

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: P1305820

Luminaire Tested: P3SQAS09R609024DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305820
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R609024DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 2400K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

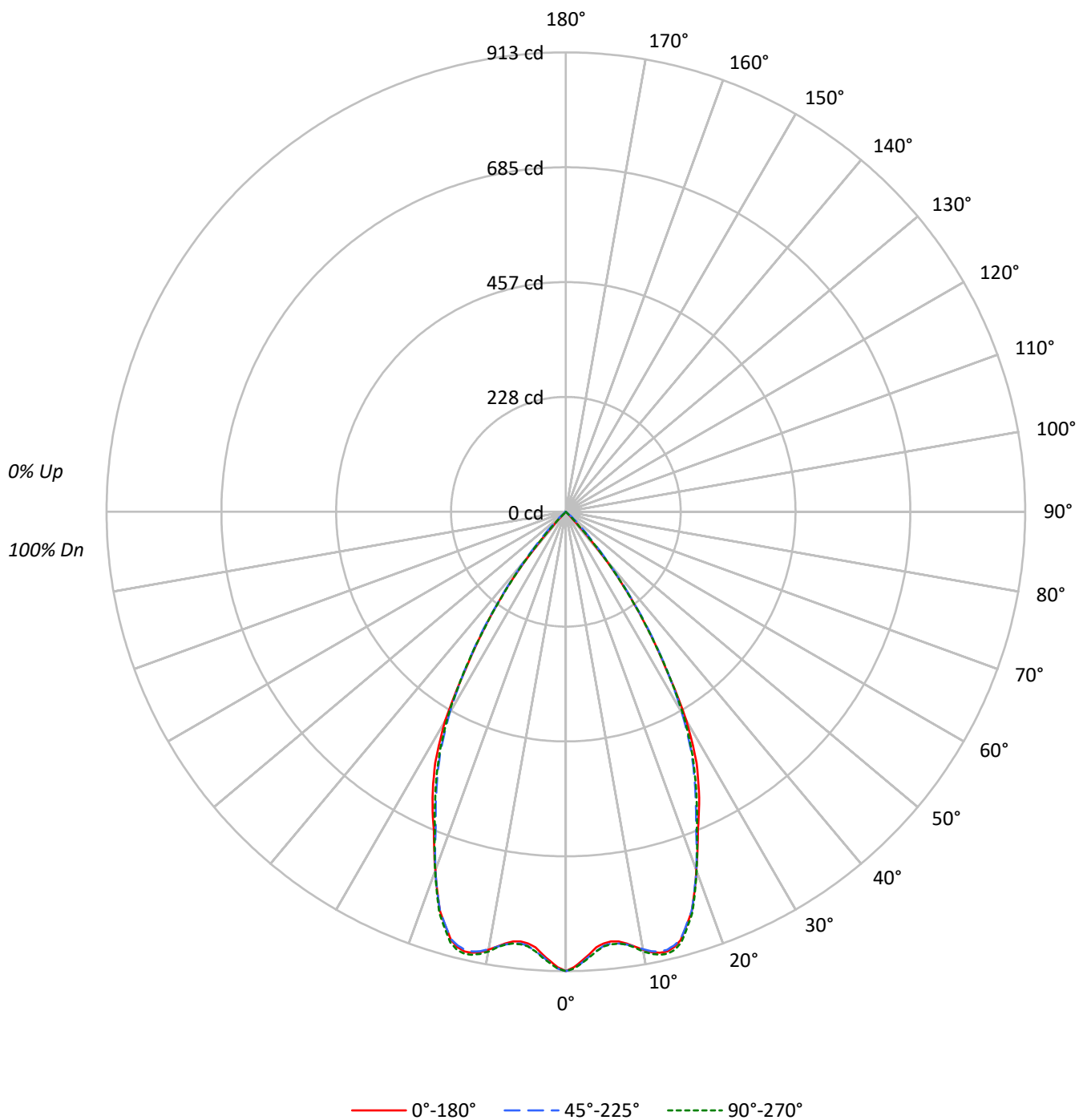
Lumens per Lamp: N/A
Luminaire Lumens: 809.0 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	92	88	101	96	91	88	93	89	86		91	88	85		88
4	98	91	86	81	96	90	85	81	88	83	80		86	82	79		84
5	93	85	80	76	92	84	79	75	83	78	75		81	77	74		79
6	89	80	74	70	87	79	74	70	78	73	70		77	72	69		75
7	85	76	70	66	83	75	69	65	74	69	65		72	68	65		71
8	81	71	66	62	79	71	65	61	70	65	61		69	64	61		68
9	77	67	62	58	76	67	61	58	66	61	57		65	61	57		64
10	73	64	58	54	72	63	58	54	63	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	157222	157222	157222
5°	148902	149680	149905
10°	154576	154349	155240
15°	157134	156902	158043
20°	139051	139051	139289
25°	119166	115612	116581
30°	95336	91856	93268
35°	59142	60361	58995
40°	25967	28575	26686
45°	317	9280	779
50°	0	1045	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: 9280 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.4	10.3
10°-20°	241.7	29.9
20°-30°	280.6	34.7
30°-40°	176.7	21.8
40°-50°	26.5	3.3
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°	605.6	74.9
0°-40°	782.3	96.7
0°-60°	809.0	100.0
0°-90°	809.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	809.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	913	913	913	913	913	
5°	861	864	866	868	867	83
15°	881	878	880	886	886	242
25°	627	620	608	611	614	285
35°	281	282	287	281	281	176
45°	1	12	38	16	3	17
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	912.9	912.9	912.9	912.9	912.9
1°	905.8	908.4	908.4	909.0	908.4
2°	893.5	897.4	897.4	899.3	898.1
3°	881.3	884.5	885.2	887.7	887.1
4°	867.7	872.9	874.8	876.1	875.5
5°	861.3	864.5	865.8	867.7	867.1
6°	858.7	861.3	862.6	864.5	864.5
7°	860.6	862.6	864.5	865.8	864.5
8°	866.4	868.4	868.4	871.0	869.0
9°	874.8	875.5	875.5	878.7	876.8
10°	883.9	882.6	882.6	887.1	887.7
11°	891.6	890.3	889.7	894.2	895.5
12°	896.1	893.5	893.5	899.3	900.0
13°	896.8	893.5	893.5	899.3	901.3
14°	891.6	887.7	888.4	894.8	896.8
15°	881.3	878.1	880.0	885.8	886.4
17.5°	832.3	830.3	831.6	835.5	836.1
20°	758.7	757.4	758.7	758.7	760.0
22.5°	685.8	682.6	676.1	680.0	680.6
25°	627.1	620.0	608.4	611.0	613.5
27.5°	562.6	553.5	541.3	544.5	545.2
30°	479.4	474.8	461.9	465.2	469.0
32.5°	370.3	382.6	374.8	374.2	374.8
35°	281.3	281.9	287.1	281.3	280.6
37.5°	196.8	197.4	201.3	194.8	195.5
40°	115.5	123.9	127.1	124.5	118.7
42.5°	36.1	63.9	72.3	62.6	40.0
45°	1.3	12.3	38.1	16.1	3.2
47.5°	0.0	0.6	18.1	1.3	0.0
50°	0.0	0.0	3.9	0.0	0.0
52.5°	0.0	0.0	0.6	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



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)