

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: P1307332

Luminaire Tested: P3SQAS24R259027D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307332
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R259027D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

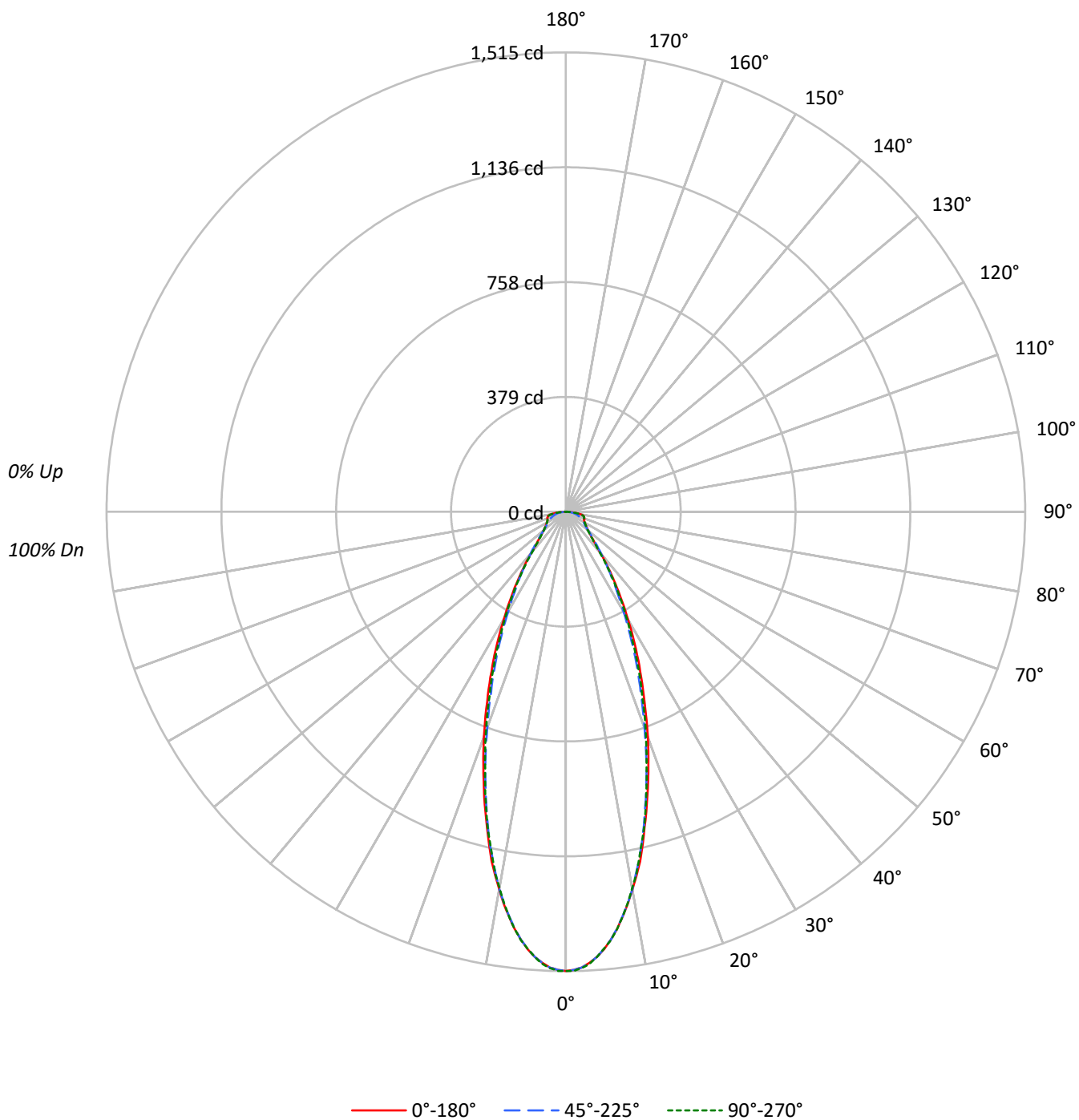
Lumens per Lamp: N/A
Luminaire Lumens: 1144.0 lumens
Efficiency: N/A
Efficacy: 39.7 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	260866	260866	260866
5°	250314	250002	250002
10°	221275	220960	220331
15°	182738	180152	181133
20°	144769	138813	141122
25°	110253	104420	107175
30°	81237	75489	78731
35°	58154	55484	56241
40°	39816	40648	38602
45°	29495	31249	29057
50°	25668	25668	25186
55°	24411	23330	24411
60°	24903	23043	24903
65°	27263	23554	27263
70°	32781	23667	31874
75°	40923	25286	40923
80°	51970	26878	48399
85°	42880	25096	42880

