

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: P1297180

Luminaire Tested: P3A13R40W2N902765DE010 E3DL1LI_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297180
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R40W2N902765DE010 E3DL1LI_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI ,
E3DL1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

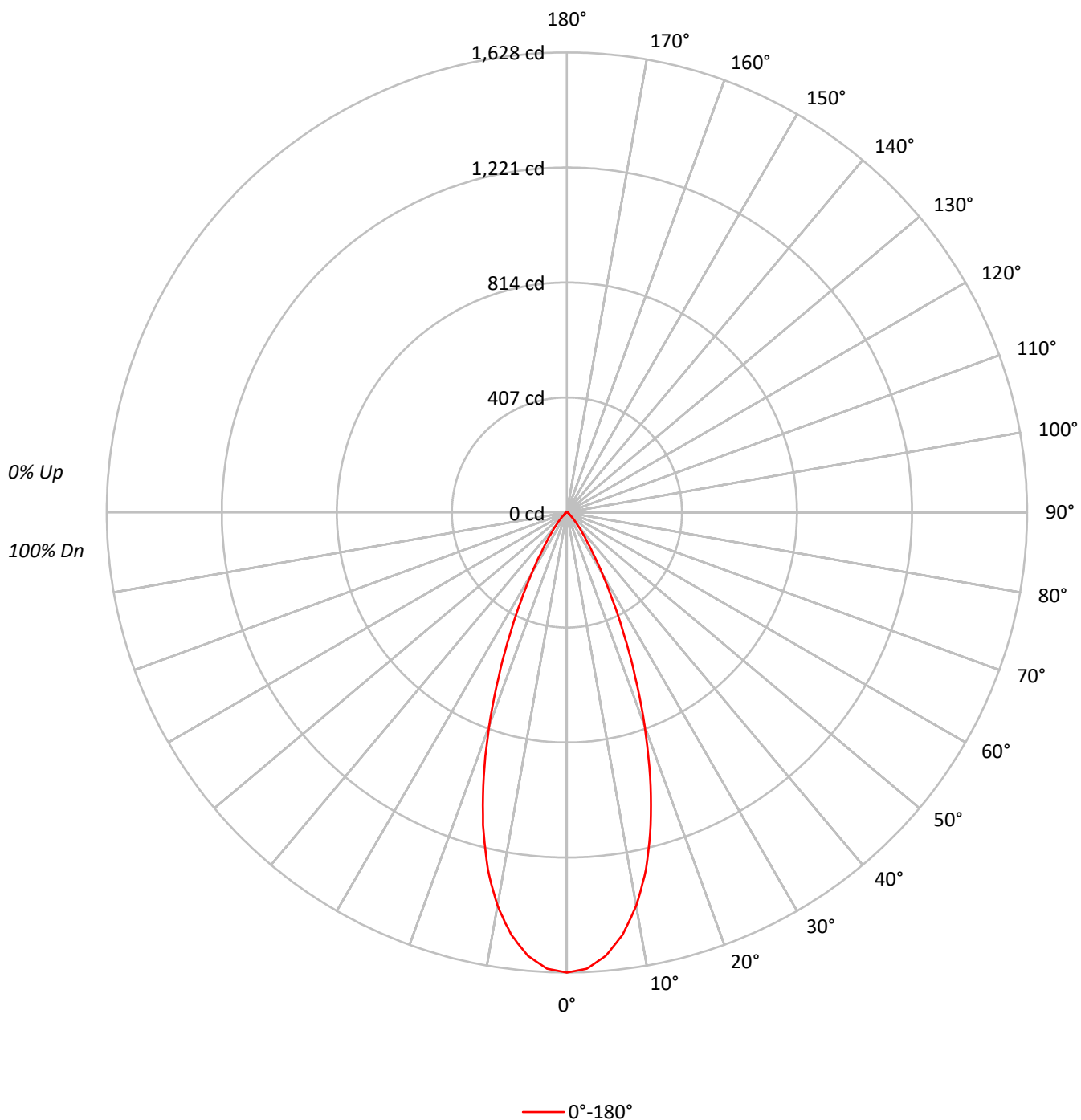
Lumens per Lamp: N/A
Luminaire Lumens: 807.0 lumens
Efficiency: N/A
Efficacy: 65.6 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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	114	111	109	107		112	109	107	105		105	104	102		102	100	99		98	97	96		94			
2	109	105	101	98		107	103	100	97		100	97	95		97	95	93		94	92	91		89			
3	104	99	94	91		102	97	93	90		95	91	88		92	89	87		90	88	86		84			
4	100	93	88	85		98	92	88	84		90	86	83		88	85	82		86	84	81		80			
5	96	88	83	79		94	88	83	79		86	82	78		84	81	78		83	80	77		76			
6	92	84	79	75		91	83	78	75		82	78	74		81	77	74		79	76	73		72			
7	88	80	75	71		87	79	74	71		78	74	71		77	73	70		76	73	70		69			
8	85	76	71	68		84	76	71	67		75	70	67		74	70	67		73	69	67		65			
9	82	73	68	64		81	73	68	64		72	67	64		71	67	64		70	66	64		63			
10	78	70	65	62		78	70	65	61		69	64	61		68	64	61		67	64	61		60			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	357099
5°	346708
10°	314623
15°	259933
20°	187500
25°	115966
30°	62794
35°	32444
40°	17633
45°	9892
50°	4947
55°	3708
60°	3333
65°	3217
70°	3077
75°	2965
80°	2652
85°	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9892 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.2	18.0
10°-20°	311.8	38.6
20°-30°	222.5	27.6
30°-40°	81.9	10.2
40°-50°	25.8	3.2
50°-60°	9.0	1.1
60°-70°	6.1	0.8
70°-80°	3.7	0.5
80°-90°	1.0	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°	679.5	84.2
0°-40°	761.4	94.3
0°-60°	796.1	98.7
0°-90°	807.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	807.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1628	
5°	1575	145
15°	1145	312
25°	479	222
35°	121	82
45°	32	26
55°	10	9
65°	6	6
75°	4	4
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1628.5
2.5°	1616.0
5°	1575.1
7.5°	1507.3
10°	1413.0
12.5°	1293.2
15°	1145.0
17.5°	978.7
20°	803.5
22.5°	631.0
25°	479.3
27.5°	351.9
30°	248.0
32.5°	173.9
35°	121.2
37.5°	85.9
40°	61.6
42.5°	44.3
45°	31.9
47.5°	21.5
50°	14.5
52.5°	10.4
55°	9.7
57.5°	9.0
60°	7.6
62.5°	6.9
65°	6.2
67.5°	5.5
70°	4.8
72.5°	4.2
75°	3.5
77.5°	2.8
80°	2.1
82.5°	1.4
85°	0.7
87.5°	0.7
90°	0.0

(END OF REPORT)