

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: P1312458

Luminaire Tested: P3SQAS13R359727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312458
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: P3SQAS13R359727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

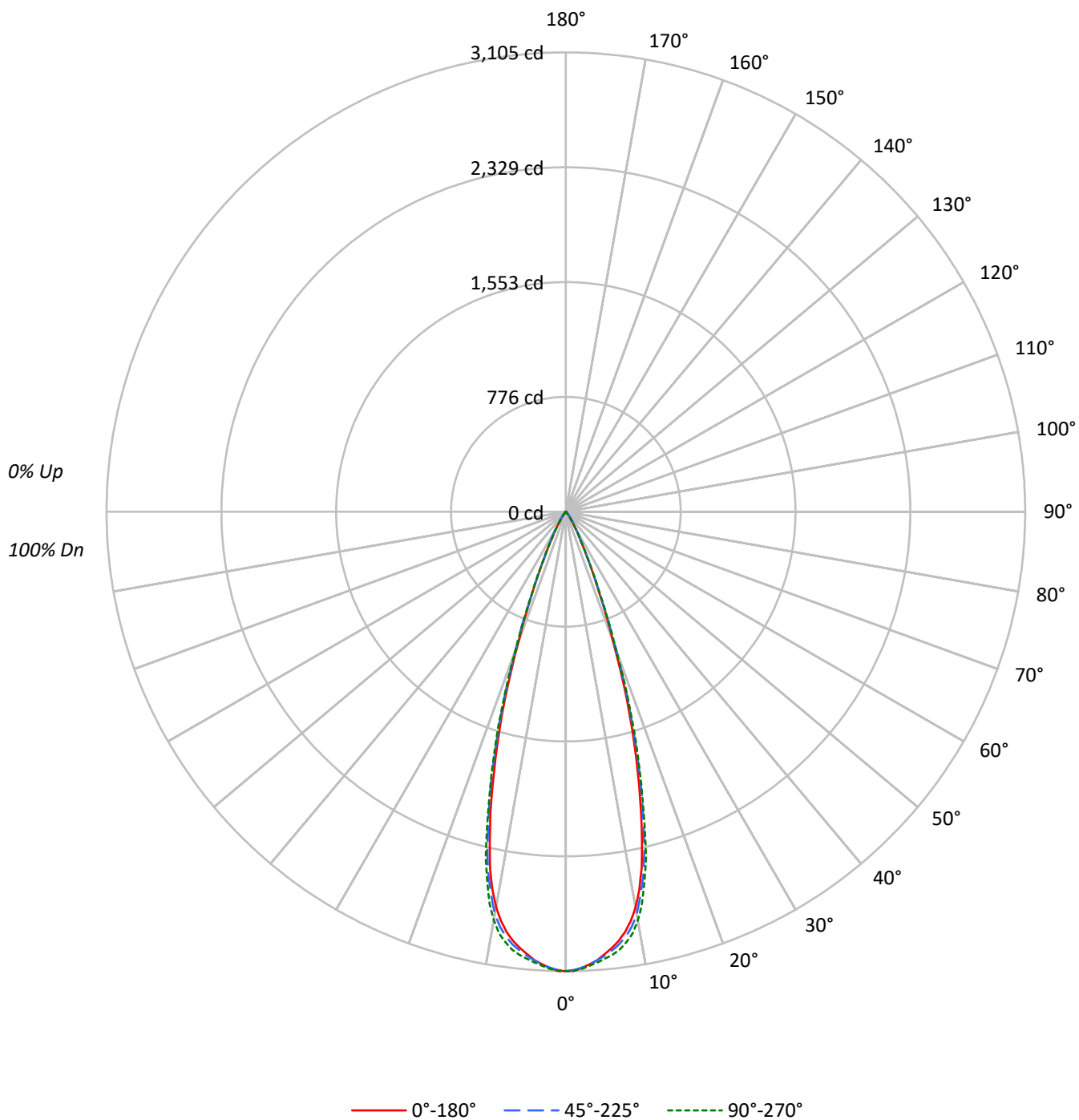
Lumens per Lamp: N/A
Luminaire Lumens: 1042.9 lumens
Efficiency: N/A
Efficacy: 71.4 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	534751	534751	534751
5°	518935	520751	524277
10°	474693	482947	490344
15°	340727	353208	356846
20°	171399	181388	181828
25°	64951	66965	67269
30°	26389	30267	25892
35°	9587	14549	9251
40°	4024	6228	3844
45°	999	2582	999
50°	643	1099	643
55°	721	721	721
60°	827	827	827
65°	652	652	652
70°	403	403	403
75°	532	532	532
80°	793	793	793
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2582 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.7	26.9
10°-20°	523.0	50.1
20°-30°	188.1	18.0
30°-40°	39.5	3.8
40°-50°	6.8	0.7
50°-60°	2.2	0.2
60°-70°	1.6	0.2
70°-80°	0.8	0.1
80°-90°	0.1	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°	991.8	95.1
0°-40°	1031.4	98.9
0°-60°	1040.4	99.8
0°-90°	1042.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1042.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3105	3105	3105	3105	3105	
5°	3002	3007	3012	3033	3033	278
15°	1911	1944	1981	2002	2001	509
25°	342	347	352	356	354	182
35°	46	54	69	53	44	35
45°	4	6	11	6	4	5
55°	2	2	2	2	2	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3105.0	3105.0	3105.0	3105.0	3105.0
1°	3103.4	3103.4	3096.9	3104.2	3101.8
2°	3086.3	3087.9	3083.9	3092.8	3092.0
3°	3062.7	3066.8	3063.5	3076.5	3072.5
4°	3037.5	3040.7	3039.1	3055.4	3053.7
5°	3001.7	3007.4	3012.2	3032.6	3032.6
6°	2965.0	2970.7	2981.3	3003.3	3010.6
7°	2922.7	2930.0	2947.1	2976.4	2981.3
8°	2869.0	2877.1	2900.7	2932.5	2939.0
9°	2802.3	2814.5	2841.3	2879.6	2883.6
10°	2714.4	2724.1	2761.6	2793.3	2803.9
11°	2600.4	2608.5	2641.9	2693.2	2699.7
12°	2462.0	2471.8	2514.9	2548.3	2554.8
13°	2287.1	2305.8	2357.9	2390.4	2408.3
14°	2107.2	2132.4	2169.9	2216.2	2204.9
15°	1911.0	1944.4	1981.0	2002.2	2001.4
17.5°	1430.0	1449.6	1482.1	1494.3	1510.6
20°	935.2	960.4	989.7	1001.1	992.1
22.5°	580.3	586.8	595.8	600.7	599.0
25°	341.8	346.7	352.4	355.7	354.0
27.5°	205.9	217.3	225.5	215.7	210.0
30°	132.7	137.5	152.2	139.2	130.2
32.5°	78.9	90.3	102.6	87.1	75.7
35°	45.6	53.7	69.2	52.9	44.0
37.5°	29.3	33.4	44.8	32.6	28.5
40°	17.9	22.8	27.7	21.2	17.1
42.5°	9.0	13.8	16.3	12.2	9.0
45°	4.1	6.5	10.6	6.5	4.1
47.5°	2.4	3.3	6.5	3.3	2.4
50°	2.4	2.4	4.1	2.4	2.4
52.5°	2.4	2.4	2.4	2.4	2.4
55°	2.4	2.4	2.4	2.4	2.4
57.5°	2.4	2.4	2.4	2.4	2.4
60°	2.4	2.4	2.4	2.4	2.4
62.5°	1.6	1.6	1.6	1.6	1.6
65°	1.6	1.6	1.6	1.6	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	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)