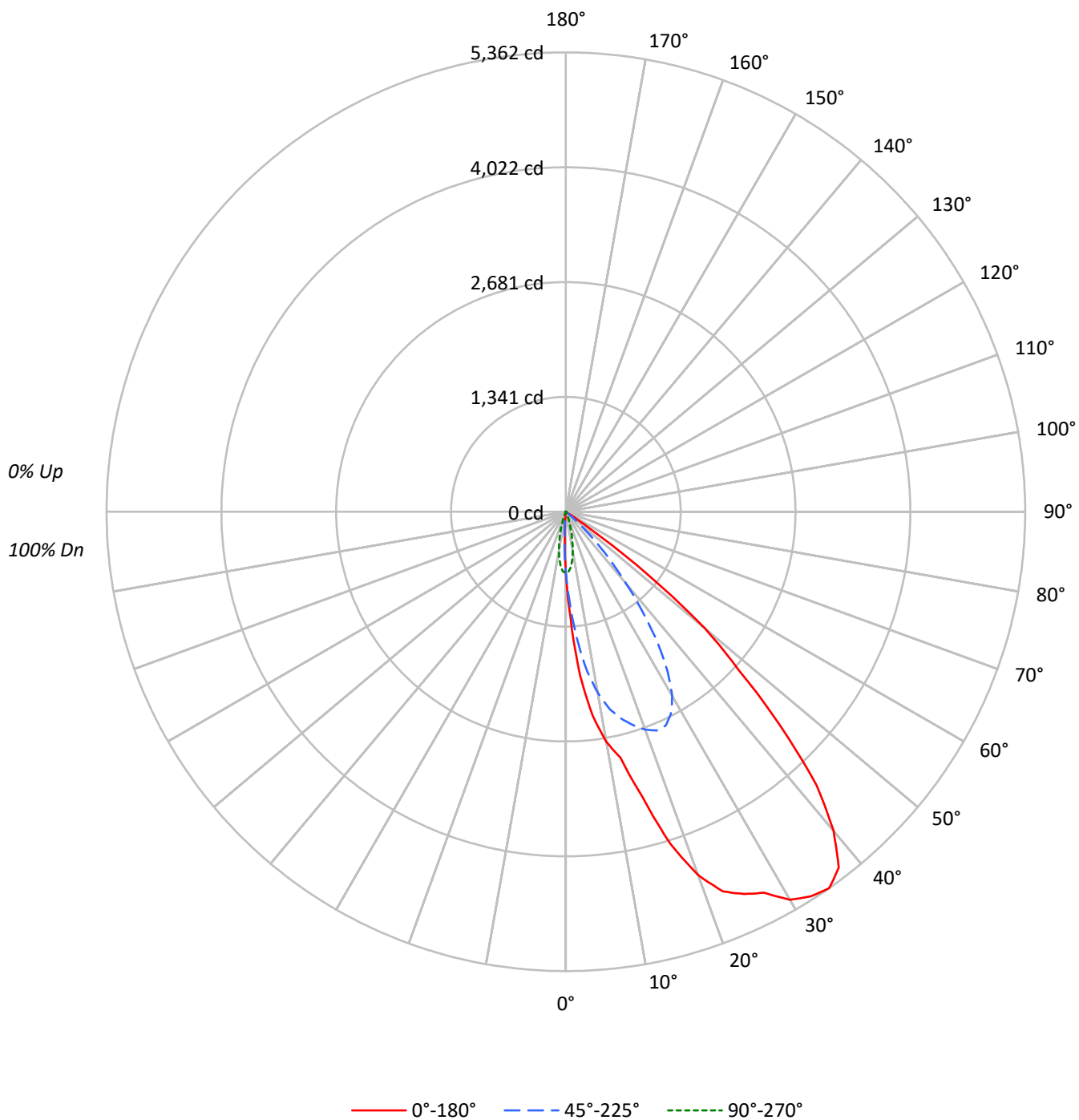
Lumens per Lamp: N/A
Luminaire Lumens: 2273.0 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Spacing Criteria (0/90/45): 2.27 / 0.42 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
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	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	43	65	54	47	42	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°	121572	121572	121572	121572	121572
5°	331913	255379	112511	22578	8471
10°	476686	374644	81354	2134	1784
15°	613684	445620	43291	731	0
20°	827141	495834	16458	0	0
25°	935539	523789	4257	0	0
30°	1039908	493783	398	0	0
35°	1127292	393789	0	0	0
40°	1092606	247235	0	0	0
45°	866147	117761	0	0	0
50°	566888	14763	0	0	0
55°	97405	0	0	0	0
60°	0	0	689	0	0
65°	0	815	815	0	0
70°	0	1007	2065	0	0
75°	0	1331	2728	0	0
80°	0	1984	4066	1984	0
85°	0	3952	8102	3952	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 866147 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.0	3.7
10°-20°	323.8	14.2
20°-30°	606.2	26.7
30°-40°	707.5	31.1
40°-50°	461.4	20.3
50°-60°	85.7	3.8
60°-70°	0.8	0.0
70°-80°	1.7	0.1
80°-90°	1.9	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°	1014.0	44.6
0°-40°	1721.6	75.7
0°-60°	2268.6	99.8
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°	706	706	706	706	706	
5°	1920	1477	651	131	49	206
15°	3442	2499	243	4	0	1026
25°	4923	2756	22	0	0	2277
35°	5362	1873	0	0	0	3289
45°	3556	484	0	0	0	2704
55°	324	0	0	0	0	564
65°	0	2	2	0	0	0
75°	0	2	4	0	0	0
85°	0	2	4	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°	50°
0°	705.9	705.9	705.9	705.9	705.9	705.9	705.9	705.9	705.9	705.9	705.9
2.5°	1244.6	1254.8	1234.4	1226.2	1199.7	1205.8	1160.9	1142.6	1114.0	1067.1	1044.6
5°	1919.9	1901.5	1885.2	1850.5	1830.1	1775.0	1713.8	1644.5	1560.8	1477.2	1381.3
7.5°	2401.4	2387.1	2381.0	2352.4	2311.6	2254.5	2174.9	2087.2	1979.1	1866.8	1722.0
10°	2725.8	2711.5	2687.0	2658.5	2625.8	2578.9	2501.4	2405.5	2287.1	2142.3	1972.9
12.5°	2938.0	2935.9	2895.1	2862.5	2821.7	2780.9	2701.3	2623.8	2507.5	2358.6	2166.8
15°	3441.9	3409.3	3356.2	3264.4	3150.2	3044.1	2915.5	2793.1	2666.6	2499.3	2285.1
17.5°	4070.3	4033.6	3943.8	3827.5	3643.9	3441.9	3221.6	3027.8	2838.0	2611.5	2358.6
20°	4513.1	4498.8	4423.3	4288.6	4092.8	3825.5	3535.8	3262.4	2995.1	2705.4	2393.2
22.5°	4796.7	4788.5	4757.9	4666.1	4466.2	4166.2	3792.9	3425.6	3103.3	2764.6	2383.0
25°	4923.2	4933.4	4937.5	4892.6	4731.4	4425.3	3982.6	3550.1	3164.5	2756.4	2305.5
27.5°	5012.9	5012.9	5029.3	5008.9	4845.6	4523.3	4056.1	3592.9	3144.1	2656.4	2142.3
