

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: P1307186

Luminaire Tested: P3SQAS20R259027D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307186
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: P3SQAS20R259027D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

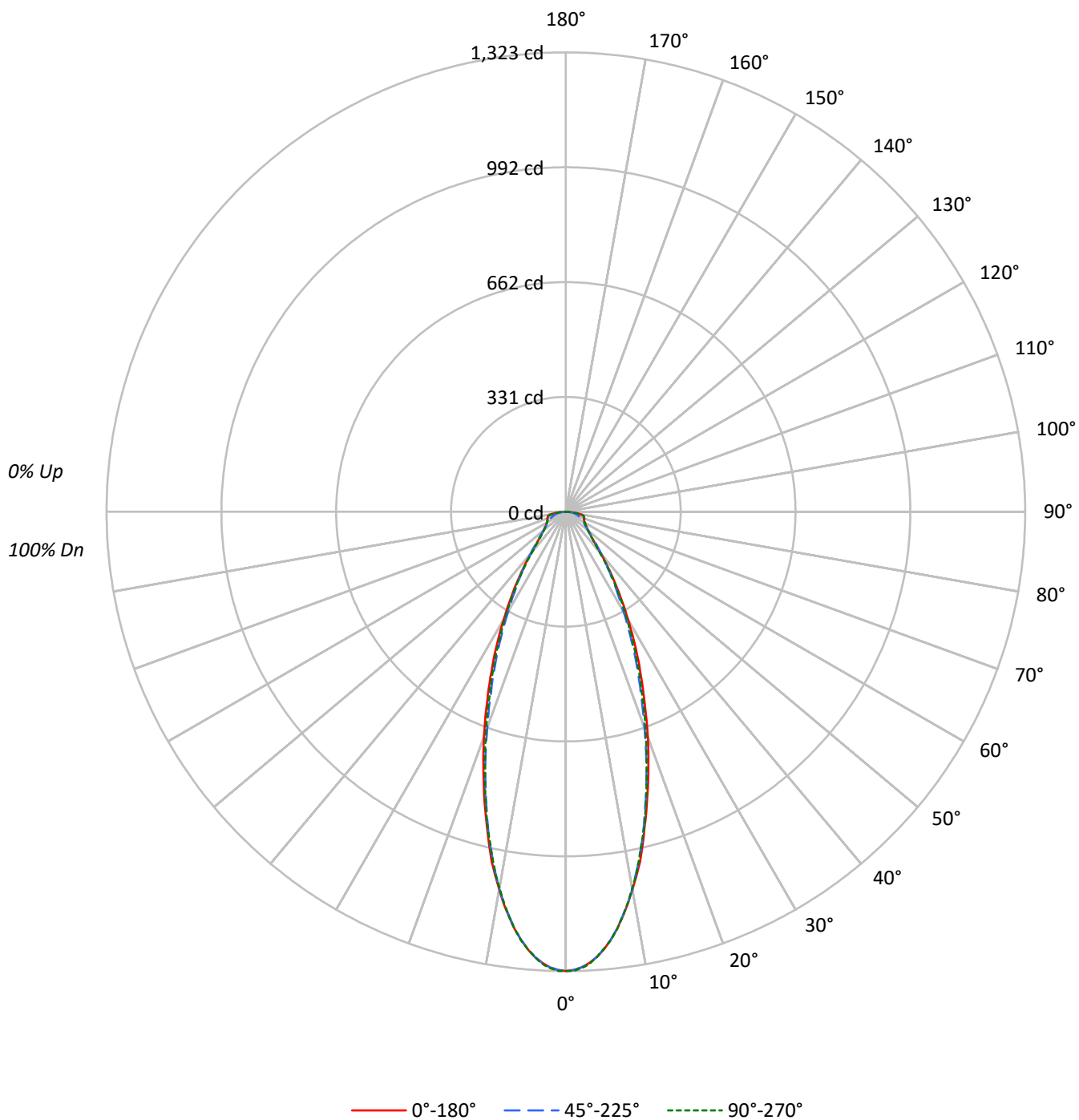
Lumens per Lamp: N/A
Luminaire Lumens: 999.0 lumens
Efficiency: N/A
Efficacy: 34.7 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	227816	227816	227816
5°	218573	218313	218313
10°	193224	192945	192402
15°	159577	157330	158168
20°	126423	121218	123234
25°	96287	91194	93588
30°	70935	65924	68748
35°	50774	48461	49113
40°	34780	35477	33723
45°	25769	27303	25379
50°	22426	22426	21997
55°	21319	20388	21319
60°	21734	20116	21734
65°	23799	20579	23799
70°	28601	20645	27796
75°	35733	22025	35733
80°	45424	23505	42250
85°	37347	21736	37347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 45424 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.4	11.6
10°-20°	245.3	24.6
20°-30°	224.7	22.5
30°-40°	148.2	14.8
40°-50°	86.3	8.6
50°-60°	63.0	6.3
60°-70°	53.5	5.4
70°-80°	44.3	4.4
80°-90°	18.2	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°	585.4	58.6
0°-40°	733.7	73.4
0°-60°	883.0	88.4
0°-90°	999.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	999.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1323	1323	1323	1323	1323	
5°	1264	1263	1263	1264	1263	116
15°	895	892	882	886	887	248
25°	507	492	480	481	492	233
35°	242	237	230	230	234	153
45°	106	109	112	106	104	85
55°	71	71	68	70	71	64
65°	58	54	50	54	58	58
75°	54	41	33	41	54	56
85°	19	20	11	20	19	21
