

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: P1311813

Luminaire Tested: P3SQAS24R459050D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311813
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R459050D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R45 optic, 5000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

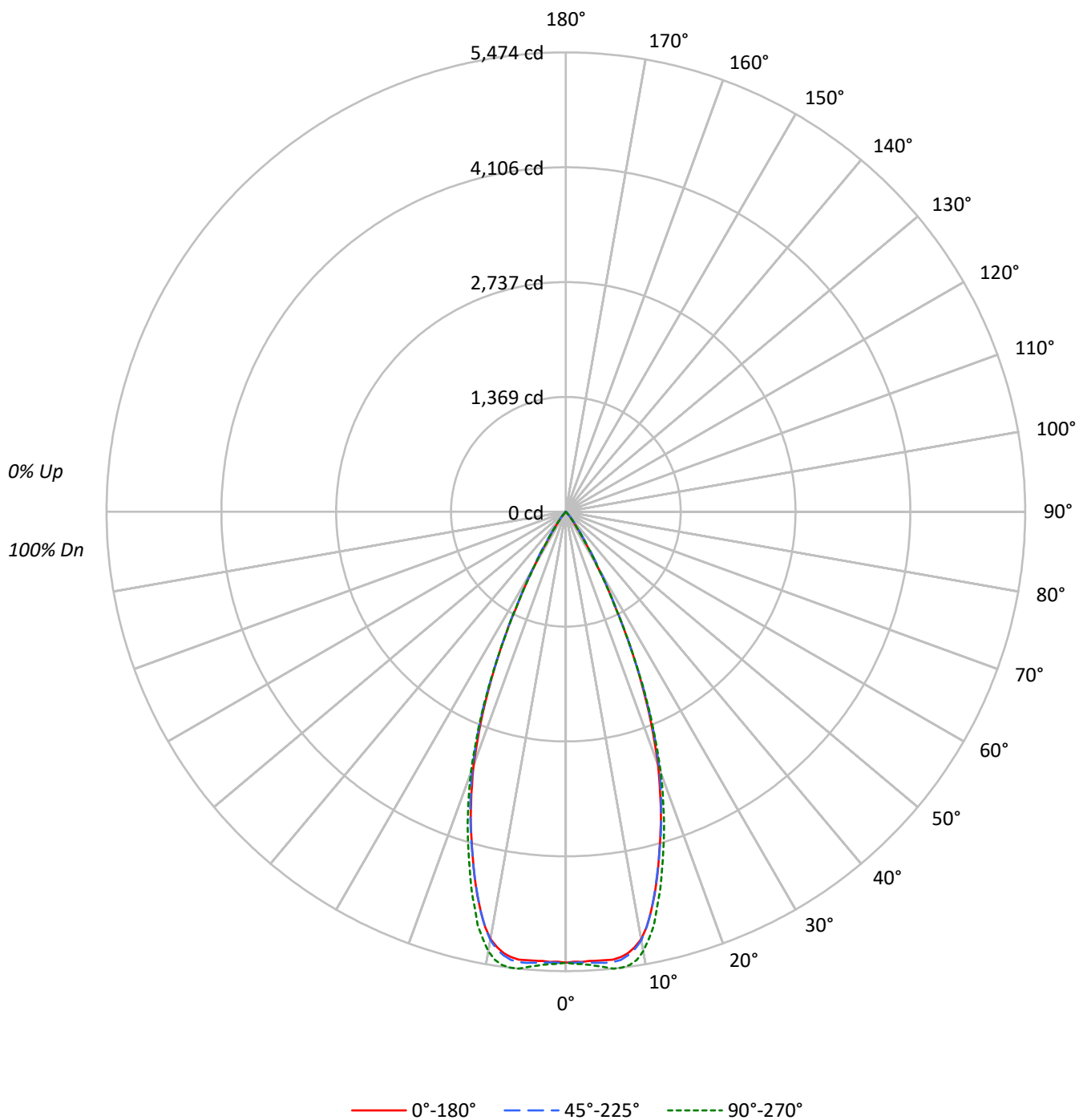
Lumens per Lamp: N/A
Luminaire Lumens: 2778.0 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1311813

