

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: P1316527

Luminaire Tested: P3SQAS20R259827D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316527
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: P3SQAS20R259827D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

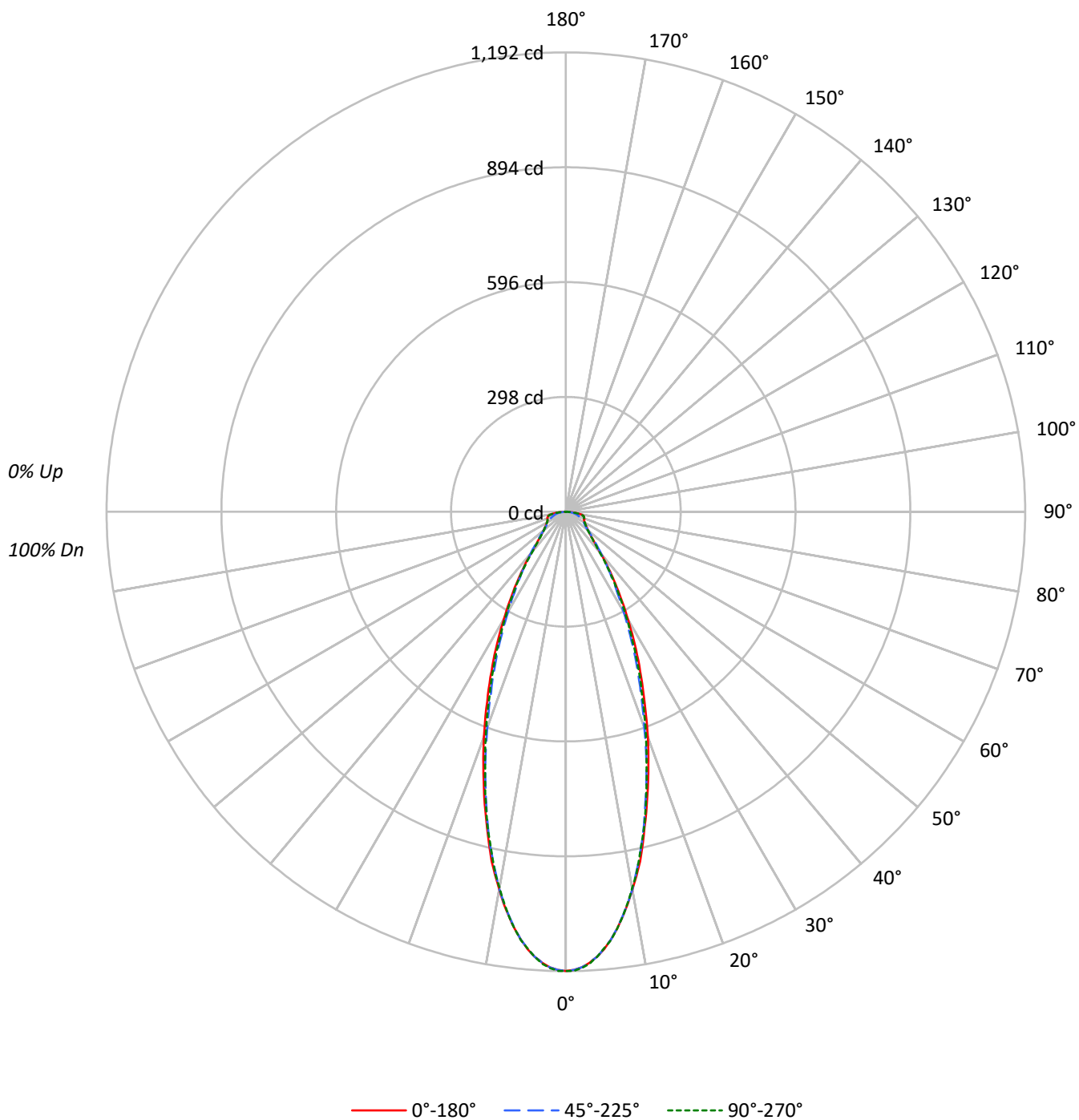
Lumens per Lamp: N/A
Luminaire Lumens: 900.0 lumens
Efficiency: N/A
Efficacy: 32.8 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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°	205238	205238	205238
5°	196928	196669	196669
10°	174075	173830	173341
15°	143762	141729	142496
20°	113887	109196	111028
25°	86747	82149	84315
30°	63915	59381	61927
35°	45749	43647	44257
40°	31340	31970	30373
45°	23211	24600	22870
50°	20202	20202	19800
55°	19217	18346	19217
60°	19599	18118	19599
65°	21435	18542	21435
70°	25782	18631	25077
75°	32140	19896	32140
80°	40862	21125	38085
85°	33790	19760	33790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 40862 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.0	11.6
10°-20°	221.0	24.6
20°-30°	202.5	22.5
30°-40°	133.5	14.8
40°-50°	77.7	8.6
50°-60°	56.8	6.3
60°-70°	48.2	5.4
70°-80°	39.9	4.4
80°-90°	16.4	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°	527.4	58.6
0°-40°	661.0	73.4
0°-60°	795.5	88.4
0°-90°	900.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	900.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1192	1192	1192	1192	1192	
5°	1139	1138	1138	1139	1138	104
15°	806	804	795	798	799	223
25°	456	444	432	434	444	210
35°	218	213	208	208	210	138
45°	95	98	101	95	94	77
55°	64	64	61	63	64	58
65°	53	48	46	48	53	53
75°	48	37	30	37	48	51
85°	17	18	10	18	17	19
