

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: P1316228

Luminaire Tested: P3SQAS13R259827DE010 E3SQPH1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316228
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R259827DE010 E3SQPH1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQPH1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

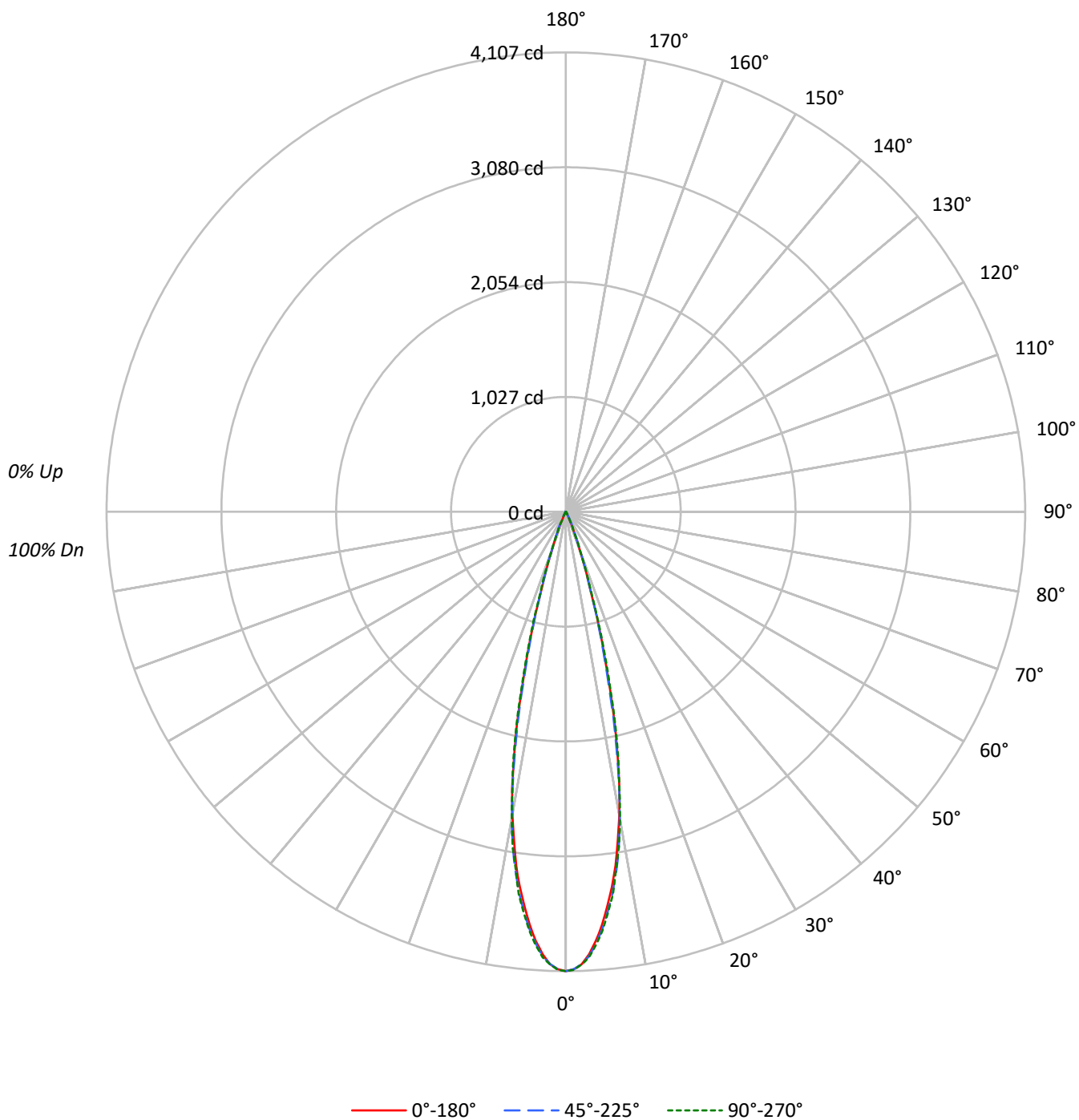
Lumens per Lamp: N/A
Luminaire Lumens: 758.0 lumens
Efficiency: N/A
Efficacy: 52.3 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	100	100
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	97	96	95	95	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	93	93
4	106	101	98	95	105	100	97	95	99	96	94	97	94	93	95	93	92	91	91	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	88	88	88
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	91	89	87	86	86	86
7	99	93	89	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85	85	85
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	85	84	83	83	83
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81	81	81
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	80	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	707353	707353	707353
5°	641006	646850	649996
10°	481880	485308	487546
15°	238598	231484	246907
20°	67390	68508	69241
25°	11687	22081	13872
30°	4574	4713	4832
35°	1430	1556	1556
40°	450	607	450
45°	341	170	341
50°	188	0	188
55°	210	0	210
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: 0°

Vertical Angle: 45°

Luminance: 341 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.3	43.0
10°-20°	368.0	48.5
20°-30°	57.1	7.5
30°-40°	5.8	0.8
40°-50°	0.8	0.1
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°	751.3	99.1
0°-40°	757.1	99.9
0°-60°	758.0	100.0
0°-90°	758.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	758.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4107	4107	4107	4107	4107	
5°	3708	3715	3742	3756	3760	323
15°	1338	1329	1298	1356	1385	367
25°	62	91	116	88	73	52
35°	7	7	7	8	7	5
45°	1	1	1	1	1	1
55°	1	0	0	0	1	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	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4107.2	4107.2	4107.2	4107.2	4107.2
1°	4090.3	4095.7	4089.7	4096.4	4095.7
2°	4047.8	4053.2	4045.7	4049.8	4049.8
3°	3960.6	3972.1	3978.8	3983.6	3987.6
4°	3845.7	3858.5	3868.7	3880.8	3880.8
5°	3707.8	3714.6	3741.6	3756.5	3759.8
6°	3543.6	3570.6	3590.9	3620.6	3602.4
7°	3379.3	3401.6	3430.0	3434.8	3447.6
8°	3192.8	3216.4	3242.8	3238.1	3227.3
9°	2965.7	3000.2	3031.3	3021.1	3034.6
10°	2755.5	2776.5	2775.1	2765.0	2787.9
11°	2511.5	2516.2	2489.9	2531.1	2506.1
12°	2222.2	2226.3	2192.5	2233.1	2258.7
13°	1945.1	1935.7	1889.0	1942.4	1974.9
14°	1626.1	1629.5	1570.0	1673.4	1665.3
15°	1338.2	1328.8	1298.3	1356.5	1384.8
17.5°	713.0	719.1	711.7	740.7	759.0
20°	367.7	377.8	373.8	385.9	377.8
22.5°	190.6	204.8	208.8	199.4	173.7
25°	61.5	91.2	116.2	88.5	73.0
27.5°	37.2	36.5	56.8	39.2	39.9
30°	23.0	22.3	23.7	23.7	24.3
32.5°	12.8	13.5	12.8	14.2	13.5
35°	6.8	7.4	7.4	8.1	7.4
37.5°	4.1	4.7	4.7	4.7	4.1
40°	2.0	2.7	2.7	2.0	2.0
42.5°	1.4	1.4	1.4	1.4	1.4
45°	1.4	0.7	0.7	0.7	1.4
47.5°	0.7	0.7	0.0	0.7	0.7
50°	0.7	0.7	0.0	0.7	0.7
52.5°	0.7	0.0	0.0	0.0	0.7
55°	0.7	0.0	0.0	0.0	0.7
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)