

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: P1310278

Luminaire Tested: P3SQAS13R409040DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310278
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R409040DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

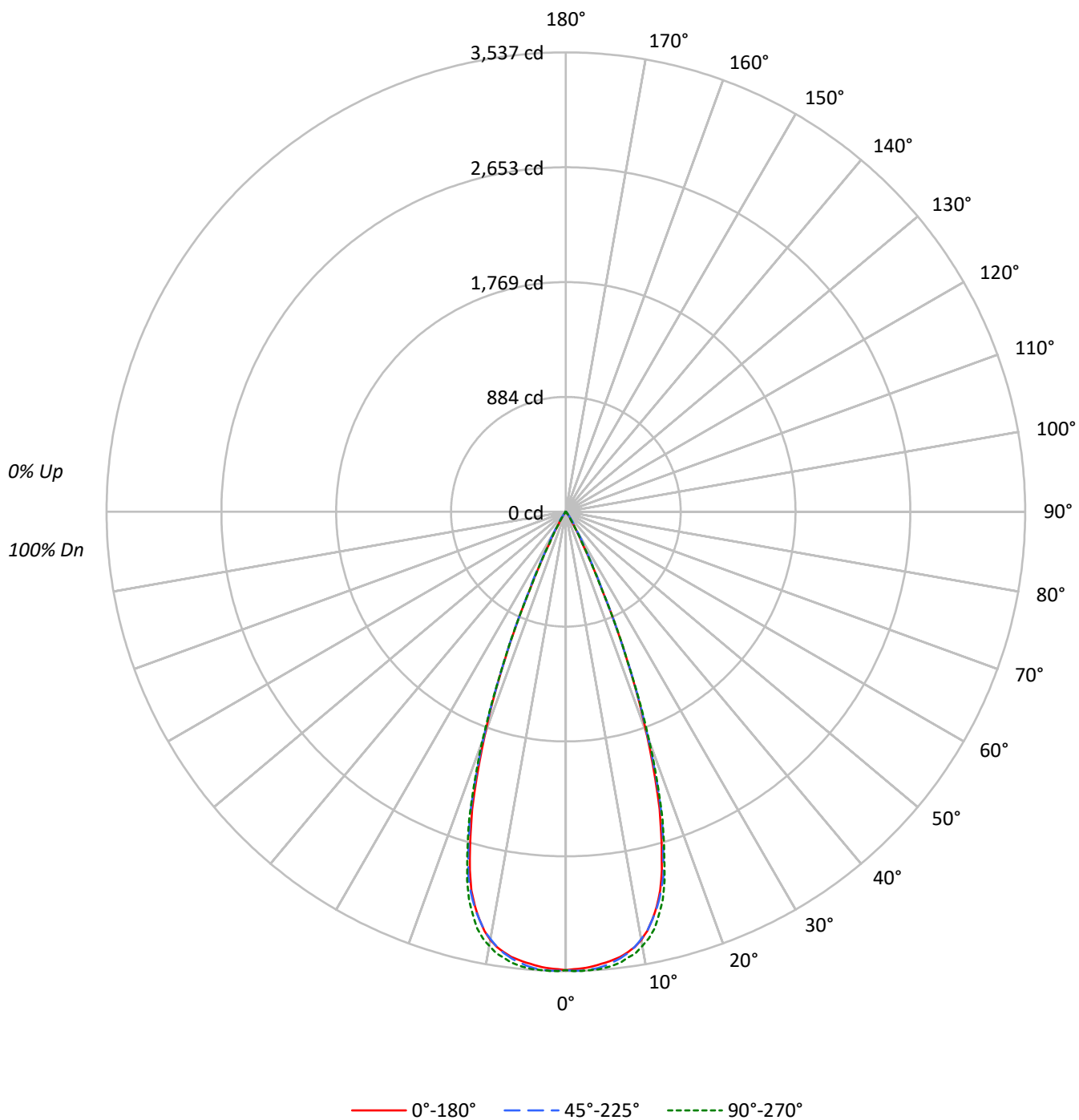
Lumens per Lamp: N/A
Luminaire Lumens: 1484.0 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1310278

