

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: P1312703

Luminaire Tested: P3SQAS20R159727D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312703
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R159727D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

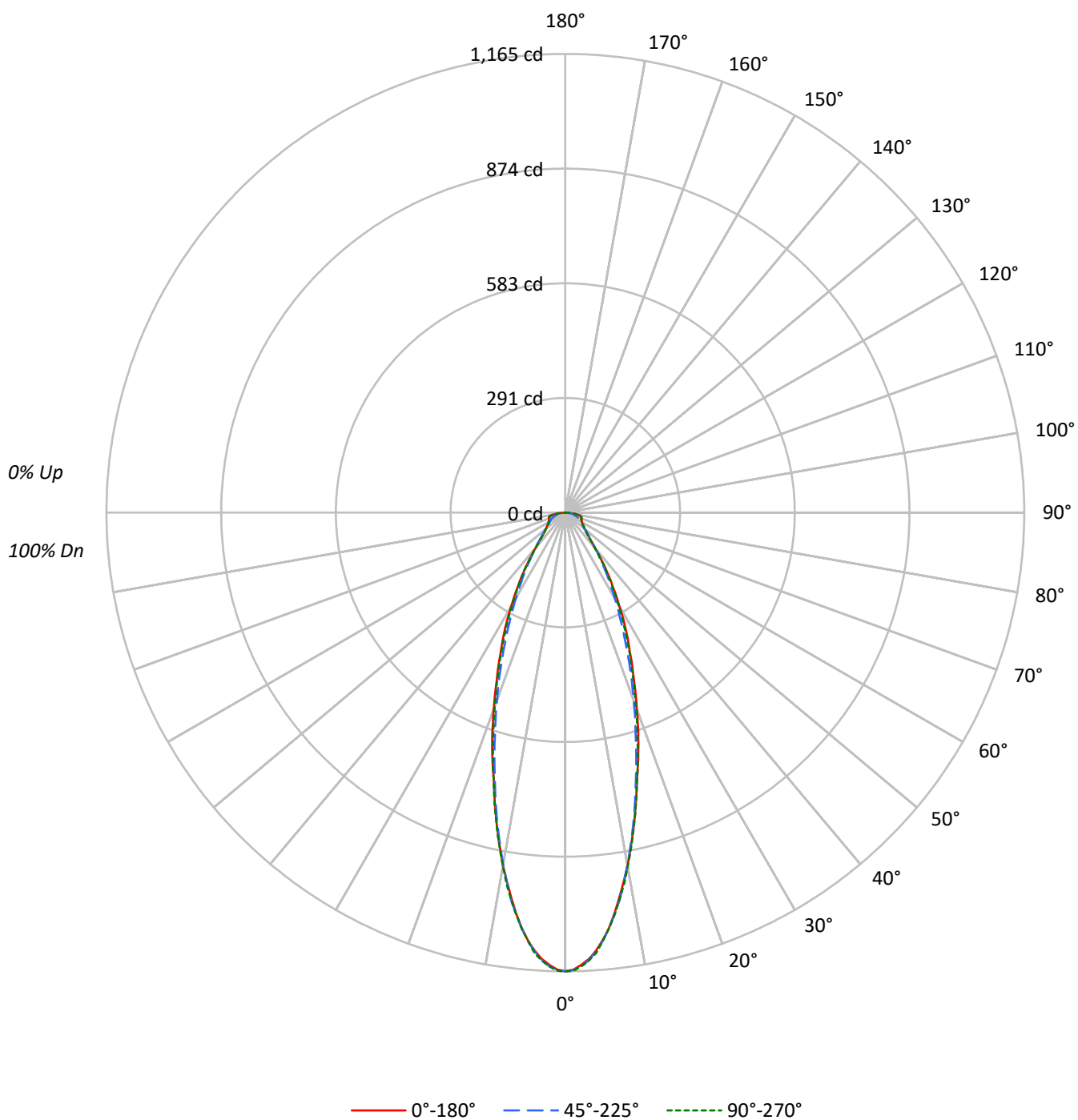
Lumens per Lamp: N/A
Luminaire Lumens: 781.0 lumens
Efficiency: N/A
Efficacy: 27.1 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96		97	95	94		94	92	91	89
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87	84	82	80
3	98	90	84	79	96	88	83	78	86	81	77		83	79	76		81	77	74	73
4	92	83	76	71	90	82	76	71	80	74	70		77	73	69		75	71	68	66
5	87	77	70	65	85	76	70	65	74	69	64		72	68	64		71	67	63	61
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	68	61	56	77	67	60	56	66	60	56		64	59	55		63	58	55	53
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60	55	52	50
9	71	60	54	49	70	60	53	49	59	53	49		58	53	49		57	52	49	47
10	68	57	51	47	67	57	51	47	56	50	46		55	50	46		54	49	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	200639	200639	200639
5°	188440	188682	188682
10°	159175	158686	159665
15°	125183	123418	125433
20°	97283	92884	96000
25°	73445	68334	72362
30°	54608	49836	53495
35°	38979	36309	38391
40°	26416	26731	26102
45°	19655	20678	19655
50°	17067	17067	17067
55°	16574	15734	16574
60°	17050	15603	16568
65°	18460	16138	18460
70°	22106	16416	22106
75°	28280	16968	28280
80°	35109	18249	33721
85°	28060	16796	30826

