

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: P1315780

Luminaire Tested: P3SQAS02R209827DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315780
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R209827DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

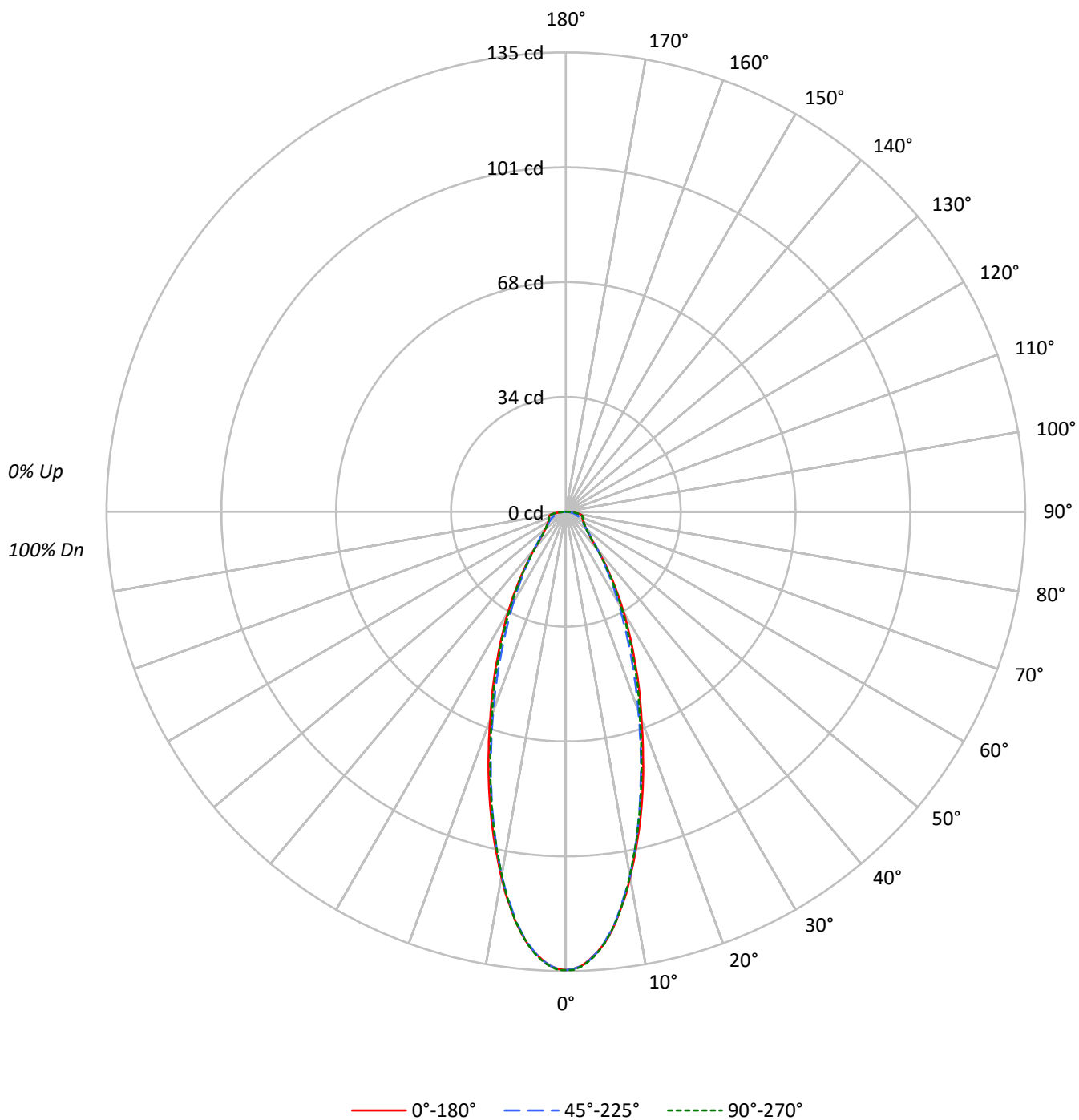
Lumens per Lamp: N/A
Luminaire Lumens: 95.0 lumens
Efficiency: N/A
Efficacy: 26.4 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	98	90	84	79	96	88	83	78	85	81	77		83	79	75		81
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	68	64		72	67	64		71
6	82	72	65	60	81	71	65	60	69	64	59		68	63	59		67
7	78	67	61	56	77	67	60	56	65	60	55		64	59	55		63
8	74	63	57	52	73	63	57	52	62	56	52		61	55	52		60
9	71	60	53	49	69	59	53	49	58	53	49		58	52	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23198	23198	23198
5°	22077	22025	22077
10°	19062	18992	18974
15°	15458	15102	15173
20°	11913	11400	11601
25°	9045	8380	8798
30°	6722	6125	6523
35°	4752	4436	4667
40°	3260	3260	3192
45°	2411	2533	2411
50°	2117	2117	2117
55°	2012	1952	2012
60°	2067	1894	2067
65°	2241	1915	2241
70°	2669	1913	2669
75°	3460	2129	3460
80°	4265	2182	4166
85°	3359	1976	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 4265 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.6	12.2
10°-20°	23.6	24.8
20°-30°	21.1	22.2
30°-40°	13.8	14.6
40°-50°	8.0	8.5
50°-60°	6.0	6.3
60°-70°	5.0	5.3
70°-80°	4.2	4.4
80°-90°	1.7	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°	56.2	59.2
0°-40°	70.0	73.7
0°-60°	84.1	88.5
