

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: P1306909

Luminaire Tested: P3SQAS13R359027DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306909
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: P3SQAS13R359027DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

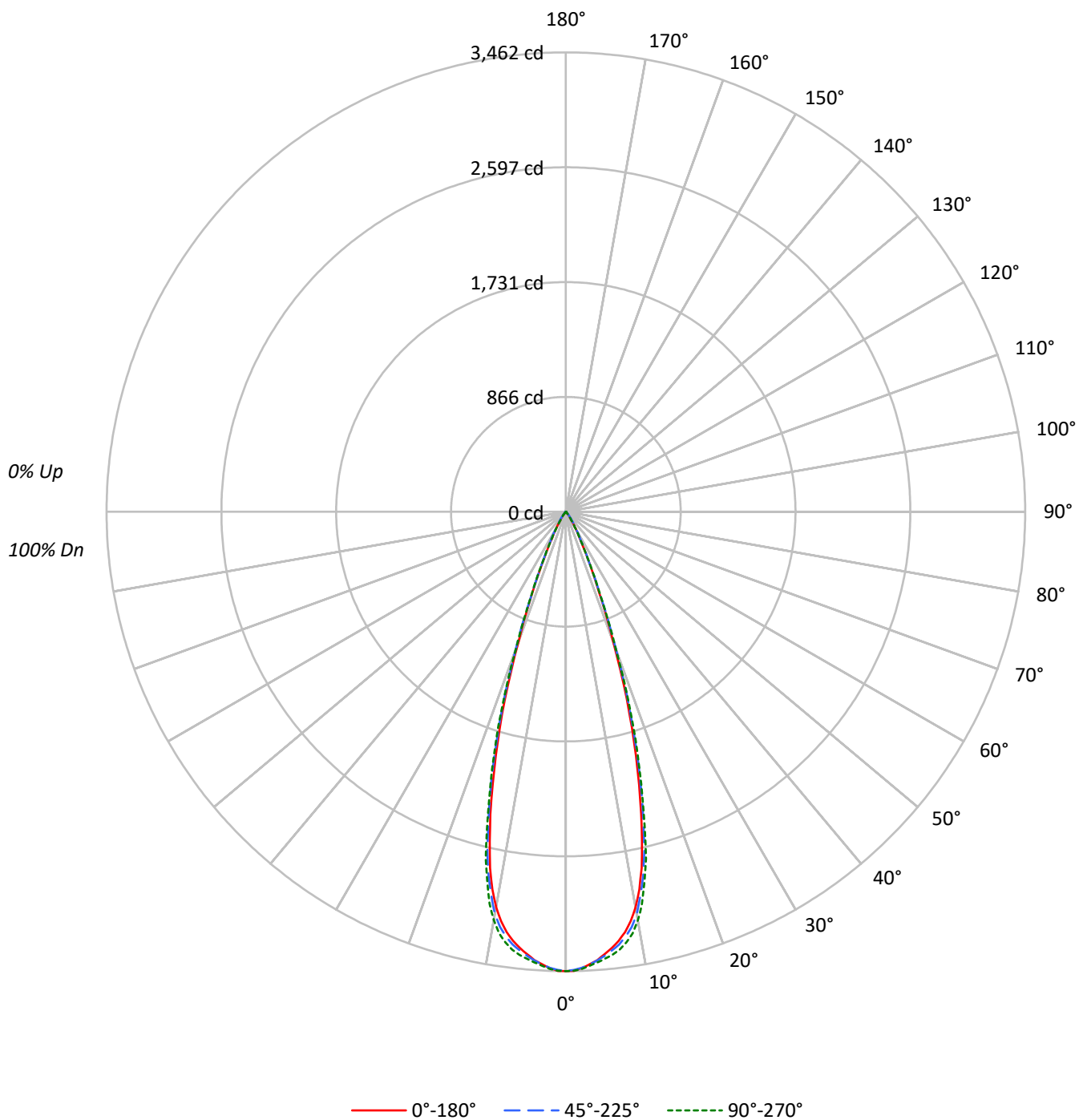
Lumens per Lamp: N/A
Luminaire Lumens: 1163.0 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			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	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97	95	94	93
3	107	102	98	95	105	101	97	95	98	96	93		96	94	92		94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89		93	90	88		91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85		90	87	85		89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82		87	84	82		86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79		84	81	79		83	81	78	77
8	91	84	80	77	90	84	79	77	83	79	76		82	78	76		81	78	76	75
9	88	81	77	74	88	81	77	74	80	76	74		79	76	74		79	76	73	72
10	86	79	75	72	85	78	74	72	78	74	71		77	74	71		76	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	596286	596286	596286
5°	578631	580671	584595
10°	529290	538506	546761
15°	379935	393860	397890
20°	191120	202263	202758
25°	72438	74680	75023
30°	29412	33747	28875
35°	10680	16210	10302
40°	4496	6947	4294
45°	1096	2874	1096
50°	723	1206	723
55°	811	811	811
60°	930	930	930
65°	734	734	734
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: 2874 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.0	26.9
10°-20°	583.2	50.1
20°-30°	209.7	18.0
30°-40°	44.1	3.8
40°-50°	7.6	0.7
50°-60°	2.5	0.2
60°-70°	1.8	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°	1106.0	95.1
