

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: P1311842

Luminaire Tested: P3SQAS24R609050D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311842
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R609050D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

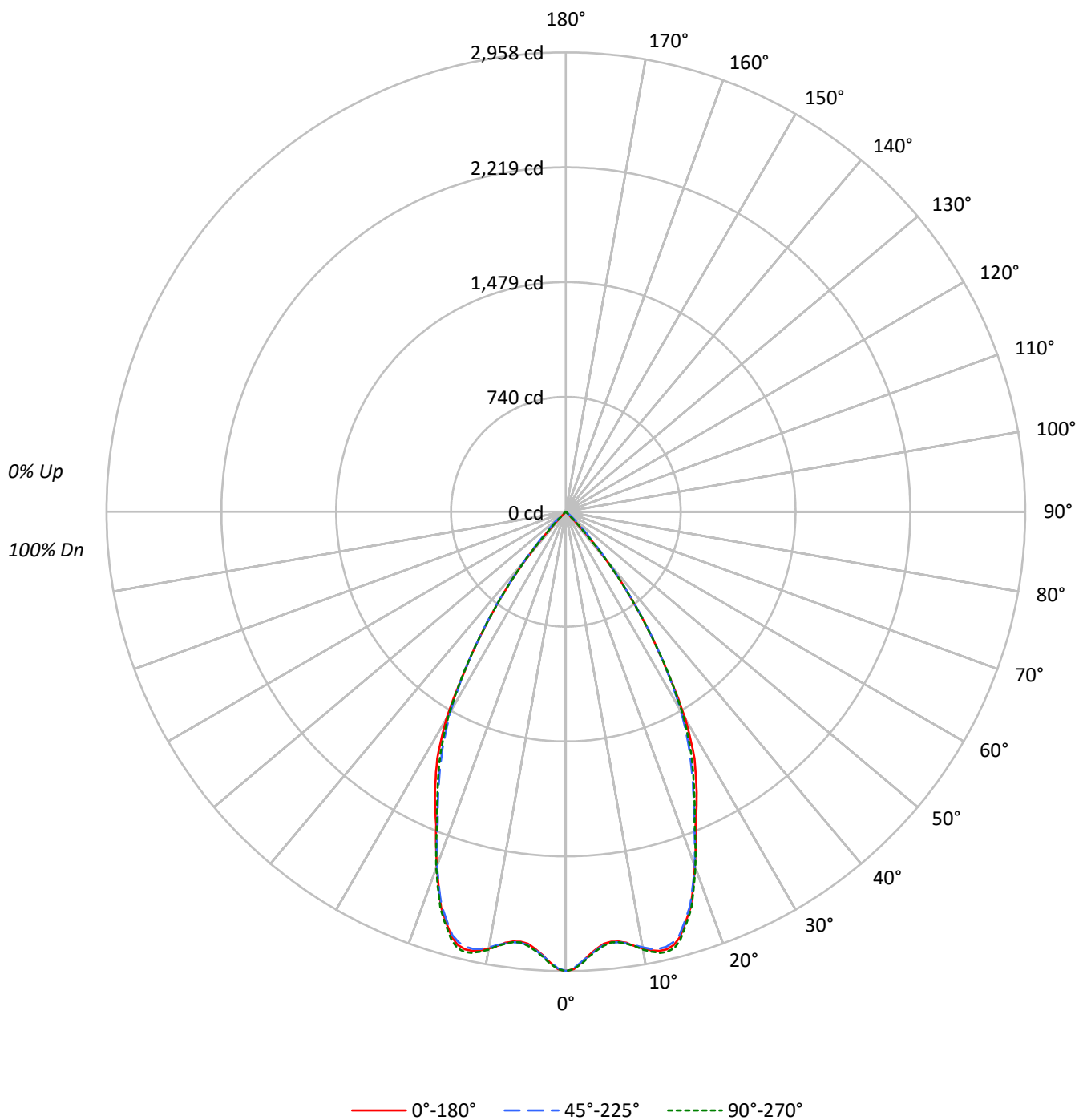
Lumens per Lamp: N/A
Luminaire Lumens: 2638.0 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.92 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	114	111	108	106	111	109	107	105	105	103	101		101	100	98		98
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88
4	98	90	85	81	96	89	84	80	87	83	79		85	81	79		83
5	93	85	79	75	91	84	79	75	82	77	74		80	76	73		79
6	88	80	74	70	87	79	73	69	77	73	69		76	72	68		75
7	84	75	69	65	83	74	69	65	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	76	67	61	57	75	66	61	57	65	60	57		65	60	57		64
10	73	63	58	54	72	63	57	54	62	57	54		61	57	53		61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	509366	509366	509366
5°	482769	484186	484895
10°	499526	498092	500610
15°	505617	503407	508559
20°	445213	444846	447101
25°	378856	367873	371027
30°	305776	295097	300028
35°	193531	195276	193089
40°	90490	94200	91884
45°	5529	33173	6527
50°	2760	7743	2760
55°	3093	3093	3093
60°	2859	2859	2859
65°	2527	3382	2527
70°	3122	3122	3122
75°	2728	2728	2728
80°	2083	2083	2083
85°	4150	4150	4150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 33173 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.5	10.2
10°-20°	776.4	29.4
20°-30°	894.9	33.9
30°-40°	574.7	21.8
40°-50°	100.0	3.8
50°-60°	9.5	0.4
60°-70°	7.3	0.3
70°-80°	4.3	0.2
80°-90°	1.4	0.1
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°	1940.8	73.6
0°-40°	2515.5	95.4
0°-60°	2624.9	99.5
0°-90°	2638.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2638.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2958	2958	2958	2958	2958	
