

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: P1309536

Luminaire Tested: P3SQAS24R159035D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309536
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R159035D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

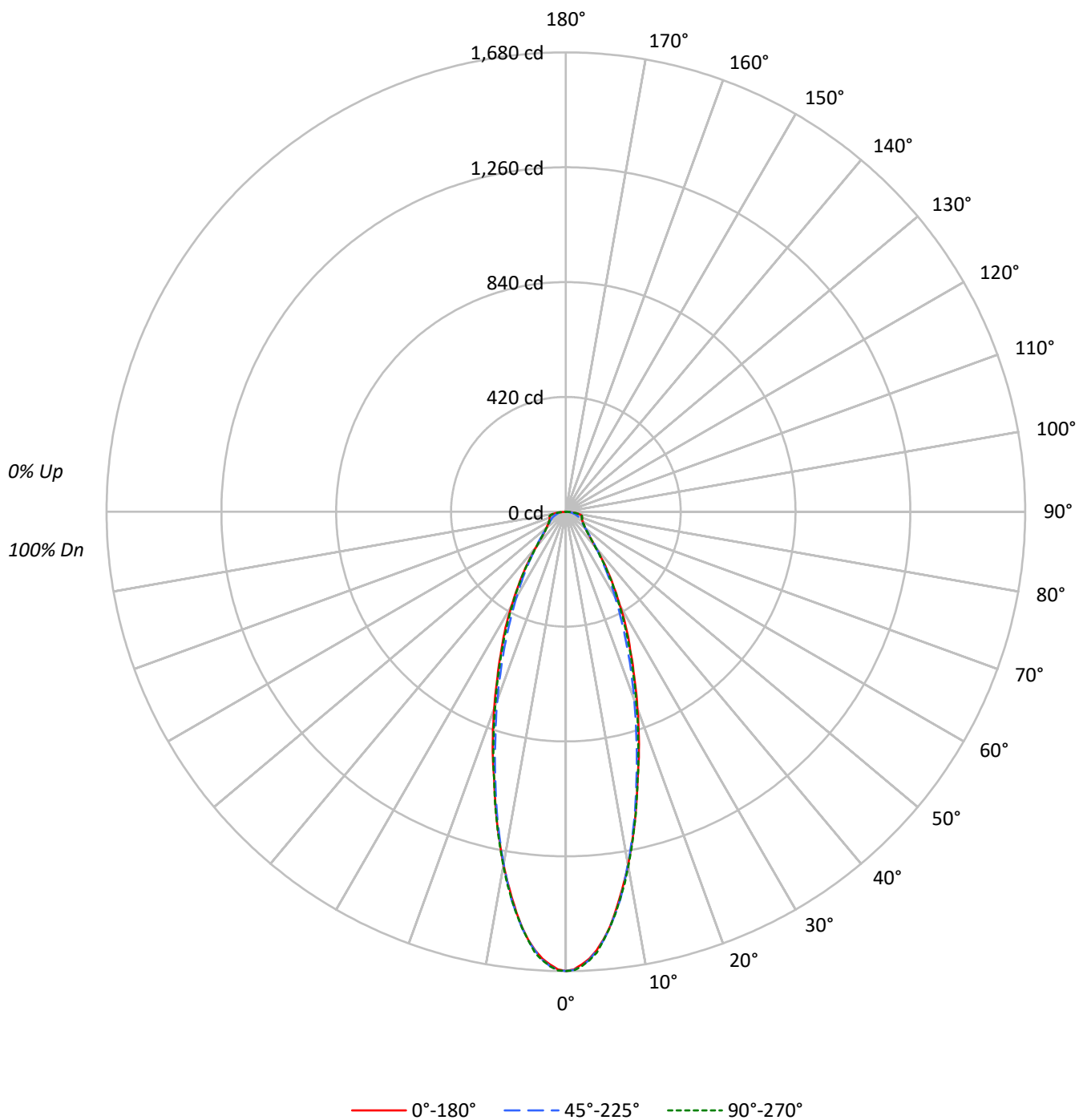
Lumens per Lamp: N/A
Luminaire Lumens: 1126.0 lumens
Efficiency: N/A
Efficacy: 39.1 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	111	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	98	90	84	79	96	88	83	78	86	81	77		83	79	76		81
4	92	83	76	71	90	82	76	71	80	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67
7	78	68	61	56	77	67	60	56	66	60	56		64	59	55		63
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	71	60	54	49	70	60	53	49	59	53	49		58	53	49		57
10	68	57	51	47	67	57	51	47	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	289282	289282	289282
5°	271682	272027	272027
10°	229494	228777	230211
15°	180491	177941	180848
20°	140261	133901	138391
25°	105883	98510	104325
30°	78731	71830	77120
35°	56220	52351	55358
40°	38085	38534	37635
45°	28326	29836	28326
50°	24596	24596	24596
55°	23901	22670	23901
60°	24593	22492	23905
65°	26611	23269	26611
70°	31874	23616	31874
75°	40724	24421	40724
80°	50581	26282	48598
85°	40311	24108	44263