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 35109 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.3	12.6
10°-20°	194.2	24.9
20°-30°	171.7	22.0
30°-40°	112.8	14.4
40°-50°	65.9	8.4
50°-60°	48.5	6.2
60°-70°	41.4	5.3
70°-80°	34.1	4.4
80°-90°	14.1	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°	464.2	59.4
0°-40°	577.0	73.9
0°-60°	691.4	88.5
0°-90°	781.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	781.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1165	1165	1165	1165	1165	
5°	1090	1090	1091	1093	1091	98
15°	702	702	692	701	704	196
25°	386	374	360	370	381	179
35°	185	178	173	177	183	117
45°	81	82	85	82	81	65
55°	55	54	52	54	55	50
65°	45	41	40	41	45	45
75°	42	31	26	33	42	43
85°	14	16	8	14	16	16
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1165.0	1165.0	1165.0	1165.0	1165.0
1°	1160.8	1162.2	1162.2	1163.6	1163.6
2°	1149.4	1152.3	1153.7	1153.7	1153.7
3°	1135.3	1136.7	1138.1	1139.5	1139.5
4°	1115.5	1116.9	1116.9	1119.7	1121.1
5°	1090.0	1090.0	1091.4	1092.8	1091.4
6°	1060.3	1060.3	1061.7	1061.7	1061.7
7°	1024.9	1026.3	1027.7	1029.1	1027.7
8°	986.7	988.1	992.3	992.3	990.9
9°	948.4	949.8	949.8	954.1	954.1
10°	910.2	910.2	907.4	910.2	913.0
12.5°	806.9	805.5	801.2	805.5	808.3
15°	702.1	702.1	692.2	700.7	703.5
17.5°	617.2	604.4	594.5	603.0	610.1
20°	530.8	518.1	506.8	515.3	523.8
22.5°	453.0	443.1	428.9	437.4	447.3
25°	386.5	373.7	359.6	369.5	380.8
27.5°	331.2	314.3	300.1	311.4	321.3
30°	274.6	263.3	250.6	259.0	269.0
32.5°	226.5	218.0	208.1	215.2	223.7
35°	185.4	178.4	172.7	176.9	182.6
37.5°	148.6	145.8	143.0	144.4	144.4
40°	117.5	118.9	118.9	118.9	116.1
42.5°	96.3	97.7	100.5	97.7	96.3
45°	80.7	82.1	84.9	82.1	80.7
47.5°	70.8	72.2	73.6	70.8	70.8
50°	63.7	63.7	63.7	63.7	63.7
52.5°	59.5	58.0	58.0	58.0	59.5
55°	55.2	53.8	52.4	53.8	55.2
57.5°	51.0	49.5	48.1	49.5	51.0
60°	49.5	46.7	45.3	46.7	48.1
62.5°	46.7	43.9	42.5	43.9	46.7
65°	45.3	41.1	39.6	41.1	45.3
67.5°	43.9	38.2	35.4	38.2	43.9
70°	43.9	35.4	32.6	36.8	43.9
72.5°	42.5	34.0	28.3	34.0	42.5
75°	42.5	31.1	25.5	32.6	42.5
77.5°	39.6	28.3	21.2	29.7	39.6
80°	35.4	25.5	18.4	26.9	34.0
82.5°	25.5	21.2	14.2	21.2	25.5
85°	14.2	15.6	8.5	14.2	15.6
87.5°	1.4	4.2	2.8	8.5	7.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)