CATALOG NUMBER: P3SQAS13R409040DE010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1310278

CATALOG NUMBER: P3SQAS13R409040DE010 E3SQCD1MB

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	102	100	102	100	98		99	97	96		97	95	94	92
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94	92	90	89
4	103	97	93	90	102	96	92	89	94	91	88		92	90	87		91	88	87	85
5	100	93	89	86	98	93	88	85	91	87	85		89	86	84		88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81		86	83	81		85	82	80	79
7	93	86	82	79	92	86	81	78	85	81	78		83	80	78		82	80	77	76
8	90	83	79	76	89	83	78	75	82	78	75		81	77	75		80	77	75	73
9	87	80	76	73	86	80	75	73	79	75	72		78	75	72		77	74	72	71
10	85	77	73	70	84	77	73	70	76	72	70		76	72	70		75	72	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	607774	607774	607774
5°	602506	606292	609196
10°	585357	584255	593383
15°	509219	517421	523750
20°	334203	340727	345126
25°	119147	126102	118558
30°	25972	35120	26191
35°	8347	14507	8136
40°	2585	4474	2361
45°	244	1534	244
50°	0	268	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1534 cd/sqm

TEST NUMBER: P1310278

CATALOG NUMBER: P3SQAS13R409040DE010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.0	22.2
10°-20°	768.6	51.8
20°-30°	344.7	23.2
30°-40°	37.2	2.5
40°-50°	3.5	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	1443.3	97.3
0°-40°	1480.5	99.8
0°-60°	1484.0	100.0
0°-90°	1484.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1484.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3529	3529	3529	3529	3529	
5°	3485	3494	3507	3512	3524	329
15°	2856	2877	2902	2919	2938	759
25°	627	646	664	675	624	335
35°	40	46	69	45	39	31
45°	1	2	6	2	1	2
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1310278

CATALOG NUMBER: P3SQAS13R409040DE010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3529.0	3529.0	3529.0	3529.0	3529.0
1°	3521.7	3529.0	3535.3	3530.0	3537.4
2°	3518.5	3526.9	3536.3	3531.1	3537.4
3°	3510.2	3520.6	3531.1	3527.9	3534.2
4°	3498.7	3507.0	3522.7	3522.7	3532.1
5°	3485.1	3494.5	3507.0	3512.3	3523.8
6°	3470.5	3475.7	3485.1	3495.6	3511.2
7°	3451.7	3451.7	3463.2	3473.6	3494.5
8°	3425.5	3423.4	3431.8	3445.4	3464.2
9°	3393.1	3385.8	3392.1	3412.0	3440.2
10°	3347.2	3340.9	3340.9	3366.0	3393.1
11°	3287.6	3285.5	3286.6	3310.6	3347.2
12°	3207.1	3209.2	3209.2	3236.4	3281.3
13°	3116.2	3115.2	3124.6	3154.9	3185.2
14°	3005.4	3011.7	3021.1	3048.3	3079.6
15°	2856.0	2876.9	2902.0	2918.7	2937.5
17.5°	2401.4	2422.3	2456.8	2470.4	2474.6
20°	1823.5	1853.8	1859.1	1886.2	1883.1
22.5°	1222.7	1220.6	1224.7	1227.9	1228.9
25°	627.0	645.8	663.6	675.1	623.9
27.5°	272.7	305.1	328.1	297.8	275.9
30°	130.6	148.4	176.6	149.4	131.7
32.5°	71.1	82.6	111.8	81.5	70.0
35°	39.7	46.0	69.0	44.9	38.7
37.5°	23.0	25.1	37.6	25.1	21.9
40°	11.5	14.6	19.9	14.6	10.5
42.5°	4.2	7.3	10.5	7.3	4.2
45°	1.0	2.1	6.3	2.1	1.0
47.5°	0.0	0.0	3.1	0.0	0.0
50°	0.0	0.0	1.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
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



TEST NUMBER: P1310278

CATALOG NUMBER: P3SQAS13R409040DE010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)