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 50581 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.7	12.6
10°-20°	280.0	24.9
20°-30°	247.5	22.0
30°-40°	162.6	14.4
40°-50°	95.0	8.4
50°-60°	70.0	6.2
60°-70°	59.6	5.3
70°-80°	49.2	4.4
80°-90°	20.3	1.8
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°	669.2	59.4
0°-40°	831.8	73.9
0°-60°	996.8	88.5
0°-90°	1126.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1126.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1680	1680	1680	1680	1680	
5°	1572	1572	1574	1576	1574	141
15°	1012	1012	998	1010	1014	283
25°	557	539	518	533	549	258
35°	267	257	249	255	263	169
45°	116	118	122	118	116	94
55°	80	78	76	78	80	72
65°	65	59	57	59	65	65
75°	61	45	37	47	61	63
85°	20	22	12	20	22	23
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1679.7	1679.7	1679.7	1679.7	1679.7
1°	1673.5	1675.6	1675.6	1677.6	1677.6
2°	1657.2	1661.3	1663.3	1663.3	1663.3
3°	1636.8	1638.8	1640.9	1642.9	1642.9
4°	1608.2	1610.3	1610.3	1614.3	1616.4
5°	1571.5	1571.5	1573.5	1575.6	1573.5
6°	1528.6	1528.6	1530.7	1530.7	1530.7
7°	1477.6	1479.6	1481.7	1483.7	1481.7
8°	1422.5	1424.5	1430.7	1430.7	1428.6
9°	1367.4	1369.4	1369.4	1375.6	1375.6
10°	1312.3	1312.3	1308.2	1312.3	1316.4
12.5°	1163.3	1161.3	1155.1	1161.3	1165.3
15°	1012.3	1012.3	998.0	1010.2	1014.3
17.5°	889.8	871.5	857.2	869.4	879.6
20°	765.3	747.0	730.6	742.9	755.1
22.5°	653.1	638.8	618.4	630.6	644.9
25°	557.2	538.8	518.4	532.7	549.0
27.5°	477.6	453.1	432.7	449.0	463.3
30°	395.9	379.6	361.2	373.5	387.8
32.5°	326.5	314.3	300.0	310.2	322.5
35°	267.4	257.2	249.0	255.1	263.3
37.5°	214.3	210.2	206.1	208.2	208.2
40°	169.4	171.4	171.4	171.4	167.4
42.5°	138.8	140.8	144.9	140.8	138.8
45°	116.3	118.4	122.5	118.4	116.3
47.5°	102.0	104.1	106.1	102.0	102.0
50°	91.8	91.8	91.8	91.8	91.8
52.5°	85.7	83.7	83.7	83.7	85.7
55°	79.6	77.6	75.5	77.6	79.6
57.5°	73.5	71.4	69.4	71.4	73.5
60°	71.4	67.3	65.3	67.3	69.4
62.5°	67.3	63.3	61.2	63.3	67.3
65°	65.3	59.2	57.1	59.2	65.3
67.5°	63.3	55.1	51.0	55.1	63.3
70°	63.3	51.0	46.9	53.1	63.3
72.5°	61.2	49.0	40.8	49.0	61.2
75°	61.2	44.9	36.7	46.9	61.2
77.5°	57.1	40.8	30.6	42.9	57.1
80°	51.0	36.7	26.5	38.8	49.0
82.5°	36.7	30.6	20.4	30.6	36.7
85°	20.4	22.4	12.2	20.4	22.4
87.5°	2.0	6.1	4.1	12.2	10.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)