

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: P1317309

Luminaire Tested: P3SQAS17R459830DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317309
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: P3SQAS17R459830DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

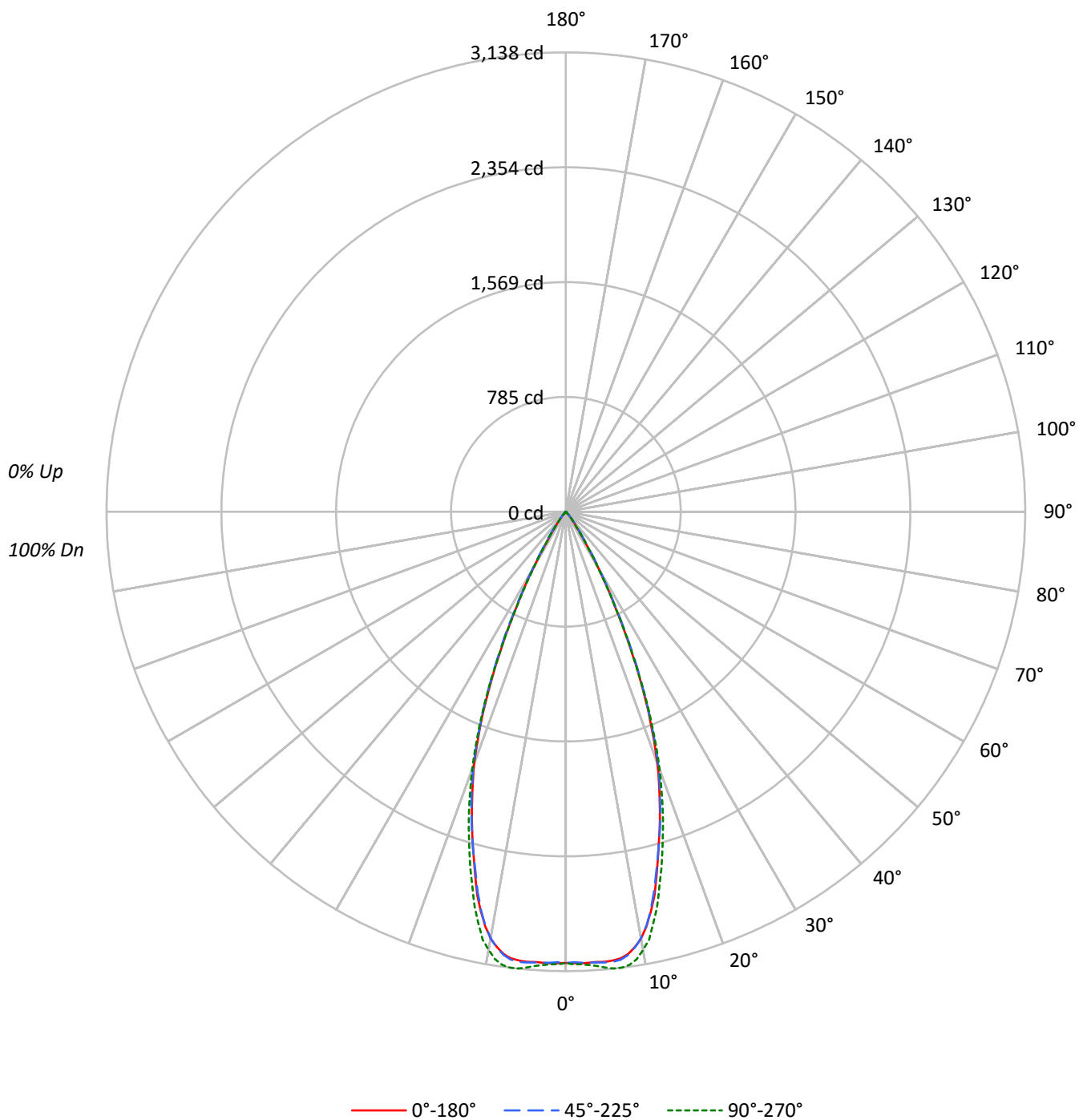
Lumens per Lamp: N/A
Luminaire Lumens: 1595.1 lumens
Efficiency: N/A
Efficacy: 78.2 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	81	85	82	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	530756	530756	530756
5°	533388	534408	540494
10°	517556	517136	531529
15°	433746	433532	449471
20°	335303	338748	343495
25°	205552	209808	206008
30°	88157	92134	85353
35°	27689	33366	26953
40°	9510	12163	9263
45°	1729	5163	1437
50°	938	1902	938
55°	1051	1051	1051
60°	827	827	827
65°	978	978	978
70°	604	604	604
75°	799	799	799
80°	1190	1190	1190
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 5163 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.9	18.4
10°-20°	676.8	42.4
20°-30°	495.5	31.1
30°-40°	109.5	6.9
40°-50°	13.4	0.8
50°-60°	3.1	0.2
60°-70°	2.3	0.1
70°-80°	1.3	0.1
80°-90°	0.2	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°	1465.2	91.9
0°-40°	1574.7	98.7
0°-60°	1591.3	99.8
0°-90°	1595.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1595.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3082	3082	3082	3082	3082	
5°	3085	3083	3091	3114	3126	291
15°	2433	2420	2432	2490	2521	671
25°	1082	1081	1104	1096	1084	490
35°	132	139	159	139	128	104