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1322.8	1322.8	1322.8	1322.8	1322.8
1°	1319.6	1319.6	1319.6	1319.6	1322.8
2°	1313.3	1311.7	1313.3	1313.3	1314.9
3°	1300.7	1300.7	1300.7	1300.7	1303.8
4°	1284.9	1284.9	1284.9	1284.9	1284.9
5°	1264.3	1262.8	1262.8	1264.3	1262.8
6°	1239.1	1239.1	1239.1	1239.1	1240.7
7°	1210.7	1209.1	1209.1	1207.5	1210.7
8°	1177.5	1177.5	1176.0	1174.4	1177.5
9°	1142.8	1144.4	1141.2	1139.6	1139.6
10°	1104.9	1103.3	1103.3	1103.3	1100.2
11°	1067.0	1062.3	1060.7	1060.7	1063.9
12°	1029.2	1021.3	1018.1	1018.1	1018.1
13°	983.4	980.2	975.5	972.3	973.9
14°	937.6	937.6	929.7	929.7	932.9
15°	895.0	891.8	882.4	885.5	887.1
17.5°	789.2	782.9	771.9	771.9	773.4
20°	689.8	678.7	661.4	669.3	672.4
22.5°	591.9	580.9	563.5	571.4	574.6
25°	506.7	492.5	479.9	481.4	492.5
27.5°	429.3	413.6	400.9	405.7	412.0
30°	356.7	347.3	331.5	339.4	345.7
32.5°	295.2	287.3	276.2	281.0	287.3
35°	241.5	236.8	230.5	230.5	233.6
37.5°	195.7	194.2	191.0	189.4	187.8
40°	154.7	157.8	157.8	154.7	150.0
42.5°	126.3	129.4	132.6	126.3	121.5
45°	105.8	108.9	112.1	105.8	104.2
47.5°	93.1	94.7	96.3	93.1	91.6
50°	83.7	83.7	83.7	82.1	82.1
52.5°	77.3	75.8	74.2	75.8	75.8
55°	71.0	71.0	67.9	69.5	71.0
57.5°	66.3	64.7	63.1	64.7	66.3
60°	63.1	60.0	58.4	60.0	63.1
62.5°	60.0	56.8	53.7	56.8	60.0
65°	58.4	53.7	50.5	53.7	58.4
67.5°	56.8	50.5	45.8	50.5	56.8
70°	56.8	47.4	41.0	47.4	55.2
72.5°	55.2	44.2	37.9	44.2	55.2
75°	53.7	41.0	33.1	41.0	53.7
77.5°	52.1	37.9	28.4	37.9	50.5
80°	45.8	34.7	23.7	34.7	42.6
82.5°	33.1	28.4	18.9	28.4	31.6
85°	18.9	20.5	11.0	20.5	18.9
87.5°	3.2	4.7	3.2	7.9	6.3



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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)