

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: P1306898

Luminaire Tested: P3SQAS13R309027DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306898
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: P3SQAS13R309027DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

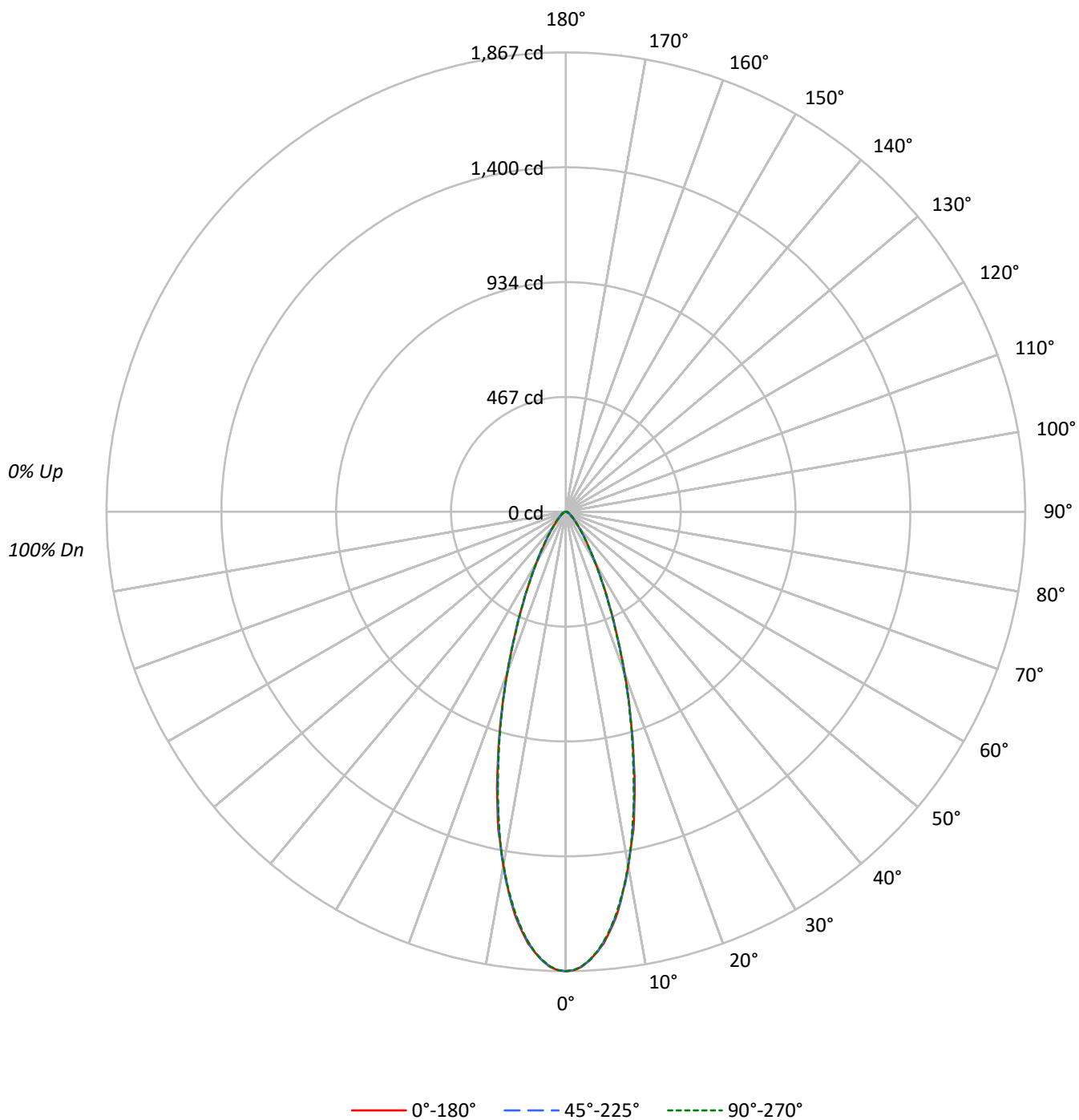
Lumens per Lamp: N/A
Luminaire Lumens: 820.0 lumens
Efficiency: N/A
Efficacy: 56.2 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	321557	321557	321557
5°	304443	303665	303492
10°	255761	255761	254817
15°	190565	190066	188942
20°	127541	126863	127028
25°	78614	78443	78785
30°	47270	47270	47449
35°	28993	28993	29182
40°	18368	18368	18773
45°	12592	12811	12811
50°	9244	9244	9244
55°	7086	7356	7356
60°	5924	5924	6234
65°	5175	5175	5175
70°	4582	5035	5035
75°	4259	4259	4259
80°	3570	3570	3570
85°	1778	1778	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 12811 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.3	19.3
10°-20°	292.3	35.6
20°-30°	194.3	23.7
30°-40°	89.8	11.0
40°-50°	41.7	5.1
50°-60°	22.3	2.7
60°-70°	13.0	1.6
70°-80°	6.9	0.8
80°-90°	1.5	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°	644.8	78.6
0°-40°	734.6	89.6
0°-60°	798.6	97.4
0°-90°	820.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	820.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1867	1867	1867	1867	1867	
5°	1761	1757	1756	1761	1756	158
15°	1069	1072	1066	1066	1060	293
25°	414	413	413	413	415	195
35°	138	137	138	139	139	89
45°	52	52	53	53	53	41
55°	24	24	24	24	24	22
65°	13	13	13	13	13	13
75°	6	6	6	6	6	7
