

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: P1311770

Luminaire Tested: P3SQAS24R309050D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311770
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: P3SQAS24R309050D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

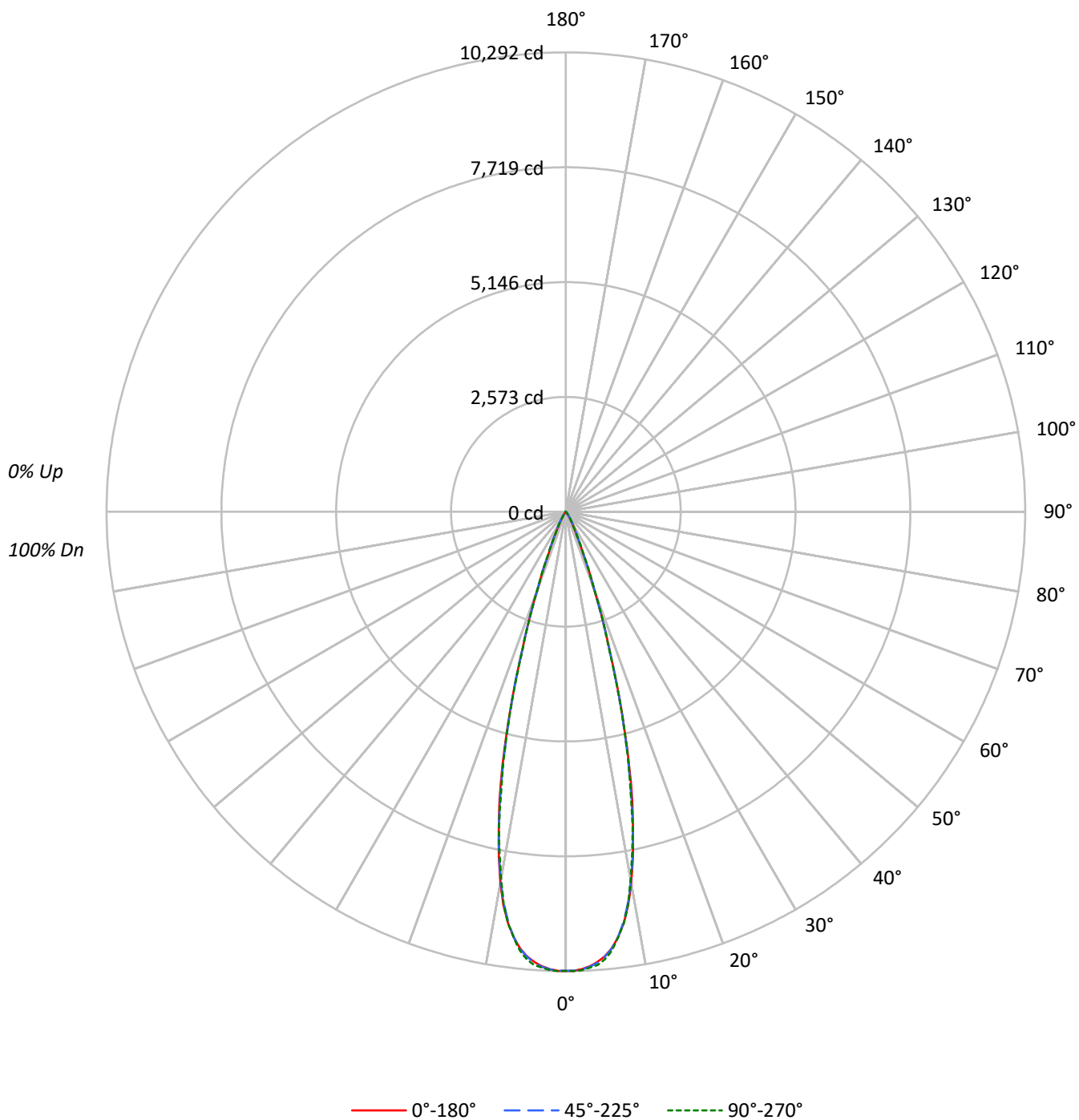
Lumens per Lamp: N/A
Luminaire Lumens: 2654.0 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1311770

CATALOG NUMBER: P3SQAS24R309050D010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1311770

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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°	1771396	1771396	1771396
5°	1728200	1730344	1739973
10°	1476018	1469162	1460488
15°	910871	900191	903507
20°	344246	346152	345768
25°	105902	116106	110615
30°	42696	54191	44327
35°	12594	23001	13014
40°	5103	9285	5103
45°	999	3020	999
50°	0	563	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: 3020 cd/sqm

TEST NUMBER: P1311770

CATALOG NUMBER: P3SQAS24R309050D010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	907.2	34.2
10°-20°	1343.2	50.6
20°-30°	333.2	12.6
30°-40°	62.5	2.4
40°-50°	7.9	0.3
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°	2583.5	97.3
0°-40°	2646.1	99.7
0°-60°	2654.0	100.0
0°-90°	2654.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2654.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10286	10286	10286	10286	10286	
5°	9996	9992	10009	10025	10065	908
15°	5109	5059	5049	5088	5067	1350
25°	557	594	611	609	582	321
35°	60	78	109	80	62	50
45°	4	6	12	8	4	5
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: P1311770

CATALOG NUMBER: P3SQAS24R309050D010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10285.5	10285.5	10285.5	10285.5	10285.5
1°	10289.6	10281.4	10281.4	10269.0	10291.7
2°	10252.5	10244.2	10258.7	10248.3	10277.2
3°	10196.7	10186.4	10207.1	10213.3	10227.7
4°	10114.2	10105.9	10128.6	10141.0	10180.2
5°	9996.5	9992.4	10008.9	10025.4	10064.6
6°	9835.5	9829.3	9839.6	9860.3	9885.1
7°	9602.3	9589.9	9598.1	9602.3	9608.5
8°	9307.1	9288.5	9278.2	9300.9	9313.3
9°	8927.3	8906.7	8884.0	8875.7	8904.6
10°	8440.2	8409.2	8401.0	8380.3	8351.4
11°	7874.6	7849.8	7843.6	7806.5	7790.0
12°	7226.5	7214.1	7228.5	7205.8	7197.6
13°	6605.2	6526.7	6516.4	6473.1	6450.4
14°	5870.3	5798.1	5796.0	5773.3	5804.3
15°	5108.7	5059.2	5048.8	5088.0	5067.4
17.5°	3257.2	3290.2	3281.9	3261.3	3226.2
20°	1878.3	1855.6	1888.7	1896.9	1886.6
22.5°	1001.1	1009.4	1015.5	1040.3	1056.8
25°	557.3	594.5	611.0	608.9	582.1
27.5°	346.8	369.5	400.4	379.8	357.1
30°	214.7	233.2	272.5	235.3	222.9
32.5°	115.6	146.6	175.4	146.6	119.7
35°	59.9	78.4	109.4	80.5	61.9
37.5°	39.2	45.4	70.2	45.4	39.2
40°	22.7	28.9	41.3	28.9	22.7
42.5°	10.3	16.5	22.7	16.5	10.3
45°	4.1	6.2	12.4	8.3	4.1
47.5°	0.0	2.1	6.2	2.1	0.0
50°	0.0	0.0	2.1	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: P1311770

CATALOG NUMBER: P3SQAS24R309050D010 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)