

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: P1306100

Luminaire Tested: P3SQAS17R359024DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306100
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: P3SQAS17R359024DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

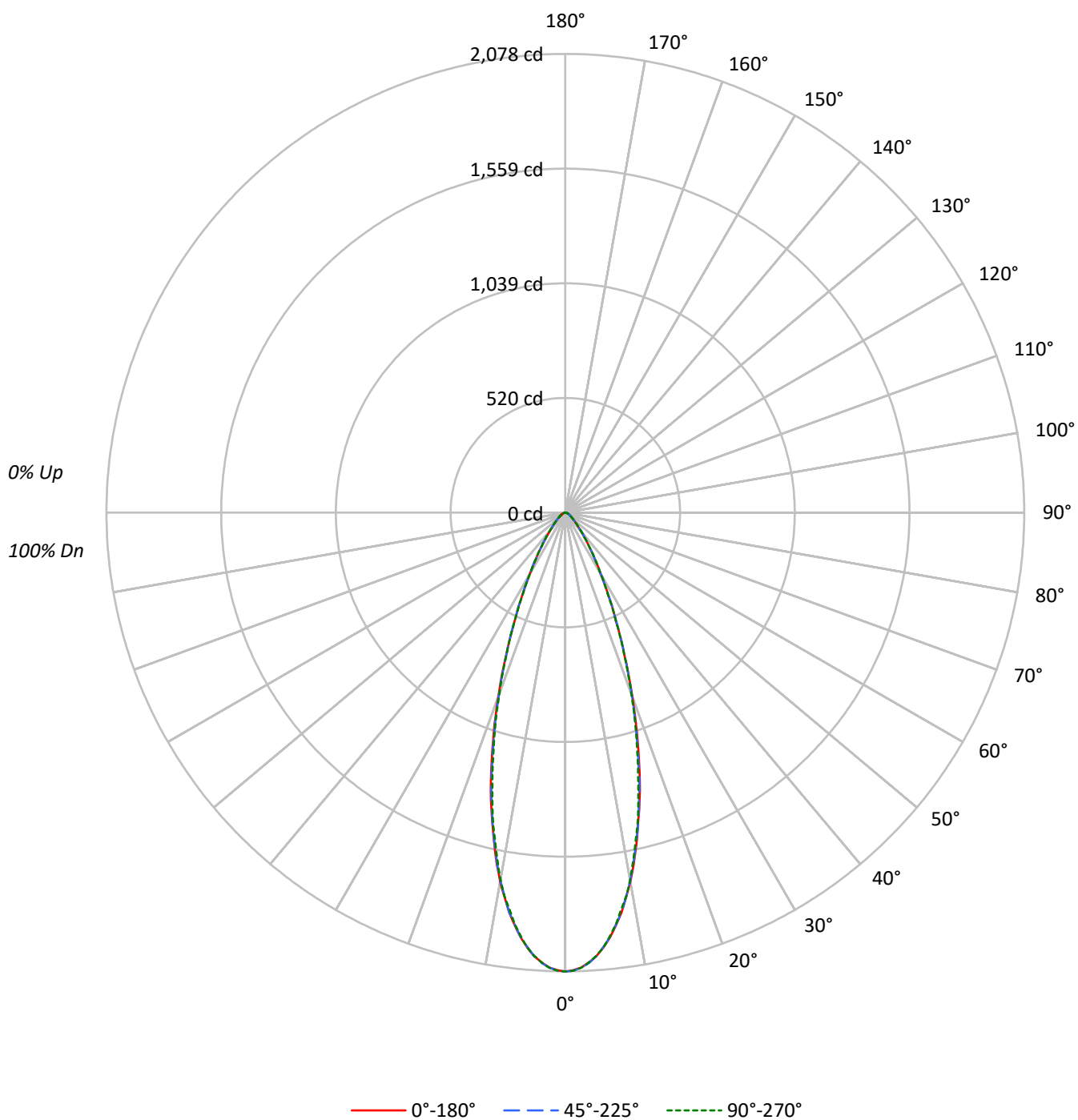
Lumens per Lamp: N/A
Luminaire Lumens: 1025.0 lumens
Efficiency: N/A
Efficacy: 48.3 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	97	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°	357948	357948	357948
5°	342027	341439	342027
10°	296928	295931	295546
15°	232679	230842	227205
20°	162767	161319	160274
25°	103375	104021	103375
30°	63697	64134	63697
35°	39400	39631	39631
40°	25023	25270	25270
45°	16879	17147	17439
50°	12164	12486	12486
55°	9548	9548	9548
60°	7819	7819	7819
65°	6928	6928	6928
70°	6294	6294	6294
75°	5323	5323	5323
80°	4463	4463	4463
85°	2174	2174	4545