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1867.1	1867.1	1867.1	1867.1	1867.1
1°	1863.5	1861.7	1863.5	1866.2	1862.6
2°	1850.8	1849.0	1849.0	1852.6	1849.0
3°	1826.3	1828.1	1827.2	1830.9	1824.5
4°	1795.5	1794.6	1798.2	1800.0	1794.6
5°	1761.0	1757.4	1756.5	1761.0	1755.5
6°	1713.8	1711.1	1709.3	1714.7	1707.5
7°	1663.0	1661.2	1658.5	1660.3	1654.8
8°	1600.4	1599.5	1597.7	1599.5	1593.2
9°	1530.5	1530.5	1534.2	1533.3	1529.6
10°	1462.5	1464.3	1462.5	1464.3	1457.1
11°	1386.3	1386.3	1388.1	1387.2	1388.1
12°	1320.1	1312.8	1311.0	1309.2	1303.7
13°	1234.8	1229.3	1227.5	1229.3	1226.6
14°	1156.8	1153.1	1144.1	1145.9	1142.2
15°	1068.8	1072.4	1066.0	1066.0	1059.7
17.5°	873.7	870.1	871.9	872.8	870.1
20°	695.9	694.1	692.2	690.4	693.1
22.5°	540.7	541.6	539.8	538.0	536.2
25°	413.7	412.8	412.8	412.8	414.6
27.5°	313.9	313.9	313.9	314.8	314.8
30°	237.7	235.9	237.7	238.6	238.6
32.5°	177.8	179.6	180.5	180.5	180.5
35°	137.9	137.0	137.9	138.8	138.8
37.5°	105.2	105.2	106.1	106.1	107.1
40°	81.7	81.7	81.7	82.6	83.5
42.5°	64.4	64.4	65.3	65.3	66.2
45°	51.7	51.7	52.6	52.6	52.6
47.5°	41.7	41.7	42.6	42.6	42.6
50°	34.5	34.5	34.5	34.5	34.5
52.5°	29.0	28.1	29.0	29.0	29.0
55°	23.6	24.5	24.5	24.5	24.5
57.5°	20.0	20.9	20.9	20.9	20.9
60°	17.2	17.2	17.2	18.1	18.1
62.5°	14.5	15.4	15.4	15.4	15.4
65°	12.7	12.7	12.7	12.7	12.7
67.5°	10.9	10.9	10.9	10.9	11.8
70°	9.1	9.1	10.0	10.0	10.0
72.5°	8.2	8.2	8.2	8.2	8.2
75°	6.4	6.4	6.4	6.4	6.4
77.5°	4.5	4.5	5.4	5.4	4.5
80°	3.6	3.6	3.6	3.6	3.6
82.5°	2.7	2.7	2.7	2.7	2.7
85°	0.9	0.9	0.9	0.9	0.9
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)