

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: P1305937

Luminaire Tested: P3SQAS13R359024DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305937
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R359024DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

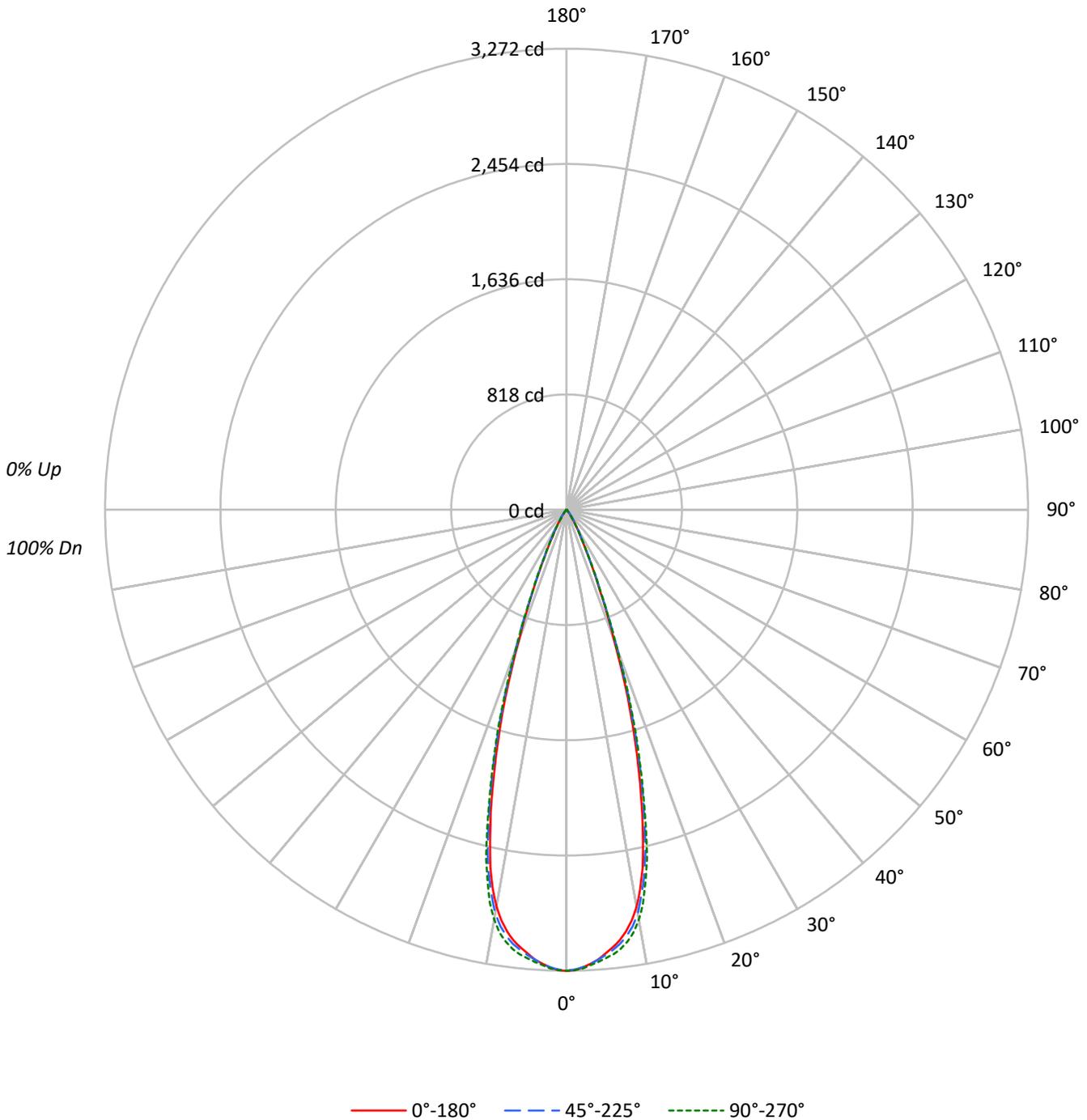
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1099.1 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (A_{in}): 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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	94	94	94	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	83	81	78	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	81	78	76	75
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	79	76	73	72
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	76	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	563461	563461	563461
5°	546786	548723	552422
10°	500173	508864	516664
15°	359021	372179	375995
20°	180600	191120	191596
25°	68448	70557	70899
30°	27801	31898	27284
35°	10092	15327	9734
40°	4249	6565	4047
45°	1047	2704	1047
50°	697	1152	697
55°	781	781	781
60°	896	896	896
65°	693	693	693
70°	453	453	453
75°	599	599	599
80°	893	893	893
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2704 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.8	26.9
10°-20°	551.1	50.1
20°-30°	198.2	18.0
30°-40°	41.6	3.8
40°-50°	7.2	0.7
50°-60°	2.4	0.2
60°-70°	1.7	0.2
70°-80°	1.0	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°	1045.1	95.1
0°-40°	1086.7	98.9
0°-60°	1096.3	99.7
0°-90°	1099.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1099.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3272	3272	3272	3272	3272	
