

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: P1314520

Luminaire Tested: P3SQAS17R259735DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314520
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R259735DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

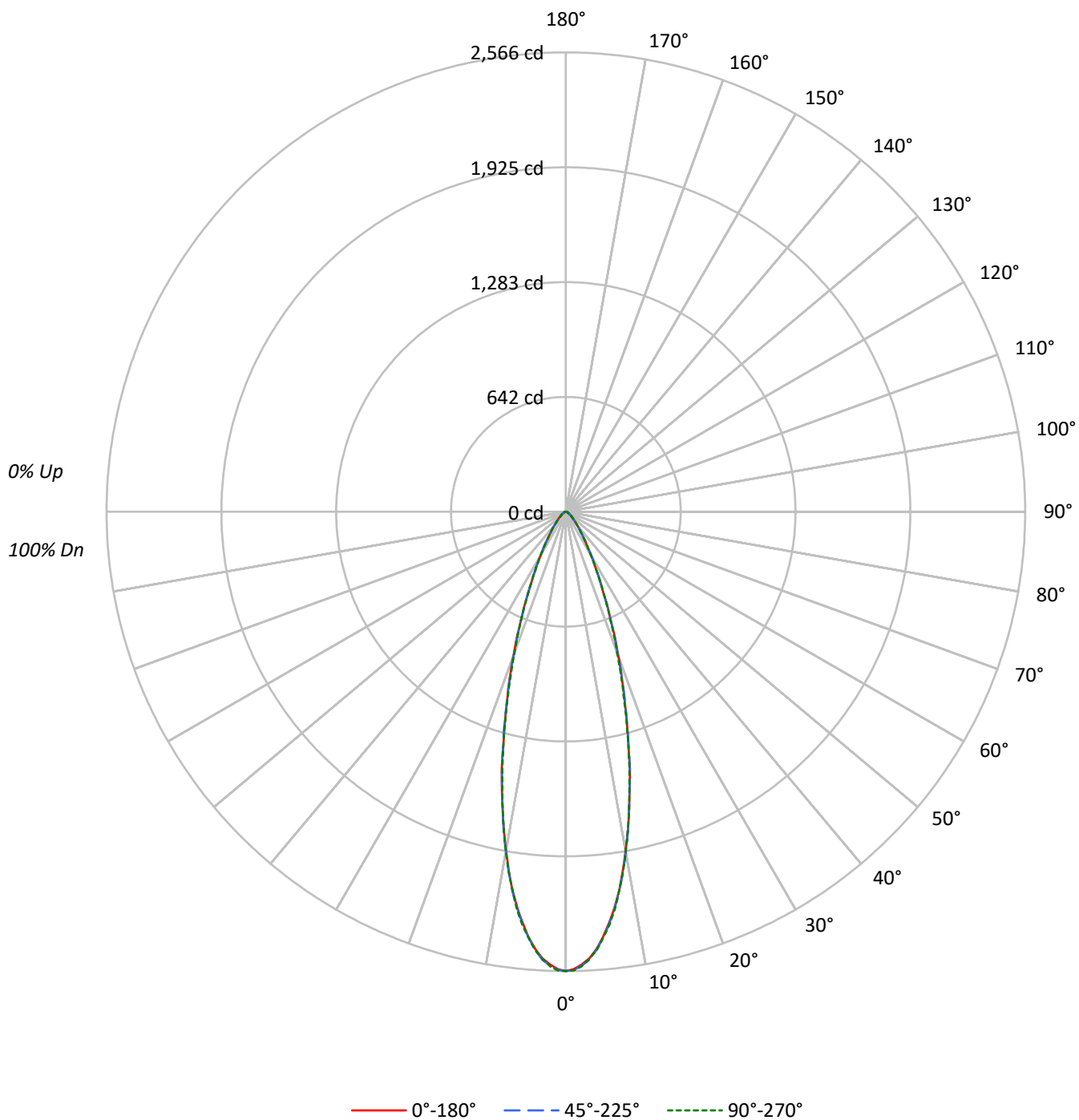
Lumens per Lamp: N/A
Luminaire Lumens: 1028.0 lumens
Efficiency: N/A
Efficacy: 48.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	441854	441854	441854
5°	412424	412839	413046
10°	336398	337447	337447
15°	240274	241558	240274
20°	157250	155711	153512
25°	93493	93949	93493
30°	56319	56319	56080
35°	34312	34564	34312
40°	21853	22122	22122
45°	15198	15198	15198
50°	10932	11253	11253
55°	8648	8648	9008
60°	7027	7440	7440
65°	6357	6357	6357
70°	5438	5438	6043
75°	4791	4791	5590
80°	4761	4761	4761
85°	2371	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15198 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.2	20.7
10°-20°	371.6	36.2
20°-30°	233.6	22.7
30°-40°	106.9	10.4
40°-50°	49.9	4.9
50°-60°	26.8	2.6
60°-70°	15.8	1.5
70°-80°	8.2	0.8
80°-90°	1.8	0.2
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°	818.5	79.6
0°-40°	925.3	90.0
0°-60°	1002.1	97.5
0°-90°	1028.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1028.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2566	2566	2566	2566	2566	
5°	2386	2390	2388	2390	2389	213
15°	1348	1356	1355	1357	1348	372
25°	492	498	494	494	492	234
35°	163	163	164	164	163	107
45°	62	62	62	62	62	49
55°	29	29	29	30	30	26
65°	16	16	16	16	16	15
75°	7	7	7	8	8	8