30°	5229.2	5225.1	5235.3	5180.2	4953.8	4553.9	4023.4	3523.5	3027.8	2483.0	1907.7
32.5°	5323.1	5327.1	5325.1	5237.4	4974.2	4533.5	3943.8	3390.9	2813.5	2211.7	1597.5
35°	5361.8	5343.5	5268.0	5068.0	4735.5	4262.1	3719.4	3166.5	2513.6	1873.0	1260.9
37.5°	5233.3	5180.2	5012.9	4739.5	4333.5	3878.6	3348.1	2764.6	2115.8	1469.0	948.7
40°	4859.9	4790.6	4580.4	4249.9	3878.6	3468.5	2909.4	2293.3	1654.7	1099.7	665.1
42.5°	4331.5	4251.9	4025.5	3737.8	3399.1	2968.6	2411.6	1795.4	1211.9	759.0	422.3
45°	3556.2	3511.3	3380.7	3137.9	2805.4	2358.6	1848.5	1309.9	838.6	483.5	216.3
47.5°	2750.3	2693.2	2599.3	2432.0	2154.5	1730.1	1293.5	889.6	538.6	238.7	44.9
50°	2115.8	2048.4	1934.2	1748.5	1458.8	1154.8	838.6	555.0	273.4	55.1	2.0
52.5°	1218.0	1232.3	1177.2	1058.9	897.7	691.7	485.6	279.5	61.2	2.0	0.0
55°	324.4	350.9	342.8	369.3	324.4	273.4	202.0	53.0	4.1	0.0	0.0
57.5°	0.0	0.0	2.0	4.1	12.2	18.4	6.1	2.0	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	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	705.9	705.9	705.9	705.9	705.9	705.9	705.9	705.9
2.5°	993.6	950.8	897.7	701.9	528.4	379.5	295.8	273.4
5°	1289.5	1185.4	1050.7	650.8	326.4	130.6	59.2	49.0
7.5°	1569.0	1415.9	1173.2	569.2	165.3	32.6	16.3	14.3
10°	1785.2	1579.2	1262.9	465.2	61.2	12.2	10.2	10.2
12.5°	1934.2	1683.2	1295.6	353.0	22.4	6.1	6.1	4.1
15°	2019.9	1724.0	1265.0	242.8	8.2	4.1	0.0	0.0
17.5°	2046.4	1707.7	1183.4	153.0	2.0	0.0	0.0	0.0
20°	2023.9	1628.1	1054.8	89.8	0.0	0.0	0.0	0.0
22.5°	1950.5	1503.7	899.8	49.0	0.0	0.0	0.0	0.0
25°	1813.8	1328.2	718.2	22.4	0.0	0.0	0.0	0.0
27.5°	1591.4	1101.7	540.7	8.2	0.0	0.0	0.0	0.0
30°	1338.4	859.0	383.6	2.0	0.0	0.0	0.0	0.0
32.5°	1044.6	632.5	246.9	0.0	0.0	0.0	0.0	0.0
35°	785.5	442.7	146.9	0.0	0.0	0.0	0.0	0.0
37.5°	546.8	279.5	77.5	0.0	0.0	0.0	0.0	0.0
40°	340.7	151.0	26.5	0.0	0.0	0.0	0.0	0.0
42.5°	189.7	53.0	2.0	0.0	0.0	0.0	0.0	0.0
45°	44.9	4.1	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
60°	0.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
62.5°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
65°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
67.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
70°	2.0	2.0	2.0	4.1	2.0	0.0	0.0	0.0
72.5°	2.0	2.0	4.1	4.1	2.0	0.0	0.0	0.0
75°	2.0	2.0	4.1	4.1	2.0	0.0	0.0	0.0
77.5°	2.0	4.1	4.1	4.1	2.0	2.0	0.0	0.0
80°	2.0	4.1	4.1	4.1	4.1	2.0	0.0	0.0
82.5°	2.0	4.1	4.1	4.1	4.1	2.0	0.0	0.0
85°	2.0	4.1	4.1	4.1	2.0	2.0	0.0	0.0
87.5°	2.0	4.1	4.1	4.1	4.1	2.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)