CATALOG NUMBER: P3SQAS24R459050D010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1311813

CATALOG NUMBER: P3SQAS24R459050D010 E3SQCD1MB

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	96		98	96	94		95	94	92	91
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82		87	83	81		85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78		83	80	77		82	79	77	75
7	91	83	78	75	89	82	78	74	81	77	74		80	76	74		79	76	73	72
8	87	79	75	71	86	79	74	71	78	74	71		77	73	70		76	73	70	69
9	84	76	71	68	83	76	71	68	75	71	68		74	70	68		73	70	67	66
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71	67	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	925369	925369	925369
5°	927487	932846	942112
10°	904267	906068	929904
15°	762884	763258	788291
20°	588883	597222	607063
25°	365326	365725	368082
30°	150720	160166	148254
35°	46885	57313	45161
40°	14389	19964	13467
45°	999	7550	999
50°	0	1099	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 7550 cd/sqm

TEST NUMBER: P1311813

CATALOG NUMBER: P3SQAS24R459050D010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	511.4	18.4
10°-20°	1189.0	42.8
20°-30°	872.2	31.4
30°-40°	187.4	6.7
40°-50°	17.8	0.6
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	2572.6	92.6
0°-40°	2760.1	99.4
0°-60°	2778.0	100.0
0°-90°	2778.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2778.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5373	5373	5373	5373	5373	
5°	5365	5379	5396	5433	5450	507
15°	4279	4270	4281	4349	4421	1178
25°	1922	1916	1925	1925	1937	862
35°	223	240	273	233	215	176
45°	4	12	31	12	4	10
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1311813

CATALOG NUMBER: P3SQAS24R459050D010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5373.1	5373.1	5373.1	5373.1	5373.1
1°	5362.8	5375.2	5375.2	5383.5	5387.6
2°	5366.9	5375.2	5373.1	5387.6	5393.8
3°	5360.7	5375.2	5379.3	5395.9	5406.2
4°	5362.8	5375.2	5387.6	5412.4	5426.8
5°	5364.9	5379.3	5395.9	5433.0	5449.5
6°	5366.9	5377.3	5395.9	5443.3	5474.3
7°	5346.3	5360.7	5381.4	5441.3	5474.3
8°	5313.3	5321.5	5338.0	5416.5	5455.7
9°	5251.3	5249.2	5274.0	5360.7	5406.2
10°	5170.8	5146.0	5181.1	5267.8	5317.4
11°	5040.7	5013.8	5044.8	5137.7	5185.2
12°	4871.3	4871.3	4877.5	4960.1	5042.7
13°	4691.7	4671.0	4683.4	4776.4	4834.2
14°	4493.4	4472.8	4485.2	4555.4	4646.3
15°	4278.7	4270.4	4280.8	4348.9	4421.2
17.5°	3768.6	3750.0	3787.2	3855.4	3892.5
20°	3213.1	3244.1	3258.6	3301.9	3312.3
22.5°	2575.1	2608.1	2628.7	2634.9	2641.1
25°	1922.5	1916.3	1924.6	1924.6	1937.0
27.5°	1263.8	1263.8	1286.5	1272.0	1257.6
30°	757.9	788.8	805.4	778.5	745.5
32.5°	413.0	444.0	470.8	431.6	402.7
35°	223.0	239.5	272.6	233.3	214.8
37.5°	121.8	136.3	156.9	132.2	121.8
40°	64.0	78.5	88.8	78.5	59.9
42.5°	20.7	39.2	51.6	39.2	18.6
45°	4.1	12.4	31.0	12.4	4.1
47.5°	0.0	2.1	14.5	2.1	0.0
50°	0.0	0.0	4.1	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°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1311813

CATALOG NUMBER: P3SQAS24R459050D010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)