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2565.6	2565.6	2565.6	2565.6	2565.6
1°	2554.8	2557.2	2559.6	2563.2	2562.0
2°	2530.8	2535.6	2536.8	2541.6	2540.4
3°	2498.4	2497.2	2506.8	2506.8	2500.8
4°	2448.0	2450.4	2452.8	2455.2	2456.4
5°	2385.6	2390.4	2388.0	2390.4	2389.2
6°	2308.8	2316.0	2314.8	2317.2	2320.8
7°	2227.2	2232.0	2232.0	2229.6	2239.2
8°	2138.4	2134.8	2140.8	2138.4	2137.2
9°	2032.8	2040.0	2041.2	2035.2	2037.6
10°	1923.6	1928.4	1929.6	1933.2	1929.6
11°	1815.6	1815.6	1818.0	1824.0	1814.4
12°	1698.0	1708.8	1698.0	1702.8	1698.0
13°	1586.4	1588.8	1586.4	1585.2	1576.8
14°	1480.8	1472.4	1474.8	1465.2	1466.4
15°	1347.6	1356.0	1354.8	1357.2	1347.6
17.5°	1083.6	1088.4	1087.2	1084.8	1072.8
20°	858.0	858.0	849.6	844.8	837.6
22.5°	655.2	652.8	649.2	645.6	648.0
25°	492.0	498.0	494.4	494.4	492.0
27.5°	372.0	379.2	373.2	369.6	372.0
30°	283.2	285.6	283.2	282.0	282.0
32.5°	213.6	214.8	213.6	213.6	213.6
35°	163.2	163.2	164.4	164.4	163.2
37.5°	126.0	126.0	126.0	126.0	127.2
40°	97.2	98.4	98.4	98.4	98.4
42.5°	76.8	78.0	78.0	78.0	78.0
45°	62.4	62.4	62.4	62.4	62.4
47.5°	50.4	50.4	50.4	50.4	51.6
50°	40.8	42.0	42.0	42.0	42.0
52.5°	34.8	34.8	34.8	34.8	34.8
55°	28.8	28.8	28.8	30.0	30.0
57.5°	24.0	24.0	25.2	25.2	25.2
60°	20.4	21.6	21.6	21.6	21.6
62.5°	18.0	18.0	19.2	19.2	19.2
65°	15.6	15.6	15.6	15.6	15.6
67.5°	13.2	13.2	13.2	13.2	14.4
70°	10.8	10.8	10.8	12.0	12.0
72.5°	9.6	9.6	9.6	9.6	9.6
75°	7.2	7.2	7.2	8.4	8.4
77.5°	6.0	6.0	6.0	6.0	6.0
80°	4.8	4.8	4.8	4.8	4.8
82.5°	2.4	2.4	3.6	3.6	3.6
85°	1.2	1.2	1.2	1.2	1.2
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)