

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: P1313741

Luminaire Tested: P3SQAS20R359730D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313741
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359730D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

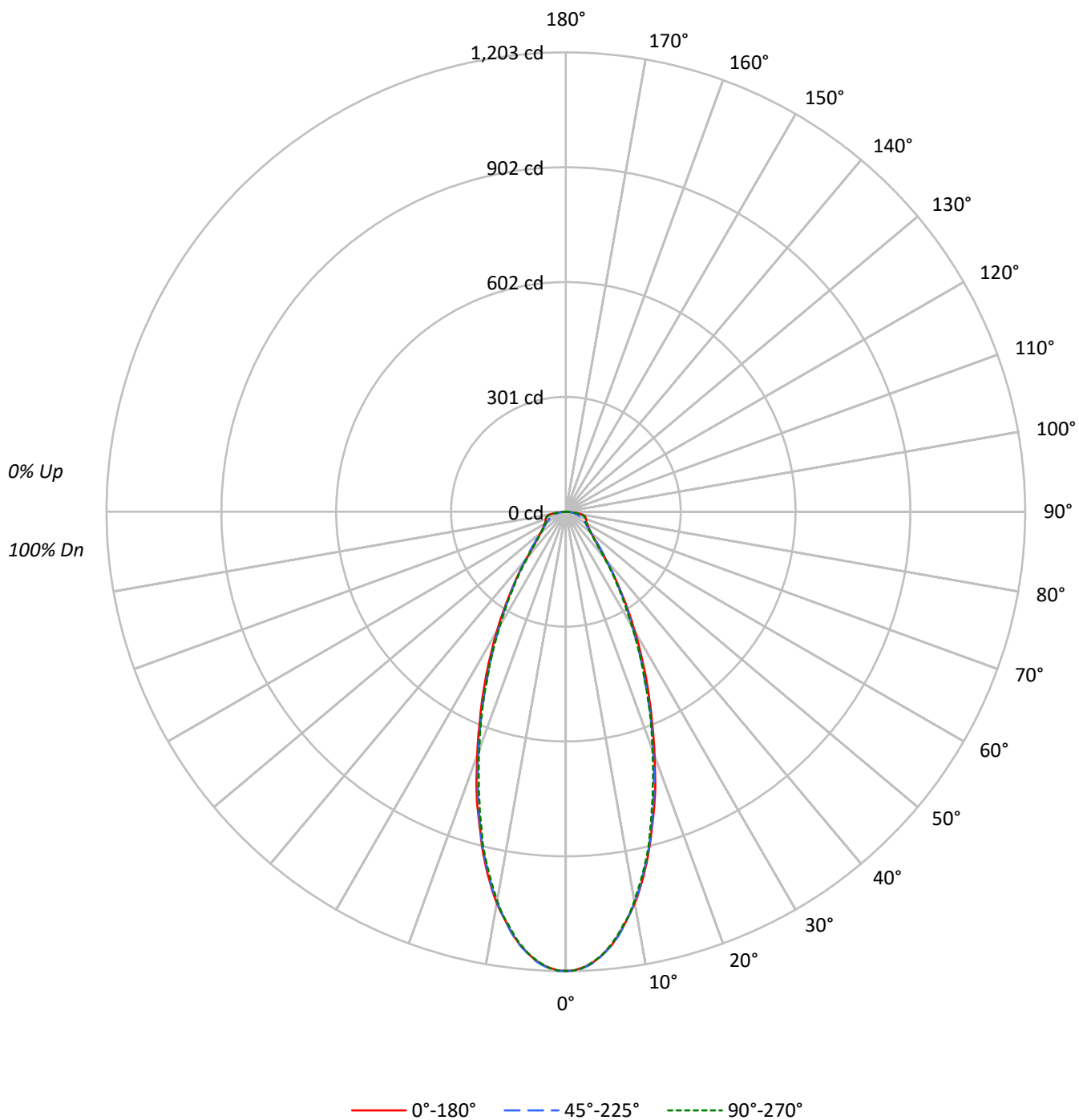
Lumens per Lamp: N/A
Luminaire Lumens: 995.0 lumens
Efficiency: N/A
Efficacy: 34.5 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	101	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	69	64	73	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	58		67	62	58		66
7	77	66	60	55	76	66	59	54	64	58	54		63	58	54		62
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	207115	207115	207115
5°	200317	200576	200317
10°	181962	181700	180913
15°	154477	153925	152587
20°	124352	122703	121585
25°	96134	93246	93246
30°	71691	69285	68668
35°	51594	50942	49681
40°	36084	37118	34735
45°	26938	28399	26183
50°	23122	23122	22721
55°	21829	20928	21379
60°	22423	20357	21390
65°	24084	20376	23473
70°	28199	21350	27443
75°	35267	22158	34269
80°	45027	24001	40564
85°	35964	23910	35964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 45027 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.8	10.7
10°-20°	238.4	24.0
20°-30°	227.6	22.9
30°-40°	152.9	15.4
40°-50°	89.8	9.0
50°-60°	64.2	6.5
60°-70°	53.5	5.4
70°-80°	43.8	4.4
80°-90°	18.0	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°	572.8	57.6
0°-40°	725.7	72.9
0°-60°	879.7	88.4
0°-90°	995.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	995.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1203	1203	1203	1203	1203	
5°	1159	1162	1160	1159	1159	107
15°	866	868	863	857	856	240
25°	506	500	491	491	491	232
35°	245	245	242	238	236	155
