

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: P1314907

Luminaire Tested: P3SQAS02R459740DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314907
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R459740DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

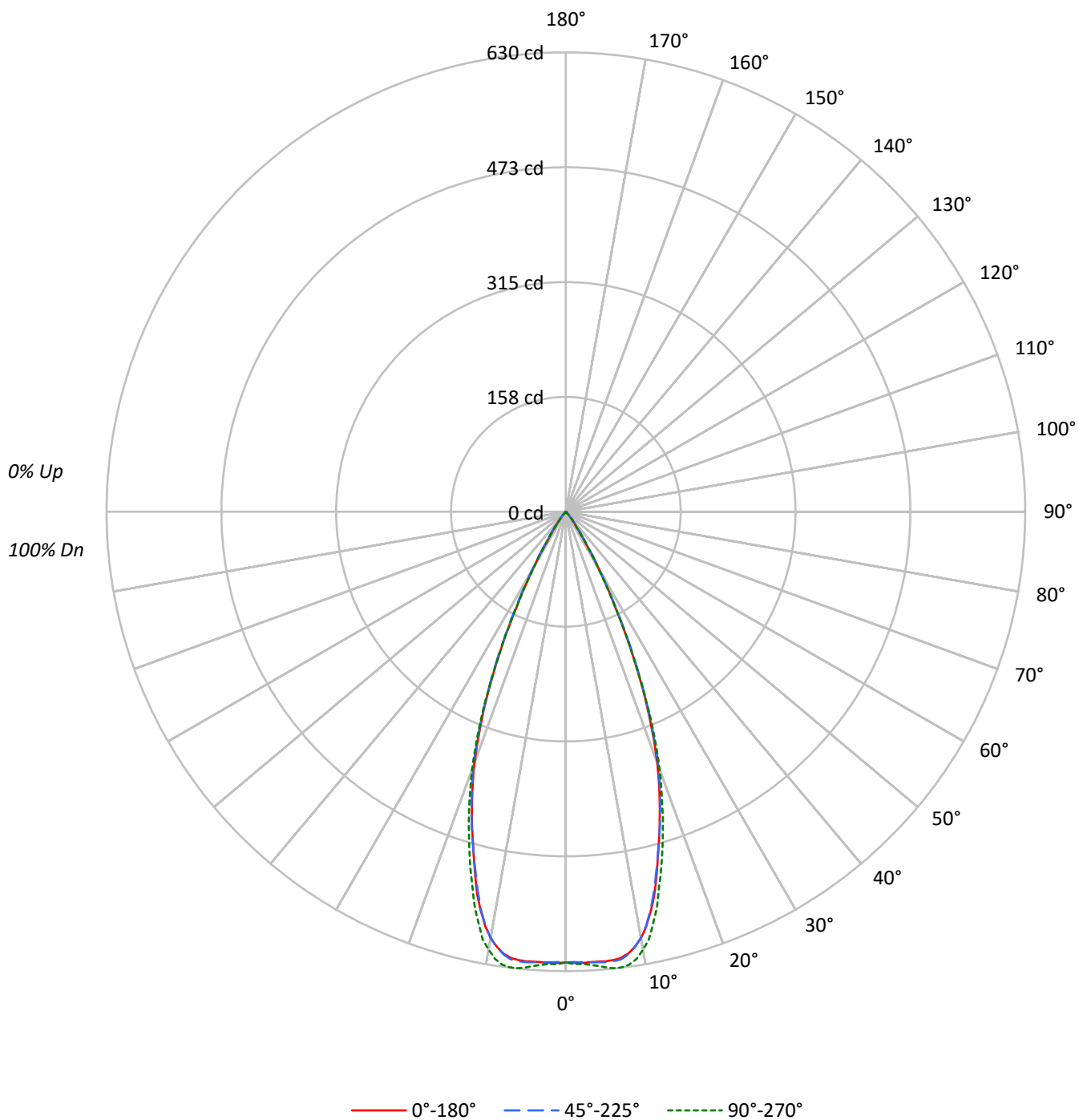
Lumens per Lamp: N/A
Luminaire Lumens: 320.0 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91		94	91	89		92	90	88	86
4	101	95	91	87	100	94	90	87	92	88	86		90	87	85		88	86	84	82
5	98	91	86	82	96	90	85	82	88	84	81		87	83	81		85	82	80	79
6	94	86	82	78	93	86	81	78	84	80	77		83	79	77		82	79	76	75
7	90	83	78	74	89	82	77	74	81	77	74		80	76	73		79	75	73	72
8	87	79	74	71	86	79	74	71	78	73	70		77	73	70		76	72	70	69
9	84	76	71	68	83	75	71	68	75	70	67		74	70	67		73	70	67	66
10	81	73	68	65	80	72	68	65	72	67	65		71	67	64		70	67	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	106485	106485	106485
5°	107013	107220	108431
10°	103843	103756	106641
15°	87027	86974	90183
20°	67280	67959	68912
25°	41236	42091	41331
30°	17679	18475	17122
35°	5550	6686	5403
40°	1911	2451	1866
45°	341	1023	292
50°	188	375	188
55°	210	210	210
60°	172	172	172
65°	204	204	204
70°	101	101	101
75°	133	133	133
80°	198	198	198
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1023 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.8	18.4
10°-20°	135.8	42.4
20°-30°	99.4	31.1
30°-40°	22.0	6.9
40°-50°	2.7	0.8
50°-60°	0.6	0.2
60°-70°	0.5	0.1
70°-80°	0.2	0.1
80°-90°	0.0	0.0
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°	294.0	91.9