0°-40°	1150.0	98.9
0°-60°	1160.1	99.8
0°-90°	1163.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1163.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3462	3462	3462	3462	3462	
5°	3347	3353	3359	3382	3382	310
15°	2131	2168	2209	2232	2232	567
25°	381	387	393	397	395	203
35°	51	60	77	59	49	39
45°	4	7	12	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3462.3	3462.3	3462.3	3462.3	3462.3
1°	3460.5	3460.5	3453.2	3461.4	3458.6
2°	3441.4	3443.2	3438.7	3448.7	3447.7
3°	3415.1	3419.6	3416.0	3430.5	3426.0
4°	3386.9	3390.6	3388.8	3406.9	3405.1
5°	3347.0	3353.4	3358.8	3381.5	3381.5
6°	3306.2	3312.5	3324.3	3348.8	3357.0
7°	3259.0	3267.1	3286.2	3318.9	3324.3
8°	3199.1	3208.2	3234.5	3269.9	3277.1
9°	3124.7	3138.3	3168.2	3210.9	3215.4
10°	3026.6	3037.5	3079.3	3114.7	3126.5
11°	2899.6	2908.7	2945.9	3003.1	3010.3
12°	2745.3	2756.2	2804.3	2841.5	2848.8
13°	2550.2	2571.1	2629.1	2665.4	2685.4
14°	2349.6	2377.8	2419.5	2471.2	2458.5
15°	2130.9	2168.1	2209.0	2232.5	2231.6
17.5°	1594.5	1616.3	1652.6	1666.2	1684.4
20°	1042.8	1070.9	1103.6	1116.3	1106.3
22.5°	647.1	654.3	664.3	669.8	667.9
25°	381.2	386.6	393.0	396.6	394.8
27.5°	229.6	242.3	251.4	240.5	234.1
30°	147.9	153.4	169.7	155.2	145.2
32.5°	88.0	100.7	114.4	97.1	84.4
35°	50.8	59.9	77.1	59.0	49.0
37.5°	32.7	37.2	49.9	36.3	31.8
40°	20.0	25.4	30.9	23.6	19.1
42.5°	10.0	15.4	18.2	13.6	10.0
45°	4.5	7.3	11.8	7.3	4.5
47.5°	2.7	3.6	7.3	3.6	2.7
50°	2.7	2.7	4.5	2.7	2.7
52.5°	2.7	2.7	2.7	2.7	2.7
55°	2.7	2.7	2.7	2.7	2.7
57.5°	2.7	2.7	2.7	2.7	2.7
60°	2.7	2.7	2.7	2.7	2.7
62.5°	1.8	1.8	1.8	1.8	1.8
65°	1.8	1.8	1.8	1.8	1.8
67.5°	1.8	1.8	1.8	1.8	1.8
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)