

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: P1312725

Luminaire Tested: P3SQAS20R259727D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312725
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259727D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

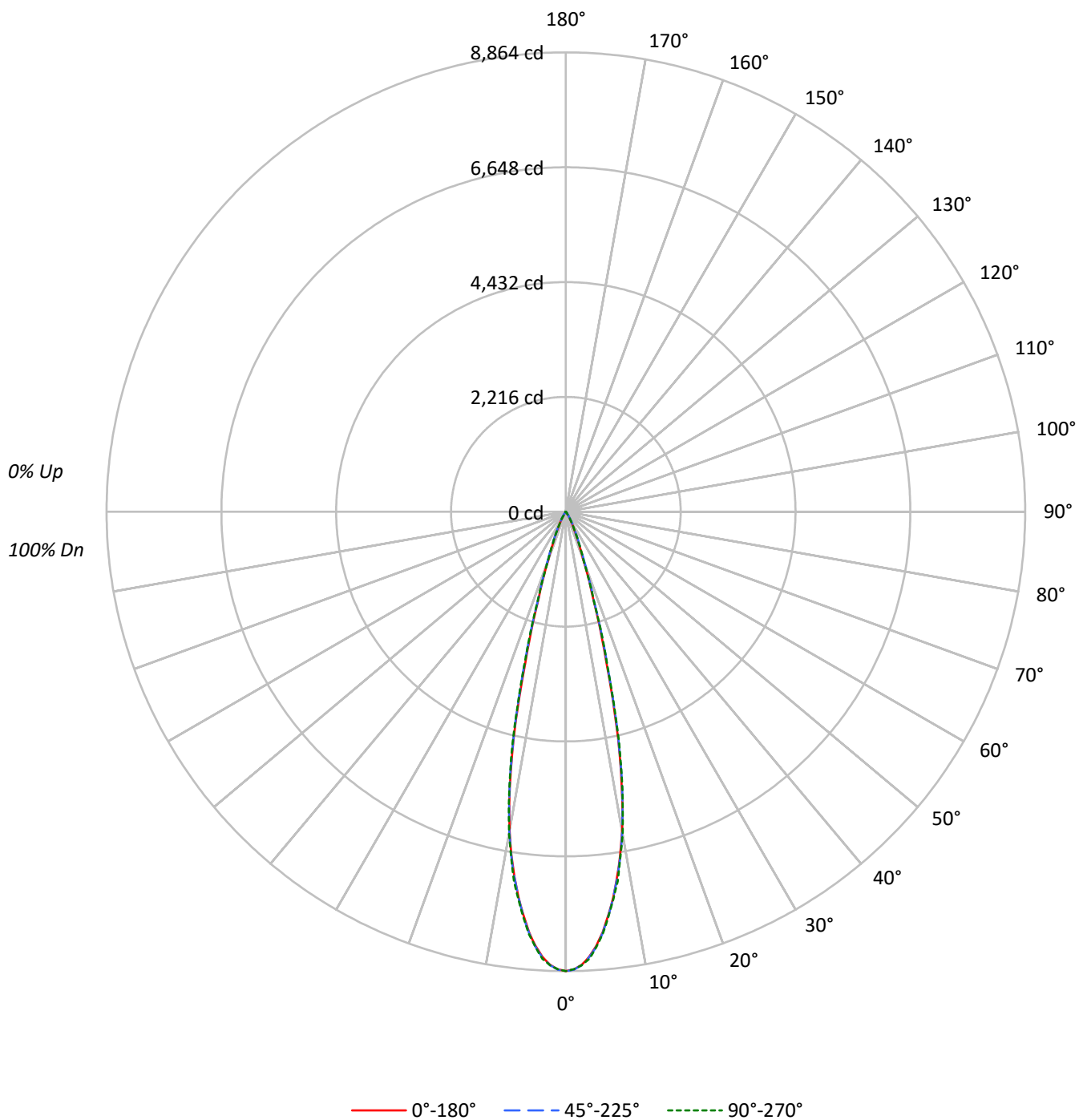
Lumens per Lamp: N/A
Luminaire Lumens: 1845.0 lumens
Efficiency: N/A
Efficacy: 64.1 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1526530	1526530	1526530
5°	1407558	1410739	1413678
10°	1092874	1096844	1102772
15°	540082	562798	563047
20°	181846	194052	185493
25°	75308	83650	77474
30°	29551	37148	29830
35°	7737	15180	8031
40°	2855	6048	2855
45°	341	1729	341
50°	0	375	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: 1729 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	718.2	38.9
10°-20°	868.7	47.1
20°-30°	212.1	11.5
30°-40°	41.2	2.2
40°-50°	4.7	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°	1799.1	97.5
0°-40°	1840.3	99.7
0°-60°	1845.0	100.0
0°-90°	1845.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1845.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8864	8864	8864	8864	8864	
5°	8142	8153	8160	8196	8177	716
15°	3029	3101	3156	3188	3158	853
25°	396	418	440	422	408	202
35°	37	52	72	52	38	33
45°	1	4	7	4	1	2
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°	8863.7	8863.7	8863.7	8863.7	8863.7
1°	8829.7	8835.4	8836.8	8845.3	8828.3
2°	8749.0	8750.4	8754.7	8771.7	8756.1
3°	8600.4	8610.3	8611.7	8634.4	8638.6
4°	8398.0	8403.7	8415.0	8453.2	8419.2
5°	8141.8	8153.1	8160.2	8195.6	8177.2
6°	7824.7	7827.6	7843.1	7884.2	7858.7
7°	7502.0	7500.6	7502.0	7534.6	7527.5
8°	7112.7	7105.7	7128.3	7167.9	7194.8
9°	6706.5	6716.4	6730.6	6768.8	6737.6
10°	6249.3	6276.2	6272.0	6274.8	6305.9
11°	5722.7	5731.2	5732.7	5762.4	5758.1
12°	5104.2	5104.2	5150.9	5199.0	5183.5
13°	4480.0	4523.8	4492.7	4502.6	4564.9
14°	3752.4	3786.4	3828.8	3868.5	3837.3
15°	3029.1	3101.3	3156.5	3187.6	3157.9
17.5°	1735.4	1759.4	1806.1	1811.8	1793.4
20°	992.2	1022.0	1058.8	1047.4	1012.1
22.5°	624.2	632.7	669.5	651.1	642.6
25°	396.3	417.6	440.2	421.8	407.7
27.5°	246.3	260.4	284.5	264.7	249.1
30°	148.6	161.4	186.8	159.9	150.0
32.5°	77.9	96.3	117.5	97.7	77.9
35°	36.8	52.4	72.2	52.4	38.2
37.5°	22.6	28.3	43.9	28.3	22.6
40°	12.7	18.4	26.9	18.4	12.7
42.5°	5.7	9.9	12.7	9.9	7.1
45°	1.4	4.2	7.1	4.2	1.4
47.5°	0.0	0.0	4.2	1.4	0.0
50°	0.0	0.0	1.4	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)