

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: P1310540

Luminaire Tested: P3SQAS20R259040D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310540
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: P3SQAS20R259040D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

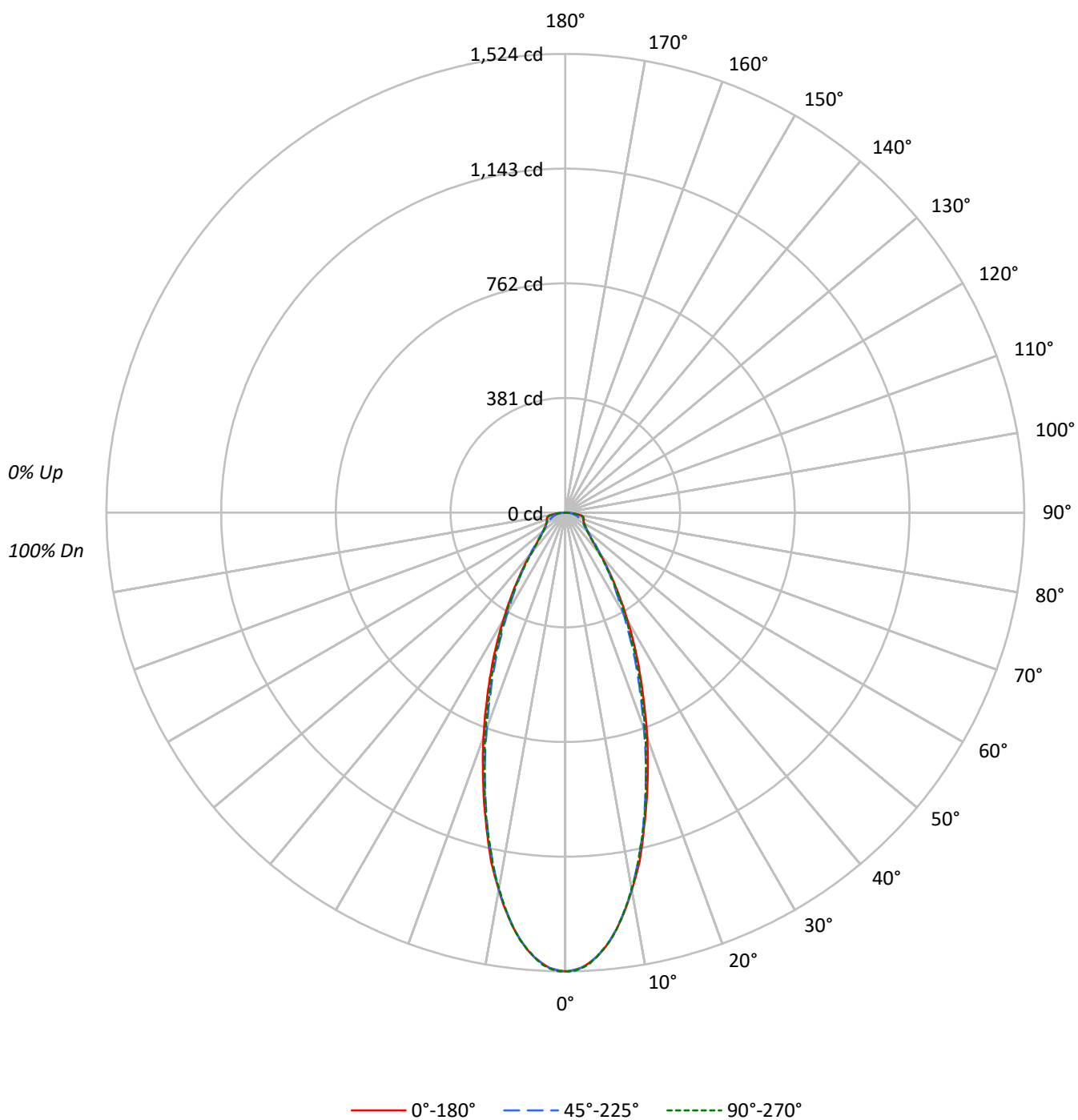
Lumens per Lamp: N/A
Luminaire Lumens: 1151.0 lumens
Efficiency: N/A
Efficacy: 40.0 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	262467	262467	262467
5°	251835	251524	251524
10°	222622	222307	221677
15°	183861	181258	182238
20°	145649	139656	141984
25°	110938	105066	107821
30°	81734	75947	79208
35°	58490	55820	56598
40°	40063	40895	38849
45°	29666	31444	29227
50°	25829	25829	25346
55°	24561	23480	24561
60°	25041	23181	25041
65°	27426	23717	27426
70°	32982	23818	32076
75°	41123	25419	41123
80°	52267	27076	48697
85°	43078	25096	43078

