

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: P1313707

Luminaire Tested: P3SQAS20R259730D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313707
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: P3SQAS20R259730D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

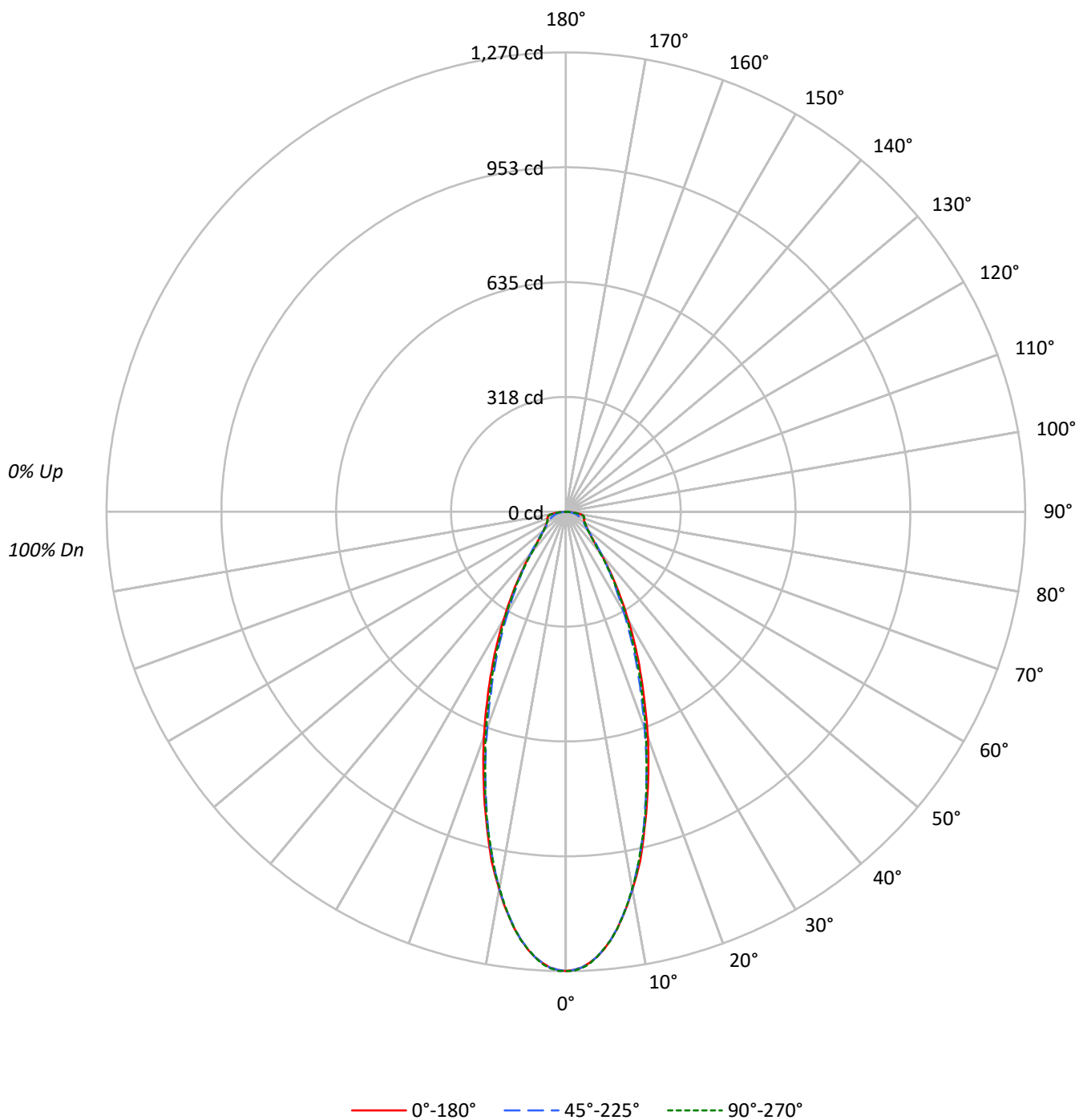
Lumens per Lamp: N/A
Luminaire Lumens: 959.0 lumens
Efficiency: N/A
Efficacy: 33.3 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	218688	218688	218688
5°	209825	209566	209566
10°	185495	185232	184690
15°	153194	151018	151839
20°	121365	116362	118304
25°	92429	87526	89845
30°	68092	63279	65984
35°	48735	46506	47158
40°	33386	34060	32352
45°	24721	26207	24356
50°	21515	21515	21113
55°	20478	19577	20478
60°	20873	19323	20873
65°	22862	19764	22862
70°	27443	19840	26688
75°	34269	21160	34269
80°	43540	22514	40564
85°	35964	20946	35964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 43540 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.8	11.6
10°-20°	235.4	24.6
20°-30°	215.7	22.5
30°-40°	142.3	14.8
40°-50°	82.8	8.6
50°-60°	60.5	6.3
60°-70°	51.4	5.4
70°-80°	42.5	4.4
80°-90°	17.5	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°	562.0	58.6
0°-40°	704.3	73.4
0°-60°	847.6	88.4
0°-90°	959.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	959.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1270	1270	1270	1270	1270	
5°	1214	1212	1212	1214	1212	111
15°	859	856	847	850	852	238
25°	486	473	461	462	473	224
35°	232	227	221	221	224	147
45°	102	105	108	102	100	82
55°	68	68	65	67	68	62
65°	56	52	48	52	56	56
75°	52	39	32	39	52	54
85°	18	20	11	20	18	20
