

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: P1316396

Luminaire Tested: P3SQAS17R309827DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316396
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R309827DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

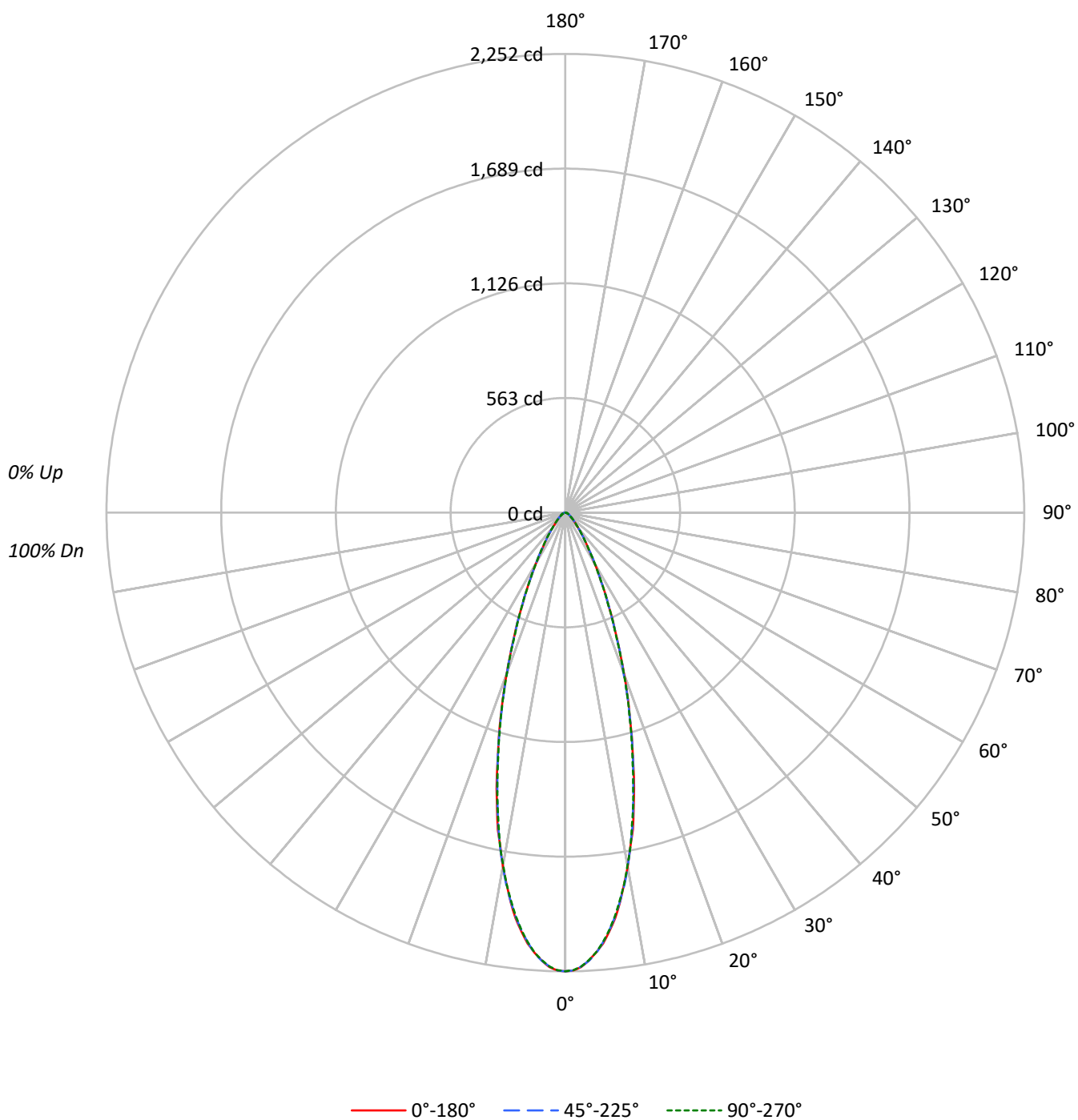
Lumens per Lamp: N/A
Luminaire Lumens: 989.0 lumens
Efficiency: N/A
Efficacy: 48.5 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94			
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	88			
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83			
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	78			
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74			
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	70			
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	66			
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	63			
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	61			
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	58			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	387845	387845	387845
5°	367181	366247	366057
10°	308470	308470	307333
15°	229826	229238	227883
20°	153823	153017	153218
25°	94823	94614	95032
30°	57015	57015	57234
35°	34964	34964	35195
40°	22145	22145	22639
45°	15198	15466	15466
50°	11146	11146	11146
55°	8557	8858	8858
60°	7164	7164	7543
65°	6235	6235	6235
70°	5489	6043	6043
75°	5124	5124	5124
80°	4364	4364	4364
85°	2174	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 15466 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.9	19.3
10°-20°	352.5	35.6
20°-30°	234.3	23.7
30°-40°	108.3	11.0
40°-50°	50.3	5.1
50°-60°	26.9	2.7
60°-70°	15.7	1.6
70°-80°	8.3	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°	777.7	78.6
0°-40°	886.1	89.6
0°-60°	963.2	97.4
0°-90°	989.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	989.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2252	2252	2252	2252	2252	