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 17439 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.6	17.5
10°-20°	353.6	34.5
20°-30°	255.2	24.9
30°-40°	123.0	12.0
40°-50°	56.7	5.5
50°-60°	29.3	2.9
60°-70°	16.9	1.7
70°-80°	8.6	0.8
80°-90°	2.0	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°	788.4	76.9
0°-40°	911.4	88.9
0°-60°	997.5	97.3
0°-90°	1025.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1025.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2078	2078	2078	2078	2078	
5°	1978	1983	1975	1976	1978	180
15°	1305	1303	1295	1289	1274	356
25°	544	545	547	547	544	255
35°	187	187	188	188	188	122
45°	69	70	70	72	72	56
55°	32	32	32	32	32	29
65°	17	17	17	17	17	17
75°	8	8	8	8	8	9
85°	1	1	1	1	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2078.4	2078.4	2078.4	2078.4	2078.4
1°	2072.7	2076.1	2075.0	2076.1	2075.0
2°	2062.5	2064.8	2062.5	2063.6	2063.6
3°	2040.9	2043.2	2043.2	2042.0	2040.9
4°	2014.8	2020.5	2014.8	2015.9	2012.5
5°	1978.4	1983.0	1975.0	1976.2	1978.4
6°	1934.1	1935.3	1933.0	1931.9	1929.6
7°	1883.0	1887.6	1879.6	1880.8	1878.5
8°	1828.5	1827.4	1827.4	1822.8	1816.0
9°	1762.7	1767.2	1760.4	1758.1	1759.2
10°	1697.9	1697.9	1692.2	1686.6	1690.0
11°	1624.1	1621.8	1618.4	1610.5	1608.2
12°	1543.5	1548.0	1537.8	1534.4	1526.4
13°	1460.5	1467.4	1462.8	1450.3	1451.5
14°	1383.3	1378.8	1375.4	1373.1	1365.1
15°	1305.0	1302.7	1294.7	1289.1	1274.3
17.5°	1090.3	1092.6	1077.8	1075.5	1069.9
20°	888.1	881.3	880.2	881.3	874.5
22.5°	700.7	707.6	699.6	700.7	696.2
25°	544.0	545.2	547.4	547.4	544.0
27.5°	422.5	422.5	420.2	422.5	419.1
30°	320.3	320.3	322.5	324.8	320.3
32.5°	247.6	247.6	247.6	248.7	249.9
35°	187.4	187.4	188.5	188.5	188.5
37.5°	144.2	145.4	146.5	146.5	146.5
40°	111.3	112.4	112.4	113.6	112.4
42.5°	88.6	88.6	88.6	89.7	89.7
45°	69.3	70.4	70.4	71.6	71.6
47.5°	56.8	56.8	56.8	57.9	57.9
50°	45.4	46.6	46.6	46.6	46.6
52.5°	37.5	37.5	38.6	38.6	38.6
55°	31.8	31.8	31.8	31.8	31.8
57.5°	26.1	27.3	27.3	27.3	27.3
60°	22.7	22.7	22.7	22.7	22.7
62.5°	19.3	19.3	19.3	19.3	19.3
65°	17.0	17.0	17.0	17.0	17.0
67.5°	13.6	14.8	14.8	14.8	14.8
70°	12.5	12.5	12.5	12.5	12.5
72.5°	9.1	10.2	10.2	10.2	10.2
75°	8.0	8.0	8.0	8.0	8.0
77.5°	6.8	5.7	5.7	5.7	6.8
80°	4.5	4.5	4.5	4.5	4.5
82.5°	3.4	3.4	3.4	3.4	3.4
85°	1.1	1.1	1.1	1.1	2.3
87.5°	0.0	0.0	0.0	1.1	1.1



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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)