

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: P1307030

Luminaire Tested: P3SQAS17R259027DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307030
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: P3SQAS17R259027DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

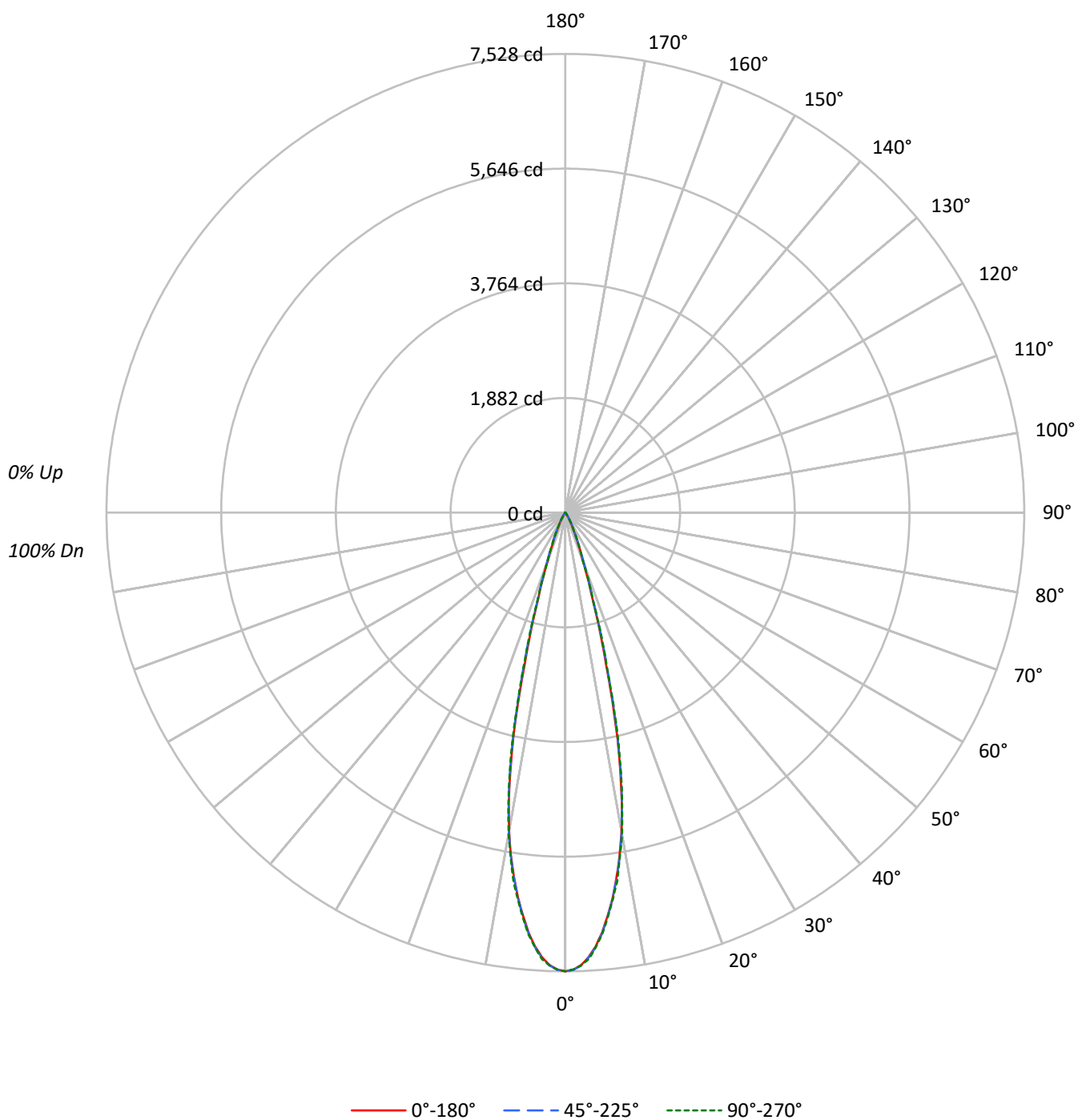
Lumens per Lamp: N/A
Luminaire Lumens: 1567.0 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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°	1296509	1296509	1296509
5°	1195469	1198166	1200672
10°	928208	931565	936619
15°	458707	477999	478213
20°	154446	164801	157544
25°	63963	71051	65787
30°	25097	31560	25335
35°	6581	12888	6833
40°	2428	5126	2428
45°	292	1461	292
50°	0	322	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: 1461 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	610.0	38.9
10°-20°	737.8	47.1
20°-30°	180.1	11.5
30°-40°	35.0	2.2
40°-50°	4.0	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°	1528.0	97.5
0°-40°	1563.0	99.7
0°-60°	1567.0	100.0
0°-90°	1567.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1567.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7528	7528	7528	7528	7528	
5°	6915	6925	6931	6961	6945	608
15°	2573	2634	2681	2707	2682	725
25°	337	355	374	358	346	171
35°	31	44	61	44	32	28
45°	1	4	6	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°	7528.1	7528.1	7528.1	7528.1	7528.1
1°	7499.3	7504.1	7505.3	7512.5	7498.1
2°	7430.7	7431.9	7435.6	7450.0	7436.8
3°	7304.5	7312.9	7314.1	7333.4	7337.0
4°	7132.6	7137.4	7147.0	7179.5	7150.6
5°	6915.0	6924.6	6930.6	6960.7	6945.1
6°	6645.7	6648.1	6661.3	6696.2	6674.6
7°	6371.6	6370.4	6371.6	6399.3	6393.3
8°	6041.0	6035.0	6054.2	6087.9	6110.7
9°	5696.0	5704.4	5716.4	5748.9	5722.4
10°	5307.7	5330.5	5326.9	5329.3	5355.8
11°	4860.5	4867.7	4868.9	4894.1	4890.5
12°	4335.1	4335.1	4374.8	4415.6	4402.4
13°	3804.9	3842.2	3815.8	3824.2	3877.1
14°	3187.0	3215.9	3251.9	3285.6	3259.1
15°	2572.7	2634.0	2680.9	2707.3	2682.1
17.5°	1473.9	1494.3	1534.0	1538.8	1523.2
20°	842.7	868.0	899.2	889.6	859.6
22.5°	530.2	537.4	568.6	553.0	545.8
25°	336.6	354.6	373.9	358.3	346.2
27.5°	209.2	221.2	241.6	224.8	211.6
30°	126.2	137.0	158.7	135.8	127.4
32.5°	66.1	81.7	99.8	83.0	66.1
35°	31.3	44.5	61.3	44.5	32.5
37.5°	19.2	24.0	37.3	24.0	19.2
40°	10.8	15.6	22.8	15.6	10.8
42.5°	4.8	8.4	10.8	8.4	6.0
45°	1.2	3.6	6.0	3.6	1.2
47.5°	0.0	0.0	3.6	1.2	0.0
50°	0.0	0.0	1.2	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)