

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: P1312765

Luminaire Tested: P3SQAS20R359727D010 E3SQPHL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312765
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359727D010 E3SQPHL1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQPHL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

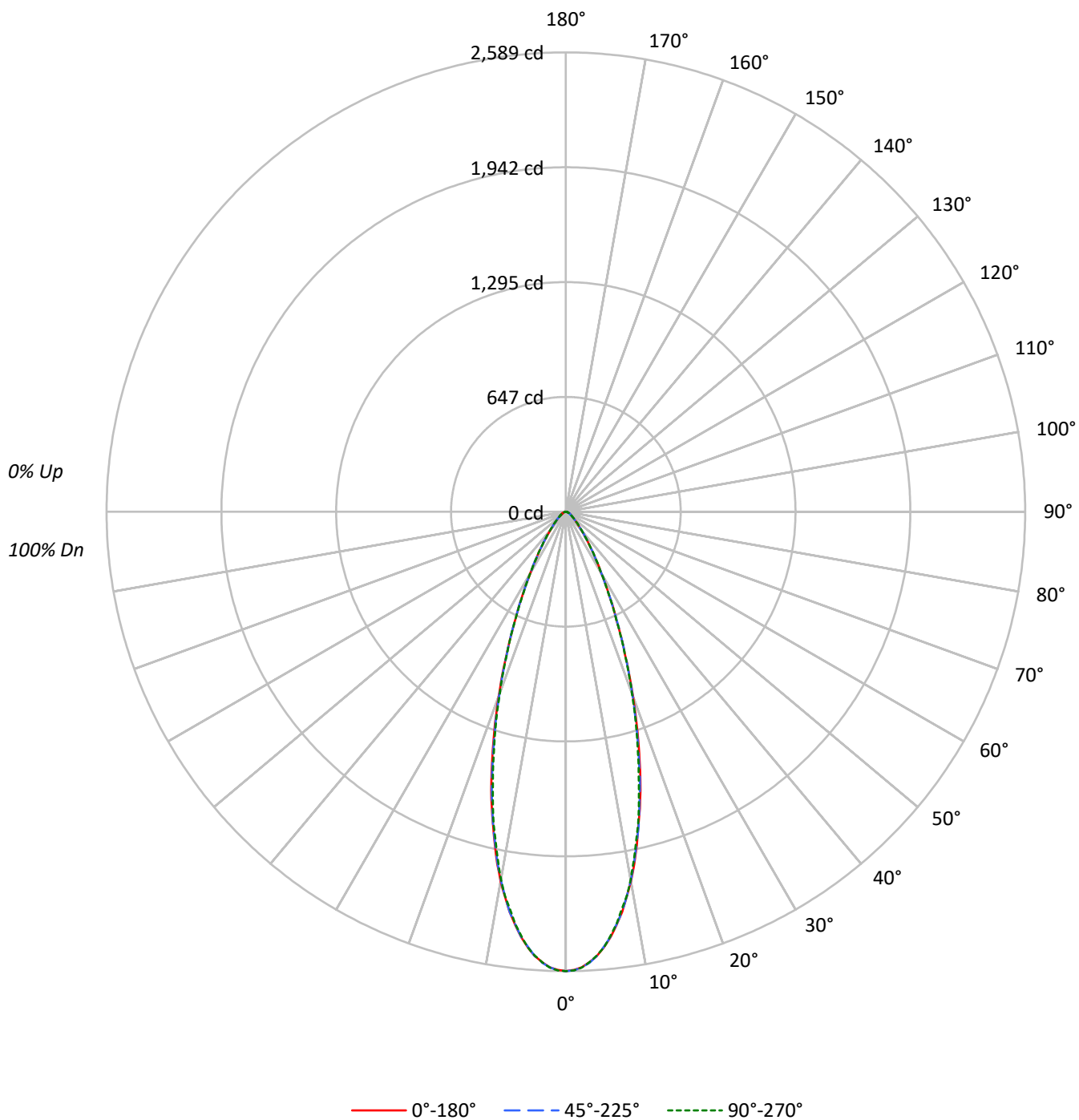
Lumens per Lamp: N/A
Luminaire Lumens: 1277.0 lumens
Efficiency: N/A
Efficacy: 44.3 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	96	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	445953	445953	445953
5°	426116	425390	426116
10°	369940	368698	368191
15°	289877	287595	283066
20°	202794	200980	199679
25°	128800	129598	128800
30°	79347	79904	79347
35°	49092	49387	49387
40°	31183	31497	31497
45°	21019	21360	21701
50°	15165	15540	15540
55°	11890	11890	11890
60°	9748	9748	9748
65°	8639	8639	8639
70°	7855	7855	7855
75°	6588	6588	6588
80°	5653	5653	5653
85°	2766	2766	5533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 21701 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.8	17.5
10°-20°	440.6	34.5
20°-30°	317.9	24.9
30°-40°	153.3	12.0
40°-50°	70.6	5.5
50°-60°	36.5	2.9
60°-70°	21.1	1.7
70°-80°	10.7	0.8
80°-90°	2.5	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°	982.3	76.9
0°-40°	1135.5	88.9
0°-60°	1242.7	97.3
0°-90°	1277.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1277.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2589	2589	2589	2589	2589	
5°	2465	2470	2461	2462	2465	224
15°	1626	1623	1613	1606	1588	443
25°	678	679	682	682	678	318
35°	234	234	235	235	235	152
45°	86	88	88	89	89	70
55°	40	40	40	40	40	36
65°	21	21	21	21	21	21
75°	10	10	10	10	10	11