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1269.8	1269.8	1269.8	1269.8	1269.8
1°	1266.8	1266.8	1266.8	1266.8	1269.8
2°	1260.7	1259.2	1260.7	1260.7	1262.2
3°	1248.6	1248.6	1248.6	1248.6	1251.6
4°	1233.4	1233.4	1233.4	1233.4	1233.4
5°	1213.7	1212.2	1212.2	1213.7	1212.2
6°	1189.5	1189.5	1189.5	1189.5	1191.0
7°	1162.2	1160.7	1160.7	1159.2	1162.2
8°	1130.4	1130.4	1128.9	1127.4	1130.4
9°	1097.0	1098.6	1095.5	1094.0	1094.0
10°	1060.7	1059.2	1059.2	1059.2	1056.1
11°	1024.3	1019.8	1018.3	1018.3	1021.3
12°	987.9	980.4	977.3	977.3	977.3
13°	944.0	941.0	936.4	933.4	934.9
14°	900.1	900.1	892.5	892.5	895.5
15°	859.2	856.1	847.0	850.1	851.6
17.5°	757.6	751.6	741.0	741.0	742.5
20°	662.2	651.6	634.9	642.5	645.5
22.5°	568.2	557.6	540.9	548.5	551.6
25°	486.4	472.8	460.6	462.2	472.8
27.5°	412.2	397.0	384.9	389.4	395.5
30°	342.4	333.4	318.2	325.8	331.8
32.5°	283.4	275.8	265.2	269.7	275.8
35°	231.8	227.3	221.2	221.2	224.3
37.5°	187.9	186.4	183.3	181.8	180.3
40°	148.5	151.5	151.5	148.5	143.9
42.5°	121.2	124.3	127.3	121.2	116.7
45°	101.5	104.6	107.6	101.5	100.0
47.5°	89.4	90.9	92.4	89.4	87.9
50°	80.3	80.3	80.3	78.8	78.8
52.5°	74.2	72.7	71.2	72.7	72.7
55°	68.2	68.2	65.2	66.7	68.2
57.5°	63.6	62.1	60.6	62.1	63.6
60°	60.6	57.6	56.1	57.6	60.6
62.5°	57.6	54.5	51.5	54.5	57.6
65°	56.1	51.5	48.5	51.5	56.1
67.5°	54.5	48.5	43.9	48.5	54.5
70°	54.5	45.5	39.4	45.5	53.0
72.5°	53.0	42.4	36.4	42.4	53.0
75°	51.5	39.4	31.8	39.4	51.5
77.5°	50.0	36.4	27.3	36.4	48.5
80°	43.9	33.3	22.7	33.3	40.9
82.5°	31.8	27.3	18.2	27.3	30.3
85°	18.2	19.7	10.6	19.7	18.2
87.5°	3.0	4.5	3.0	7.6	6.1



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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)