45°	111	114	117	111	108	89
55°	73	71	70	70	71	66
65°	59	53	50	53	58	59
75°	53	41	33	41	52	55
85°	18	20	12	20	18	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1202.6	1202.6	1202.6	1202.6	1202.6
1°	1201.1	1202.6	1202.6	1201.1	1201.1
2°	1195.0	1198.1	1196.5	1195.0	1196.5
3°	1187.5	1190.5	1189.0	1187.5	1185.9
4°	1175.3	1178.4	1176.9	1173.8	1173.8
5°	1158.7	1161.7	1160.2	1158.7	1158.7
6°	1142.0	1145.1	1142.0	1139.0	1139.0
7°	1119.3	1123.8	1120.8	1117.8	1116.3
8°	1093.6	1098.1	1095.1	1093.6	1090.5
9°	1067.8	1070.8	1066.3	1066.3	1066.3
10°	1040.5	1042.1	1039.0	1034.5	1034.5
11°	1010.3	1008.7	1007.2	1004.2	1001.2
12°	976.9	976.9	972.4	969.4	967.8
13°	942.1	940.6	937.5	934.5	934.5
14°	905.7	905.7	902.7	896.7	898.2
15°	866.4	867.9	863.3	857.3	855.8
17.5°	777.0	774.0	766.4	761.9	757.3
20°	678.5	677.0	669.5	664.9	663.4
22.5°	587.7	586.2	578.6	574.0	577.1
25°	505.9	499.8	490.7	490.7	490.7
27.5°	430.2	422.6	416.5	413.5	416.5
30°	360.5	354.4	348.4	346.8	345.3
32.5°	298.4	295.4	292.3	287.8	287.8
35°	245.4	245.4	242.3	237.8	236.3
37.5°	199.9	201.4	199.9	195.4	193.9
40°	160.5	163.6	165.1	160.5	154.5
42.5°	131.8	136.3	139.3	131.8	127.2
45°	110.6	113.6	116.6	110.6	107.5
47.5°	96.9	98.5	100.0	95.4	93.9
50°	86.3	86.3	86.3	84.8	84.8
52.5°	78.8	78.8	77.2	75.7	75.7
55°	72.7	71.2	69.7	69.7	71.2
57.5°	68.2	66.6	63.6	65.1	66.6
60°	65.1	62.1	59.1	60.6	62.1
62.5°	60.6	57.6	54.5	56.0	59.1
65°	59.1	53.0	50.0	53.0	57.6
67.5°	57.6	50.0	45.4	50.0	56.0
70°	56.0	47.0	42.4	47.0	54.5
72.5°	54.5	43.9	37.9	43.9	53.0
75°	53.0	40.9	33.3	40.9	51.5
77.5°	50.0	37.9	28.8	37.9	47.0
80°	45.4	34.8	24.2	33.3	40.9
82.5°	33.3	28.8	19.7	28.8	30.3
85°	18.2	19.7	12.1	19.7	18.2
87.5°	1.5	3.0	3.0	9.1	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)