5°	2792	2799	2801	2807	2805	269
15°	2836	2826	2823	2842	2852	777
25°	1994	1971	1936	1938	1952	909
35°	920	914	929	910	918	574
45°	23	68	136	80	27	75
55°	10	10	10	10	10	9
65°	6	8	8	8	6	7
75°	4	4	4	4	4	4
85°	2	2	2	2	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2957.6	2957.6	2957.6	2957.6	2957.6
1°	2945.2	2943.1	2941.1	2943.1	2945.2
2°	2903.9	2901.9	2899.8	2908.0	2912.2
3°	2858.5	2860.6	2862.6	2866.8	2868.8
4°	2821.4	2825.5	2827.5	2831.7	2833.7
5°	2792.5	2798.7	2800.7	2806.9	2804.8
6°	2784.2	2788.3	2790.4	2792.5	2788.3
7°	2788.3	2790.4	2792.5	2796.6	2792.5
8°	2802.8	2804.8	2806.9	2809.0	2809.0
9°	2831.7	2827.5	2825.5	2833.7	2831.7
10°	2856.4	2850.3	2848.2	2860.6	2862.6
11°	2877.1	2868.8	2866.8	2881.2	2885.3
12°	2891.5	2879.1	2877.1	2895.7	2903.9
13°	2891.5	2875.0	2875.0	2895.7	2908.0
14°	2875.0	2856.4	2856.4	2879.1	2893.6
15°	2835.8	2825.5	2823.4	2842.0	2852.3
17.5°	2670.7	2658.3	2660.4	2681.0	2683.1
20°	2429.2	2423.0	2427.2	2431.3	2439.5
22.5°	2183.6	2179.5	2156.8	2163.0	2167.1
25°	1993.7	1971.0	1935.9	1938.0	1952.5
27.5°	1793.5	1770.8	1721.3	1731.6	1746.1
30°	1537.6	1519.0	1483.9	1490.1	1508.7
32.5°	1207.4	1244.5	1211.5	1221.8	1215.6
35°	920.5	914.3	928.8	910.2	918.4
37.5°	648.1	650.1	656.3	639.8	639.8
40°	402.5	412.8	419.0	410.7	408.7
42.5°	169.2	231.2	243.5	231.2	171.3
45°	22.7	68.1	136.2	80.5	26.8
47.5°	10.3	14.4	72.2	14.4	10.3
50°	10.3	10.3	28.9	10.3	10.3
52.5°	10.3	10.3	10.3	10.3	10.3
55°	10.3	10.3	10.3	10.3	10.3
57.5°	10.3	10.3	10.3	10.3	10.3
60°	8.3	8.3	8.3	8.3	8.3
62.5°	8.3	8.3	8.3	8.3	8.3
65°	6.2	8.3	8.3	8.3	6.2
67.5°	6.2	6.2	6.2	6.2	6.2
70°	6.2	6.2	6.2	6.2	6.2
72.5°	4.1	4.1	4.1	4.1	4.1
75°	4.1	4.1	4.1	4.1	4.1
77.5°	4.1	4.1	4.1	4.1	4.1
80°	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	2.1	2.1
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)