0°-90°	95.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	95.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	135	135	135	135	135	
5°	128	128	127	128	128	12
15°	87	86	85	85	85	24
25°	48	46	44	45	46	22
35°	23	22	21	22	22	14
45°	10	10	10	10	10	8
55°	7	6	6	6	7	6
65°	6	5	5	5	6	5
75°	5	4	3	4	5	5
85°	2	2	1	2	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	134.7	134.7	134.7	134.7	134.7
1°	134.4	134.5	134.4	134.5	134.7
2°	133.5	133.7	133.5	133.5	133.7
3°	131.9	132.0	132.0	132.0	132.2
4°	129.9	130.0	129.9	130.0	130.2
5°	127.7	127.5	127.4	127.5	127.7
6°	124.7	124.5	124.3	124.5	124.7
7°	121.3	121.2	121.0	121.0	121.2
8°	117.2	117.3	116.8	117.2	117.3
9°	113.5	113.1	112.8	112.8	113.1
10°	109.0	108.6	108.6	108.5	108.5
12.5°	97.9	97.3	96.8	96.8	96.9
15°	86.7	85.9	84.7	84.9	85.1
17.5°	75.5	74.5	73.0	73.4	73.7
20°	65.0	64.0	62.2	62.8	63.3
22.5°	56.0	54.5	52.8	53.3	55.0
25°	47.6	46.3	44.1	45.3	46.3
27.5°	40.3	38.8	36.9	38.1	39.1
30°	33.8	32.4	30.8	31.8	32.8
32.5°	27.9	26.7	25.6	26.2	27.1
35°	22.6	21.9	21.1	21.7	22.2
37.5°	18.2	17.9	17.5	17.9	17.7
40°	14.5	14.7	14.5	14.5	14.2
42.5°	11.5	12.0	12.2	11.9	11.5
45°	9.9	10.0	10.4	10.0	9.9
47.5°	8.7	8.7	8.9	8.7	8.5
50°	7.9	7.9	7.9	7.9	7.9
52.5°	7.2	7.2	7.0	7.2	7.2
55°	6.7	6.5	6.5	6.5	6.7
57.5°	6.4	6.2	6.0	6.2	6.4
60°	6.0	5.7	5.5	5.7	6.0
62.5°	5.7	5.3	5.2	5.3	5.7
65°	5.5	5.0	4.7	5.0	5.5
67.5°	5.3	4.7	4.3	4.7	5.5
70°	5.3	4.3	3.8	4.5	5.3
72.5°	5.2	4.2	3.5	4.2	5.2
75°	5.2	3.8	3.2	3.8	5.2
77.5°	4.8	3.5	2.7	3.5	4.8
80°	4.3	3.2	2.2	3.2	4.2
82.5°	3.2	2.7	1.7	2.7	3.2
85°	1.7	1.8	1.0	1.8	1.8
87.5°	0.2	0.7	0.3	1.0	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)