

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: P1305750

Luminaire Tested: P3SQASS09R309024DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305750
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS09R309024DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

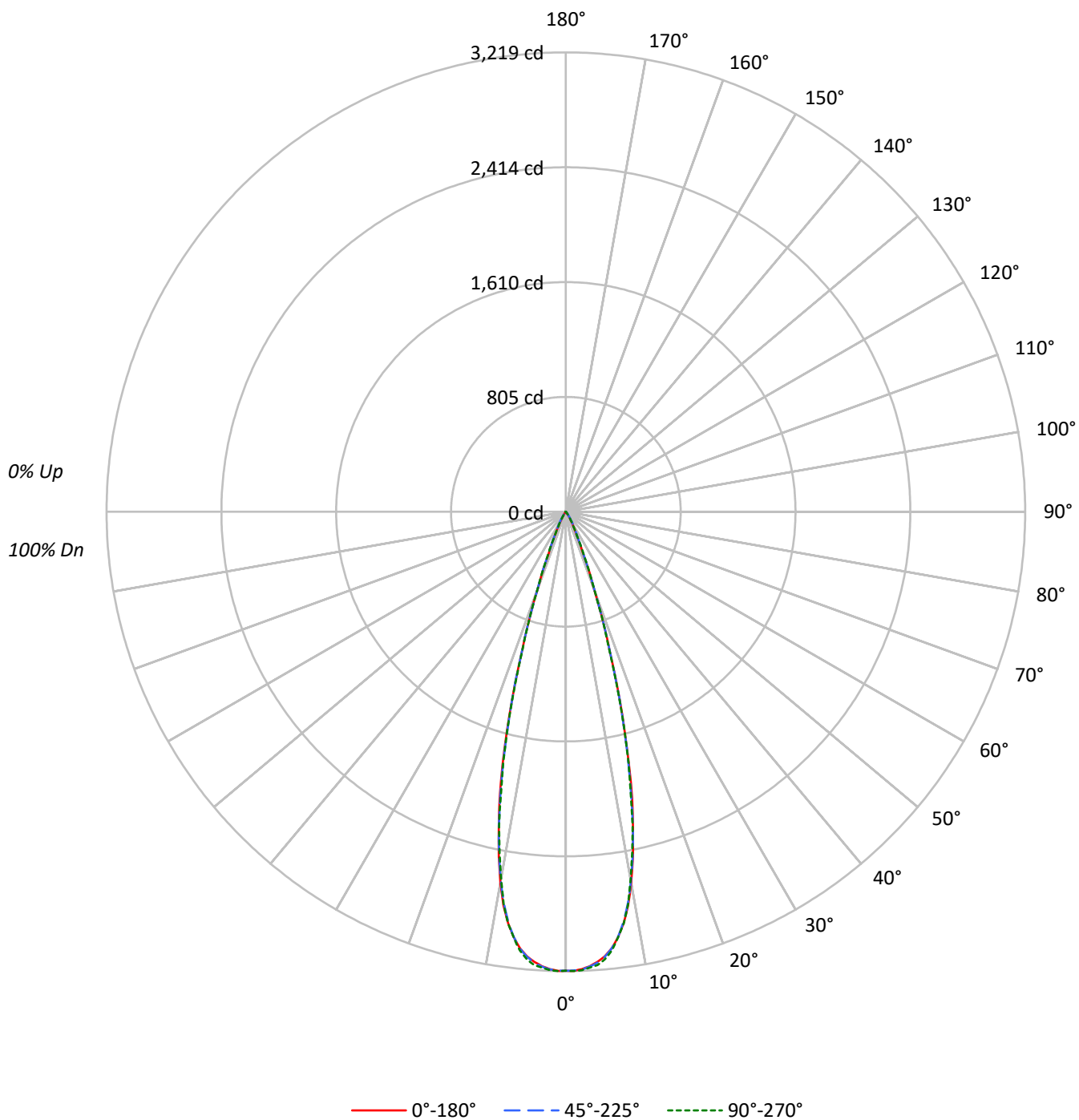
Lumens per Lamp: N/A
Luminaire Lumens: 830.0 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	96	95
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	93	92
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	85	84
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	80	79
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	553971	553971	553971
5°	540476	541133	544159
10°	461594	459461	456750
15°	284867	281515	282567
20°	107656	108261	108133
25°	33122	36314	34585
30°	13344	16943	13861
35°	3932	7190	4079
40°	1596	2900	1596
45°	317	950	317
50°	0	161	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: 950 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.7	34.2
10°-20°	420.1	50.6
20°-30°	104.2	12.6
30°-40°	19.6	2.4
40°-50°	2.5	0.3
50°-60°	0.0	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°	808.0	97.3
0°-40°	827.5	99.7
0°-60°	830.0	100.0
0°-90°	830.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	830.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3217	3217	3217	3217	3217	
5°	3126	3125	3130	3135	3148	284
15°	1598	1582	1579	1591	1585	422
25°	174	186	191	190	182	100
35°	19	24	34	25	19	16
45°	1	2	4	3	1	1
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°	3216.6	3216.6	3216.6	3216.6	3216.6
1°	3217.9	3215.3	3215.3	3211.5	3218.6
2°	3206.3	3203.7	3208.2	3205.0	3214.1
3°	3188.9	3185.7	3192.1	3194.0	3198.6
4°	3163.1	3160.5	3167.6	3171.5	3183.7
5°	3126.3	3125.0	3130.1	3135.3	3147.6
6°	3075.9	3074.0	3077.2	3083.7	3091.4
7°	3003.0	2999.1	3001.7	3003.0	3004.9
8°	2910.7	2904.9	2901.6	2908.7	2912.6
9°	2791.9	2785.4	2778.3	2775.7	2784.8
10°	2639.5	2629.9	2627.3	2620.8	2611.8
11°	2462.7	2454.9	2453.0	2441.4	2436.2
12°	2260.0	2256.1	2260.6	2253.5	2250.9
13°	2065.7	2041.1	2037.9	2024.4	2017.3
14°	1835.9	1813.3	1812.6	1805.5	1815.2
15°	1597.7	1582.2	1578.9	1591.2	1584.8
17.5°	1018.6	1029.0	1026.4	1019.9	1009.0
20°	587.4	580.3	590.7	593.2	590.0
22.5°	313.1	315.7	317.6	325.3	330.5
25°	174.3	185.9	191.1	190.4	182.0
27.5°	108.4	115.5	125.2	118.8	111.7
30°	67.1	72.9	85.2	73.6	69.7
32.5°	36.1	45.8	54.9	45.8	37.4
35°	18.7	24.5	34.2	25.2	19.4
37.5°	12.3	14.2	21.9	14.2	12.3
40°	7.1	9.0	12.9	9.0	7.1
42.5°	3.2	5.2	7.1	5.2	3.2
45°	1.3	1.9	3.9	2.6	1.3
47.5°	0.0	0.6	1.9	0.6	0.0
50°	0.0	0.0	0.6	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



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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)