

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: P1312735

Luminaire Tested: P3SQAS20R259727D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312735
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: P3SQAS20R259727D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

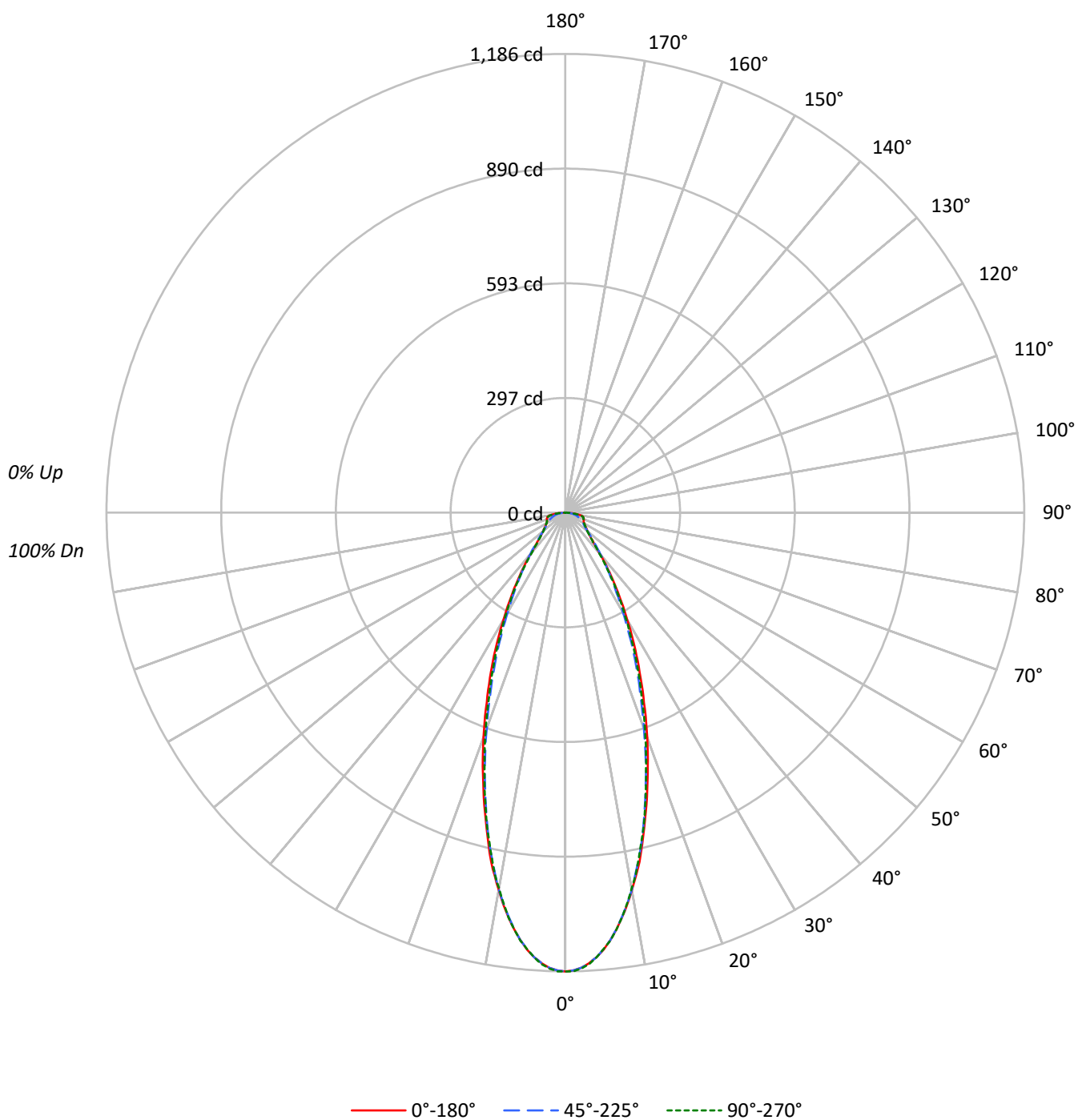
Lumens per Lamp: N/A
Luminaire Lumens: 896.0 lumens
Efficiency: N/A
Efficacy: 31.1 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	204325	204325	204325
5°	196046	195804	195804
10°	173306	173061	172571
15°	143120	141105	141854
20°	113393	108719	110533
25°	86348	81787	83935
30°	63637	59123	61648
35°	45539	43458	44046
40°	31183	31835	30238
45°	23114	24478	22748
50°	20095	20095	19720
55°	19127	18286	19127
60°	19496	18049	19496
65°	21354	18460	21354
70°	25681	18530	24976
75°	32007	19763	32007
80°	40763	21026	37886
85°	33593	19563	33593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 40763 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.5	11.6
10°-20°	220.0	24.6
20°-30°	201.6	22.5
30°-40°	132.9	14.8
40°-50°	77.4	8.6
50°-60°	56.5	6.3
60°-70°	48.0	5.4
70°-80°	39.7	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°	525.1	58.6
0°-40°	658.0	73.4
0°-60°	791.9	88.4
0°-90°	896.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	896.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1186	1186	1186	1186	1186	
5°	1134	1133	1133	1134	1133	104
15°	803	800	791	794	796	222
25°	454	442	430	432	442	209
35°	217	212	207	207	210	137
45°	95	98	100	95	93	77
55°	64	64	61	62	64	58
65°	52	48	45	48	52	52
75°	48	37	30	37	48	50