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 51970 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.2	11.6
10°-20°	280.9	24.6
20°-30°	257.4	22.5
30°-40°	169.7	14.8
40°-50°	98.8	8.6
50°-60°	72.2	6.3
60°-70°	61.3	5.4
70°-80°	50.7	4.4
80°-90°	20.9	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°	670.4	58.6
0°-40°	840.1	73.4
0°-60°	1011.1	88.4
0°-90°	1144.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1144.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1515	1515	1515	1515	1515	
5°	1448	1446	1446	1448	1446	132
15°	1025	1021	1010	1014	1016	284
25°	580	564	550	551	564	267
35°	277	271	264	264	268	175
45°	121	125	128	121	119	98
55°	81	81	78	80	81	74
65°	67	62	58	62	67	67
75°	62	47	38	47	62	64
85°	22	24	13	24	22	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1514.7	1514.7	1514.7	1514.7	1514.7
1°	1511.1	1511.1	1511.1	1511.1	1514.7
2°	1503.9	1502.1	1503.9	1503.9	1505.7
3°	1489.4	1489.4	1489.4	1489.4	1493.1
4°	1471.4	1471.4	1471.4	1471.4	1471.4
5°	1447.9	1446.1	1446.1	1447.9	1446.1
6°	1418.9	1418.9	1418.9	1418.9	1420.7
7°	1386.4	1384.6	1384.6	1382.8	1386.4
8°	1348.4	1348.4	1346.6	1344.8	1348.4
9°	1308.7	1310.5	1306.9	1305.1	1305.1
10°	1265.3	1263.5	1263.5	1263.5	1259.9
11°	1221.9	1216.5	1214.7	1214.7	1218.3
12°	1178.5	1169.5	1165.9	1165.9	1165.9
13°	1126.1	1122.5	1117.1	1113.5	1115.3
14°	1073.7	1073.7	1064.7	1064.7	1068.3
15°	1024.9	1021.3	1010.4	1014.0	1015.9
17.5°	903.8	896.6	883.9	883.9	885.7
20°	789.9	777.3	757.4	766.4	770.0
22.5°	677.8	665.2	645.3	654.3	658.0
25°	580.2	564.0	549.5	551.3	564.0
27.5°	491.7	473.6	459.1	464.5	471.8
30°	408.5	397.7	379.6	388.6	395.9
32.5°	338.0	329.0	316.3	321.7	329.0
35°	276.6	271.1	263.9	263.9	267.5
37.5°	224.1	222.3	218.7	216.9	215.1
40°	177.1	180.8	180.8	177.1	171.7
42.5°	144.6	148.2	151.8	144.6	139.2
45°	121.1	124.7	128.3	121.1	119.3
47.5°	106.6	108.5	110.3	106.6	104.8
50°	95.8	95.8	95.8	94.0	94.0
52.5°	88.6	86.8	85.0	86.8	86.8
55°	81.3	81.3	77.7	79.5	81.3
57.5°	75.9	74.1	72.3	74.1	75.9
60°	72.3	68.7	66.9	68.7	72.3
62.5°	68.7	65.1	61.5	65.1	68.7
65°	66.9	61.5	57.8	61.5	66.9
67.5°	65.1	57.8	52.4	57.8	65.1
70°	65.1	54.2	47.0	54.2	63.3
72.5°	63.3	50.6	43.4	50.6	63.3
75°	61.5	47.0	38.0	47.0	61.5
77.5°	59.6	43.4	32.5	43.4	57.8
80°	52.4	39.8	27.1	39.8	48.8
82.5°	38.0	32.5	21.7	32.5	36.2
85°	21.7	23.5	12.7	23.5	21.7
87.5°	3.6	5.4	3.6	9.0	7.2



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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)