0°-40°	315.9	98.7
0°-60°	319.2	99.8
0°-90°	320.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	320.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	618	618	618	618	618	
5°	619	618	620	625	627	58
15°	488	486	488	500	506	135
25°	217	217	222	220	218	98
35°	26	28	32	28	26	21
45°	1	2	4	2	1	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	618.3	618.3	618.3	618.3	618.3
1°	618.8	617.8	617.6	619.2	620.4
2°	619.2	618.0	618.3	619.9	620.6
3°	618.8	617.6	618.8	621.1	622.1
4°	618.5	618.0	619.2	622.5	624.2
5°	619.0	618.5	620.2	624.7	627.2
6°	618.3	617.6	619.9	625.6	629.4
7°	616.6	615.9	618.5	625.4	629.6
8°	612.2	610.7	613.3	621.8	627.0
9°	604.1	602.2	604.8	614.7	620.9
10°	593.8	591.6	593.3	603.0	609.8
11°	578.9	576.1	577.9	588.3	597.3
12°	560.0	556.0	558.4	570.2	576.5
13°	539.5	535.7	536.2	546.8	555.8
14°	514.0	509.1	511.2	522.3	529.4
15°	488.1	485.5	487.8	499.6	505.8
17.5°	428.6	428.4	430.5	439.2	442.5
20°	367.1	367.8	370.8	375.5	376.0
22.5°	294.2	294.4	297.7	301.0	300.3
25°	217.0	216.8	221.5	219.9	217.5
27.5°	143.9	144.8	149.1	146.0	143.7
30°	88.9	90.8	92.9	89.2	86.1
32.5°	48.1	51.2	54.3	51.0	47.9
35°	26.4	27.8	31.8	27.8	25.7
37.5°	15.3	16.0	18.6	16.0	14.6
40°	8.5	9.7	10.9	9.7	8.3
42.5°	3.5	5.4	6.6	5.4	3.5
45°	1.4	2.4	4.2	2.4	1.2
47.5°	0.7	0.9	2.6	0.9	0.7
50°	0.7	0.7	1.4	0.7	0.7
52.5°	0.7	0.7	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	0.7
60°	0.5	0.5	0.5	0.7	0.5
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.2	0.2	0.2	0.5	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)