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°	1186.4	1186.4	1186.4	1186.4	1186.4
1°	1183.5	1183.5	1183.5	1183.5	1186.4
2°	1177.9	1176.5	1177.9	1177.9	1179.3
3°	1166.6	1166.6	1166.6	1166.6	1169.4
4°	1152.4	1152.4	1152.4	1152.4	1152.4
5°	1134.0	1132.6	1132.6	1134.0	1132.6
6°	1111.3	1111.3	1111.3	1111.3	1112.8
7°	1085.9	1084.4	1084.4	1083.0	1085.9
8°	1056.1	1056.1	1054.7	1053.3	1056.1
9°	1025.0	1026.4	1023.6	1022.1	1022.1
10°	991.0	989.6	989.6	989.6	986.8
11°	957.0	952.8	951.4	951.4	954.2
12°	923.0	916.0	913.1	913.1	913.1
13°	882.0	879.2	874.9	872.1	873.5
14°	840.9	840.9	833.9	833.9	836.7
15°	802.7	799.9	791.4	794.2	795.6
17.5°	707.9	702.2	692.3	692.3	693.7
20°	618.7	608.8	593.2	600.3	603.1
22.5°	530.9	521.0	505.4	512.5	515.3
25°	454.4	441.7	430.4	431.8	441.7
27.5°	385.1	370.9	359.6	363.8	369.5
30°	320.0	311.5	297.3	304.4	310.0
32.5°	264.7	257.7	247.8	252.0	257.7
35°	216.6	212.4	206.7	206.7	209.5
37.5°	175.5	174.1	171.3	169.9	168.5
40°	138.7	141.6	141.6	138.7	134.5
42.5°	113.3	116.1	118.9	113.3	109.0
45°	94.9	97.7	100.5	94.9	93.4
47.5°	83.5	84.9	86.4	83.5	82.1
50°	75.0	75.0	75.0	73.6	73.6
52.5°	69.4	68.0	66.5	68.0	68.0
55°	63.7	63.7	60.9	62.3	63.7
57.5°	59.5	58.0	56.6	58.0	59.5
60°	56.6	53.8	52.4	53.8	56.6
62.5°	53.8	51.0	48.1	51.0	53.8
65°	52.4	48.1	45.3	48.1	52.4
67.5°	51.0	45.3	41.1	45.3	51.0
70°	51.0	42.5	36.8	42.5	49.6
72.5°	49.6	39.6	34.0	39.6	49.6
75°	48.1	36.8	29.7	36.8	48.1
77.5°	46.7	34.0	25.5	34.0	45.3
80°	41.1	31.1	21.2	31.1	38.2
82.5°	29.7	25.5	17.0	25.5	28.3
85°	17.0	18.4	9.9	18.4	17.0
87.5°	2.8	4.2	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)