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1191.7	1191.7	1191.7	1191.7	1191.7
1°	1188.8	1188.8	1188.8	1188.8	1191.7
2°	1183.1	1181.7	1183.1	1183.1	1184.6
3°	1171.8	1171.8	1171.8	1171.8	1174.6
4°	1157.5	1157.5	1157.5	1157.5	1157.5
5°	1139.1	1137.6	1137.6	1139.1	1137.6
6°	1116.3	1116.3	1116.3	1116.3	1117.7
7°	1090.7	1089.3	1089.3	1087.9	1090.7
8°	1060.8	1060.8	1059.4	1058.0	1060.8
9°	1029.6	1031.0	1028.1	1026.7	1026.7
10°	995.4	994.0	994.0	994.0	991.2
11°	961.3	957.0	955.6	955.6	958.5
12°	927.2	920.1	917.2	917.2	917.2
13°	885.9	883.1	878.8	876.0	877.4
14°	844.7	844.7	837.6	837.6	840.4
15°	806.3	803.5	794.9	797.8	799.2
17.5°	711.0	705.3	695.4	695.4	696.8
20°	621.4	611.5	595.8	602.9	605.8
22.5°	533.3	523.3	507.7	514.8	517.6
25°	456.5	443.7	432.3	433.7	443.7
27.5°	386.8	372.6	361.2	365.5	371.2
30°	321.4	312.8	298.6	305.7	311.4
32.5°	265.9	258.8	248.9	253.1	258.8
35°	217.6	213.3	207.6	207.6	210.5
37.5°	176.3	174.9	172.1	170.6	169.2
40°	139.4	142.2	142.2	139.4	135.1
42.5°	113.8	116.6	119.5	113.8	109.5
45°	95.3	98.1	101.0	95.3	93.9
47.5°	83.9	85.3	86.7	83.9	82.5
50°	75.4	75.4	75.4	73.9	73.9
52.5°	69.7	68.3	66.8	68.3	68.3
55°	64.0	64.0	61.1	62.6	64.0
57.5°	59.7	58.3	56.9	58.3	59.7
60°	56.9	54.0	52.6	54.0	56.9
62.5°	54.0	51.2	48.3	51.2	54.0
65°	52.6	48.3	45.5	48.3	52.6
67.5°	51.2	45.5	41.2	45.5	51.2
70°	51.2	42.7	37.0	42.7	49.8
72.5°	49.8	39.8	34.1	39.8	49.8
75°	48.3	37.0	29.9	37.0	48.3
77.5°	46.9	34.1	25.6	34.1	45.5
80°	41.2	31.3	21.3	31.3	38.4
82.5°	29.9	25.6	17.1	25.6	28.4
85°	17.1	18.5	10.0	18.5	17.1
87.5°	2.8	4.3	2.8	7.1	5.7



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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)