5°	3163	3169	3174	3195	3195	293
15°	2014	2049	2087	2110	2109	536
25°	360	365	371	375	373	191
35°	48	57	73	56	46	37
45°	4	7	11	7	4	5
55°	3	3	3	3	3	2
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3271.7	3271.7	3271.7	3271.7	3271.7
1°	3270.0	3270.0	3263.2	3270.9	3268.3
2°	3252.0	3253.7	3249.4	3258.9	3258.0
3°	3227.1	3231.4	3228.0	3241.7	3237.4
4°	3200.6	3204.0	3202.3	3219.4	3217.7
5°	3162.8	3168.8	3174.0	3195.4	3195.4
6°	3124.2	3130.2	3141.4	3164.5	3172.3
7°	3079.6	3087.4	3105.4	3136.2	3141.4
8°	3023.0	3031.6	3056.5	3089.9	3096.8
9°	2952.7	2965.6	2993.9	3034.2	3038.5
10°	2860.1	2870.4	2909.8	2943.3	2954.4
11°	2740.0	2748.6	2783.8	2837.8	2844.7
12°	2594.2	2604.5	2650.0	2685.1	2692.0
13°	2409.9	2429.6	2484.5	2518.8	2537.6
14°	2220.3	2246.9	2286.4	2335.2	2323.2
15°	2013.6	2048.8	2087.4	2109.7	2108.8
17.5°	1506.8	1527.4	1561.7	1574.6	1591.7
20°	985.4	1012.0	1042.8	1054.8	1045.4
22.5°	611.5	618.3	627.8	632.9	631.2
25°	360.2	365.3	371.3	374.8	373.1
27.5°	217.0	229.0	237.6	227.3	221.3
30°	139.8	144.9	160.4	146.6	137.2
32.5°	83.2	95.2	108.1	91.8	79.8
35°	48.0	56.6	72.9	55.7	46.3
37.5°	30.9	35.2	47.2	34.3	30.0
40°	18.9	24.0	29.2	22.3	18.0
42.5°	9.4	14.6	17.2	12.9	9.4
45°	4.3	6.9	11.1	6.9	4.3
47.5°	2.6	3.4	6.9	3.4	2.6
50°	2.6	2.6	4.3	2.6	2.6
52.5°	2.6	2.6	2.6	2.6	2.6
55°	2.6	2.6	2.6	2.6	2.6
57.5°	2.6	2.6	2.6	2.6	2.6
60°	2.6	2.6	2.6	2.6	2.6
62.5°	1.7	1.7	1.7	1.7	1.7
65°	1.7	1.7	1.7	1.7	1.7
67.5°	1.7	1.7	1.7	1.7	1.7
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	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)