45°	7	12	21	12	6	10
55°	4	4	4	4	4	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
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°	3081.8	3081.8	3081.8	3081.8	3081.8
1°	3084.1	3079.4	3078.2	3086.5	3092.3
2°	3086.5	3080.6	3081.8	3090.0	3093.5
3°	3084.1	3078.2	3084.1	3095.9	3100.6
4°	3082.9	3080.6	3086.5	3102.9	3111.2
5°	3085.3	3082.9	3091.2	3113.5	3126.4
6°	3081.8	3078.2	3090.0	3118.2	3137.0
7°	3073.5	3070.0	3082.9	3117.0	3138.2
8°	3051.2	3044.1	3057.1	3099.4	3125.3
9°	3011.2	3001.8	3014.7	3064.1	3094.7
10°	2959.5	2948.9	2957.1	3005.3	3039.4
11°	2885.4	2871.3	2880.7	2932.4	2977.1
12°	2791.3	2771.3	2783.1	2841.9	2873.6
13°	2689.0	2670.2	2672.6	2725.5	2770.2
14°	2562.1	2537.4	2547.9	2603.2	2638.5
15°	2432.7	2419.8	2431.5	2490.3	2520.9
17.5°	2136.4	2135.2	2145.8	2189.3	2205.8
20°	1829.5	1833.1	1848.3	1871.9	1874.2
22.5°	1466.2	1467.4	1483.9	1500.3	1496.8
25°	1081.7	1080.6	1104.1	1095.8	1084.1
27.5°	717.2	721.9	743.1	727.8	716.1
30°	443.3	452.7	463.3	444.5	429.2
32.5°	239.9	255.1	270.4	254.0	238.7
35°	131.7	138.7	158.7	138.7	128.2
37.5°	76.4	80.0	92.9	80.0	72.9
40°	42.3	48.2	54.1	48.2	41.2
42.5°	17.6	27.0	32.9	27.0	17.6
45°	7.1	11.8	21.2	11.8	5.9
47.5°	3.5	4.7	12.9	4.7	3.5
50°	3.5	3.5	7.1	3.5	3.5
52.5°	3.5	3.5	3.5	3.5	3.5
55°	3.5	3.5	3.5	3.5	3.5
57.5°	3.5	3.5	3.5	3.5	3.5
60°	2.4	2.4	2.4	3.5	2.4
62.5°	2.4	2.4	2.4	2.4	2.4
65°	2.4	2.4	2.4	2.4	2.4
67.5°	2.4	2.4	2.4	2.4	2.4
70°	1.2	1.2	1.2	2.4	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2
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)