

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: P1297172

Luminaire Tested: P3A13R40W2N902765DE010 E3DL1GPH_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297172
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 E3DL1GPH_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 5000K CCT AND, 90CRI ,
E3DL1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

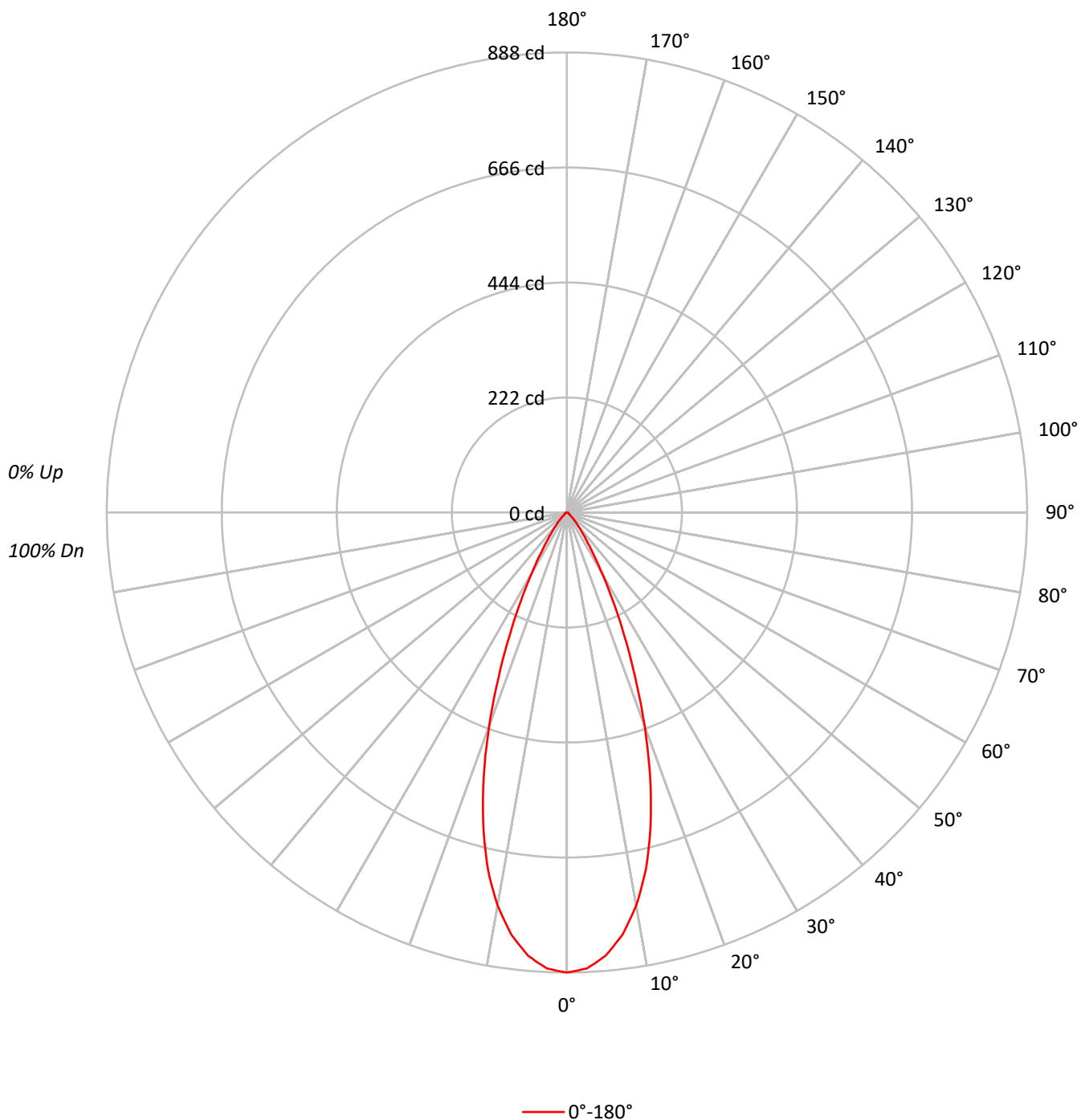
Lumens per Lamp: N/A
Luminaire Lumens: 440.0 lumens
Efficiency: N/A
Efficacy: 35.8 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1297172

CATALOG NUMBER: P3A13R40W2N902765DE010 E3DL1GPH_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1297172

CATALOG NUMBER: P3A13R40W2N902765DE010 E3DL1GPH_5000K

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	111	109	107		112	109	107	105		105	104	102		102	100	99		98	97	96
2	109	105	101	98		107	103	100	97		100	97	95		97	95	93		94	92	91
3	104	99	94	91		102	97	93	90		95	91	88		92	89	87		90	88	86
4	100	93	88	85		98	92	88	84		90	86	83		88	85	82		86	84	81
5	96	88	83	79		94	88	83	79		86	82	78		84	81	78		83	80	77
6	92	84	79	75		91	83	78	75		82	78	74		81	77	74		79	76	73
7	88	80	75	71		87	79	74	71		78	74	71		77	73	70		76	73	70
8	85	76	71	68		84	76	71	67		75	70	67		74	70	67		73	69	67
9	82	73	68	64		81	73	68	64		72	67	64		71	67	64		70	66	64
10	78	70	65	62		78	70	65	61		69	64	61		68	64	61		67	64	61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	194699
5°	189038
10°	171540
15°	141726
20°	102232
25°	63221
30°	34233
35°	17694
40°	9618
45°	5396
50°	2695
55°	2026
60°	1842
65°	1764
70°	1667
75°	1610
80°	1389
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 5396 cd/sqm

TEST NUMBER: P1297172

CATALOG NUMBER: P3A13R40W2N902765DE010 E3DL1GPH_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.2	18.0
10°-20°	170.0	38.6
20°-30°	121.3	27.6
30°-40°	44.7	10.1
40°-50°	14.1	3.2
50°-60°	4.9	1.1
60°-70°	3.4	0.8
70°-80°	2.0	0.5
80°-90°	0.6	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°	370.5	84.2
0°-40°	415.1	94.3
0°-60°	434.1	98.6
0°-90°	440.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	440.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	888	
5°	859	79
15°	624	170
25°	261	121
35°	66	45
45°	17	14
55°	5	5
65°	3	3
75°	2	2
85°	0	1
90°	0	

TEST NUMBER: P1297172

CATALOG NUMBER: P3A13R40W2N902765DE010 E3DL1GPH_5000K

CANDELA DISTRIBUTION (FULL):

	0°
0°	887.9
2.5°	881.1
5°	858.8
7.5°	821.8
10°	770.4
12.5°	705.1
15°	624.3
17.5°	533.6
20°	438.1
22.5°	344.1
25°	261.3
27.5°	191.9
30°	135.2
32.5°	94.8
35°	66.1
37.5°	46.8
40°	33.6
42.5°	24.2
45°	17.4
47.5°	11.7
50°	7.9
52.5°	5.7
55°	5.3
57.5°	4.9
60°	4.2
62.5°	3.8
65°	3.4
67.5°	3.0
70°	2.6
72.5°	2.3
75°	1.9
77.5°	1.5
80°	1.1
82.5°	0.8
85°	0.4
87.5°	0.4
90°	0.0

(END OF REPORT)