

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: P1426195

Luminaire Tested: P3A05RH9740DE010 E3HY1H

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426195
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-658-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05RH9740DE010 E3HY1H
Description: 3in Adjustable LED luminaire with, RH optic, 4000K CCT AND, 97CRI , E3HY1H TRIM
Light Source: -
Ballast/Driver: -

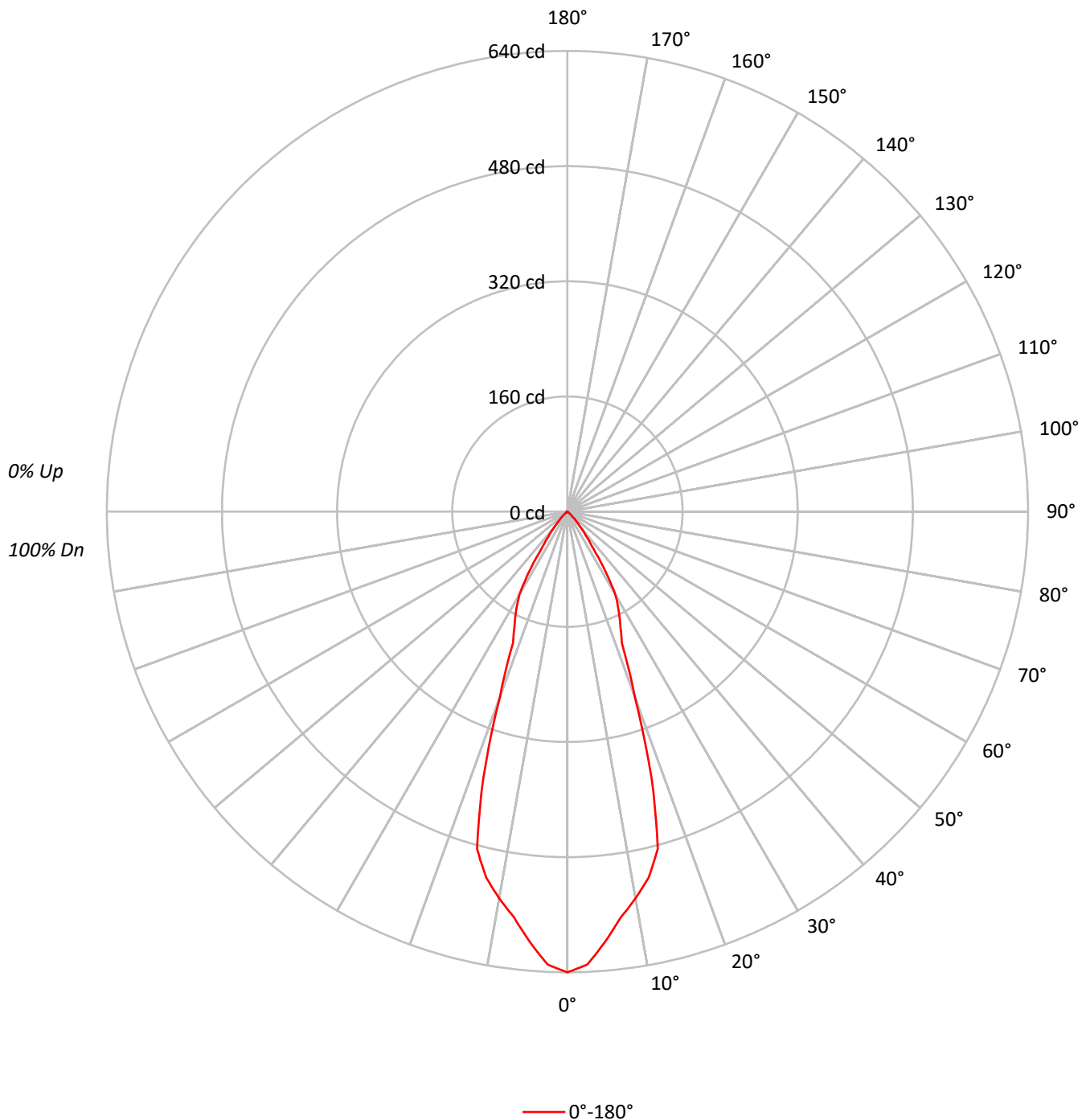
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 317.0 lumens
Efficiency: N/A
Efficacy: 44.0 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.58
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	112	109	107		112	110	108	106		106	104	103		102	101	99		98	98	97		95			
2	109	105	102	99		107	103	100	97		100	98	95		97	95	93		95	93	91		90			
3	105	99	95	91		103	98	94	91		95	92	89		93	90	88		91	88	86		85			
4	100	94	89	85		99	93	88	85		91	87	84		89	85	83		87	84	82		81			
5	96	89	84	80		95	88	83	80		86	82	79		85	81	78		83	80	78		76			
6	92	84	79	76		91	84	79	75		82	78	75		81	77	74		80	76	74		73			
7	88	80	75	72		87	80	75	71		79	74	71		77	74	71		76	73	70		69			
8	85	77	71	68		84	76	71	68		75	71	67		74	70	67		73	70	67		66			
9	82	73	68	65		81	73	68	65		72	67	64		71	67	64		70	67	64		63			
10	79	70	65	62		78	70	65	62		69	65	61		68	64	61		68	64	61		60			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	140340
5°	132027
10°	121485
15°	110103
20°	64102
25°	41978
30°	33853
35°	16731
40°	8473
45°	3752
50°	989
55°	191
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3752 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.5	17.5
10°-20°	124.1	39.1
20°-30°	82.7	26.1
30°-40°	43.7	13.8
40°-50°	10.3	3.2
50°-60°	0.7	0.2
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°	262.3	82.7
0°-40°	306.0	96.5
0°-60°	317.0	100.0
0°-90°	317.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	317.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	640	
5°	600	55
15°	485	124
25°	174	83
35°	62	44
45°	12	10
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	640.0
2.5°	629.9
5°	599.8
7.5°	568.3
10°	545.6
12.5°	520.8
15°	485.0
17.5°	389.5
20°	274.7
22.5°	197.2
25°	173.5
27.5°	154.1
30°	133.7
32.5°	99.8
35°	62.5
37.5°	42.6
40°	29.6
42.5°	19.4
45°	12.1
47.5°	6.8
50°	2.9
52.5°	1.5
55°	0.5
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)