5°	2124	2120	2118	2124	2117	191
15°	1289	1293	1286	1286	1278	354
25°	499	498	498	498	500	235
35°	166	165	166	167	167	108
45°	62	62	64	64	64	50
55°	28	30	30	30	30	26
65°	15	15	15	15	15	15
75°	8	8	8	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°	2252.0	2252.0	2252.0	2252.0	2252.0
1°	2247.6	2245.4	2247.6	2250.9	2246.5
2°	2232.3	2230.1	2230.1	2234.4	2230.1
3°	2202.7	2204.9	2203.8	2208.2	2200.5
4°	2165.5	2164.4	2168.8	2171.0	2164.4
5°	2123.9	2119.6	2118.5	2123.9	2117.4
6°	2067.0	2063.7	2061.6	2068.1	2059.4
7°	2005.8	2003.6	2000.3	2002.5	1995.9
8°	1930.2	1929.2	1927.0	1929.2	1921.5
9°	1846.0	1846.0	1850.4	1849.3	1844.9
10°	1763.9	1766.1	1763.9	1766.1	1757.4
11°	1672.0	1672.0	1674.2	1673.1	1674.2
12°	1592.1	1583.4	1581.2	1579.0	1572.4
13°	1489.3	1482.7	1480.5	1482.7	1479.4
14°	1395.2	1390.8	1379.8	1382.0	1377.7
15°	1289.0	1293.4	1285.7	1285.7	1278.1
17.5°	1053.8	1049.4	1051.6	1052.7	1049.4
20°	839.3	837.1	834.9	832.7	836.0
22.5°	652.2	653.3	651.1	648.9	646.7
25°	499.0	497.9	497.9	497.9	500.1
27.5°	378.6	378.6	378.6	379.7	379.7
30°	286.7	284.5	286.7	287.8	287.8
32.5°	214.5	216.7	217.8	217.8	217.8
35°	166.3	165.2	166.3	167.4	167.4
37.5°	126.9	126.9	128.0	128.0	129.1
40°	98.5	98.5	98.5	99.6	100.7
42.5°	77.7	77.7	78.8	78.8	79.9
45°	62.4	62.4	63.5	63.5	63.5
47.5°	50.3	50.3	51.4	51.4	51.4
50°	41.6	41.6	41.6	41.6	41.6
52.5°	35.0	33.9	35.0	35.0	35.0
55°	28.5	29.5	29.5	29.5	29.5
57.5°	24.1	25.2	25.2	25.2	25.2
60°	20.8	20.8	20.8	21.9	21.9
62.5°	17.5	18.6	18.6	18.6	18.6
65°	15.3	15.3	15.3	15.3	15.3
67.5°	13.1	13.1	13.1	13.1	14.2
70°	10.9	10.9	12.0	12.0	12.0
72.5°	9.8	9.8	9.8	9.8	9.8
75°	7.7	7.7	7.7	7.7	7.7
77.5°	5.5	5.5	6.6	6.6	5.5
80°	4.4	4.4	4.4	4.4	4.4
82.5°	3.3	3.3	3.3	3.3	3.3
85°	1.1	1.1	1.1	1.1	1.1
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)