85°	1	1	1	1	3	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2589.4	2589.4	2589.4	2589.4	2589.4
1°	2582.3	2586.5	2585.1	2586.5	2585.1
2°	2569.6	2572.4	2569.6	2571.0	2571.0
3°	2542.7	2545.5	2545.5	2544.1	2542.7
4°	2510.1	2517.2	2510.1	2511.5	2507.3
5°	2464.8	2470.5	2460.6	2462.0	2464.8
6°	2409.7	2411.1	2408.2	2406.8	2404.0
7°	2346.0	2351.7	2341.7	2343.2	2340.3
8°	2278.1	2276.7	2276.7	2271.0	2262.5
9°	2196.0	2201.7	2193.2	2190.3	2191.8
10°	2115.4	2115.4	2108.3	2101.2	2105.4
11°	2023.4	2020.6	2016.3	2006.4	2003.6
12°	1922.9	1928.6	1915.8	1911.6	1901.7
13°	1819.6	1828.1	1822.5	1806.9	1808.3
14°	1723.4	1717.8	1713.5	1710.7	1700.8
15°	1625.8	1623.0	1613.0	1606.0	1587.6
17.5°	1358.4	1361.2	1342.8	1340.0	1332.9
20°	1106.5	1098.0	1096.6	1098.0	1089.5
22.5°	873.0	881.5	871.6	873.0	867.4
25°	677.8	679.2	682.0	682.0	677.8
27.5°	526.4	526.4	523.5	526.4	522.1
30°	399.0	399.0	401.8	404.7	399.0
32.5°	308.5	308.5	308.5	309.9	311.3
35°	233.5	233.5	234.9	234.9	234.9
37.5°	179.7	181.1	182.5	182.5	182.5
40°	138.7	140.1	140.1	141.5	140.1
42.5°	110.4	110.4	110.4	111.8	111.8
45°	86.3	87.7	87.7	89.1	89.1
47.5°	70.7	70.7	70.7	72.2	72.2
50°	56.6	58.0	58.0	58.0	58.0
52.5°	46.7	46.7	48.1	48.1	48.1
55°	39.6	39.6	39.6	39.6	39.6
57.5°	32.5	34.0	34.0	34.0	34.0
60°	28.3	28.3	28.3	28.3	28.3
62.5°	24.1	24.1	24.1	24.1	24.1
65°	21.2	21.2	21.2	21.2	21.2
67.5°	17.0	18.4	18.4	18.4	18.4
70°	15.6	15.6	15.6	15.6	15.6
72.5°	11.3	12.7	12.7	12.7	12.7
75°	9.9	9.9	9.9	9.9	9.9
77.5°	8.5	7.1	7.1	7.1	8.5
80°	5.7	5.7	5.7	5.7	5.7
82.5°	4.2	4.2	4.2	4.2	4.2
85°	1.4	1.4	1.4	1.4	2.8
87.5°	0.0	0.0	0.0	1.4	1.4



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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)