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 52267 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.0	11.6
10°-20°	282.6	24.6
20°-30°	258.9	22.5
30°-40°	170.8	14.8
40°-50°	99.4	8.6
50°-60°	72.6	6.3
60°-70°	61.7	5.4
70°-80°	51.0	4.4
80°-90°	21.0	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°	674.5	58.6
0°-40°	845.3	73.4
0°-60°	1017.3	88.4
0°-90°	1151.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1151.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1524	1524	1524	1524	1524	
5°	1457	1455	1455	1457	1455	133
15°	1031	1028	1017	1020	1022	286
25°	584	567	553	555	567	268
35°	278	273	266	266	269	176
45°	122	126	129	122	120	98
55°	82	82	78	80	82	74
65°	67	62	58	62	67	67
75°	62	47	38	47	62	65
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°	1524.0	1524.0	1524.0	1524.0	1524.0
1°	1520.4	1520.4	1520.4	1520.4	1524.0
2°	1513.1	1511.3	1513.1	1513.1	1514.9
3°	1498.5	1498.5	1498.5	1498.5	1502.2
4°	1480.4	1480.4	1480.4	1480.4	1480.4
5°	1456.7	1454.9	1454.9	1456.7	1454.9
6°	1427.6	1427.6	1427.6	1427.6	1429.4
7°	1394.9	1393.1	1393.1	1391.2	1394.9
8°	1356.7	1356.7	1354.9	1353.1	1356.7
9°	1316.7	1318.5	1314.9	1313.0	1313.0
10°	1273.0	1271.2	1271.2	1271.2	1267.6
11°	1229.4	1223.9	1222.1	1222.1	1225.8
12°	1185.7	1176.7	1173.0	1173.0	1173.0
13°	1133.0	1129.4	1123.9	1120.3	1122.1
14°	1080.3	1080.3	1071.2	1071.2	1074.8
15°	1031.2	1027.5	1016.6	1020.2	1022.1
17.5°	909.3	902.0	889.3	889.3	891.1
20°	794.7	782.0	762.0	771.1	774.7
22.5°	682.0	669.3	649.2	658.3	662.0
25°	583.8	567.4	552.9	554.7	567.4
27.5°	494.7	476.5	461.9	467.4	474.7
30°	411.0	400.1	381.9	391.0	398.3
32.5°	340.1	331.0	318.3	323.7	331.0
35°	278.2	272.8	265.5	265.5	269.2
37.5°	225.5	223.7	220.1	218.2	216.4
40°	178.2	181.9	181.9	178.2	172.8
42.5°	145.5	149.1	152.8	145.5	140.0
45°	121.8	125.5	129.1	121.8	120.0
47.5°	107.3	109.1	110.9	107.3	105.5
50°	96.4	96.4	96.4	94.6	94.6
52.5°	89.1	87.3	85.5	87.3	87.3
55°	81.8	81.8	78.2	80.0	81.8
57.5°	76.4	74.6	72.7	74.6	76.4
60°	72.7	69.1	67.3	69.1	72.7
62.5°	69.1	65.5	61.8	65.5	69.1
65°	67.3	61.8	58.2	61.8	67.3
67.5°	65.5	58.2	52.7	58.2	65.5
70°	65.5	54.6	47.3	54.6	63.7
72.5°	63.7	50.9	43.6	50.9	63.7
75°	61.8	47.3	38.2	47.3	61.8
77.5°	60.0	43.6	32.7	43.6	58.2
80°	52.7	40.0	27.3	40.0	49.1
82.5°	38.2	32.7	21.8	32.7	36.4
85°	21.8	23.6	12.7	23.6	21.8
87.5°	3.6	5.5	3.6	9.1	7.3



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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)