

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: P1426201

Luminaire Tested: P3A05RH9827DE010 E3HY1H

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426201
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: P3A05RH9827DE010 E3HY1H
Description: 3in Adjustable LED luminaire with, RH optic, 2700K CCT AND, 98CRI , E3HY1H TRIM
Light Source: -
Ballast/Driver: -

Summary

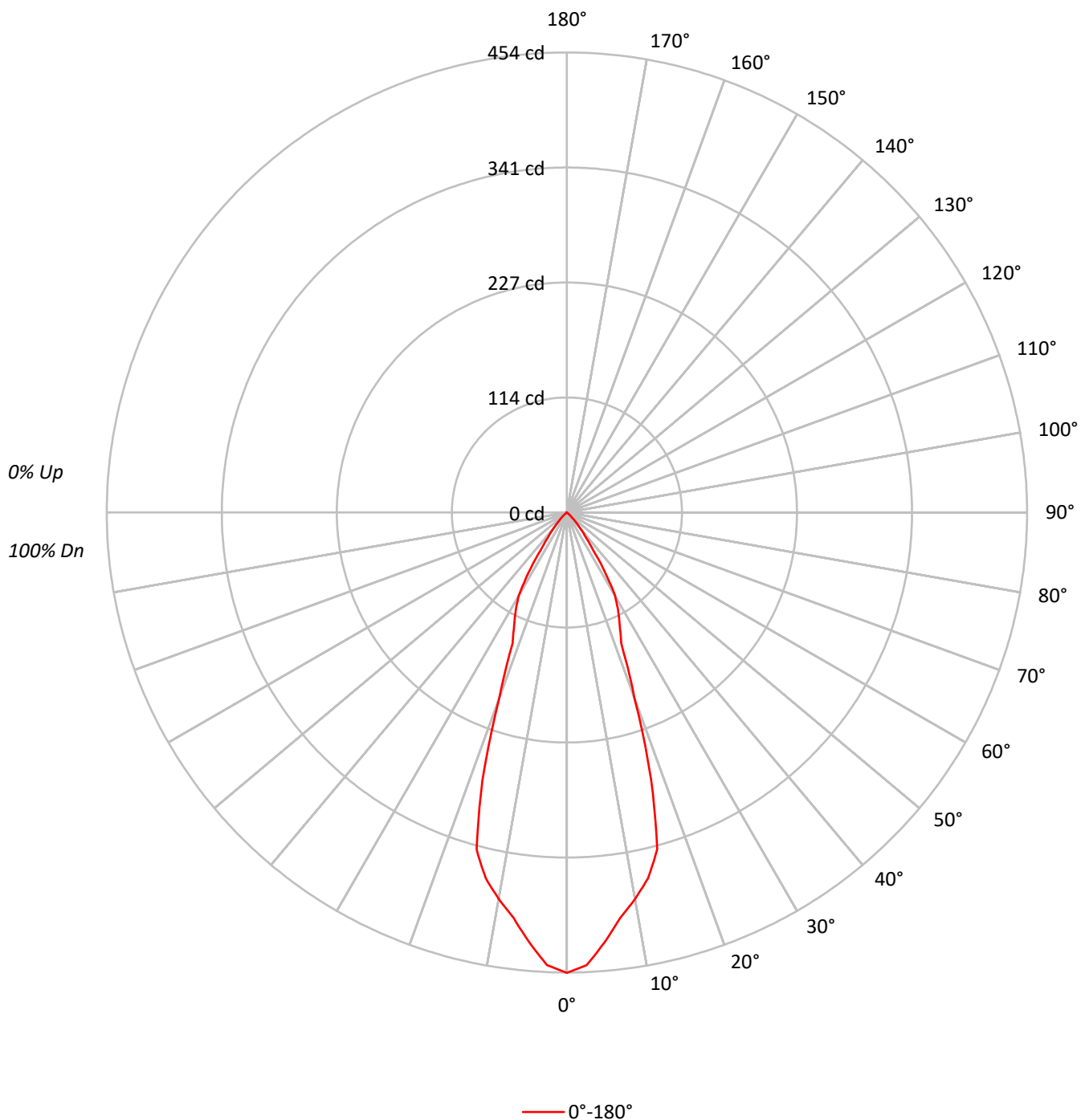
Lumens per Lamp: N/A
Luminaire Lumens: 225.0 lumens
Efficiency: N/A
Efficacy: 31.3 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.58
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1426201

CATALOG NUMBER: P3A05RH9827DE010 E3HY1H

Luminous Intensity Polar Plot



TEST NUMBER: P1426201

CATALOG NUMBER: P3A05RH9827DE010 E3HY1H

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	109	107	112	110	108	106	106	104	103		102	101	99		98
2	109	105	102	99	107	103	100	97	100	98	95		97	95	93		95
3	105	99	95	91	103	98	94	91	95	92	89		93	90	88		91
4	100	94	89	85	99	93	88	85	91	87	84		89	85	83		87
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83
6	92	84	79	76	91	84	79	75	82	78	75		81	77	74		80
7	88	80	75	72	87	80	75	71	79	74	71		77	74	71		76
8	85	77	71	68	84	76	71	68	75	71	68		74	70	67		73
9	82	73	68	65	81	73	68	65	72	67	64		71	67	64		70
10	79	70	65	62	78	70	65	62	69	65	61		68	64	61		68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	99619
5°	93704
10°	86215
15°	78139
20°	45504
25°	29784
30°	24029
35°	11886
40°	6011
45°	2667
50°	716
55°	115
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2667 cd/sqm

TEST NUMBER: P1426201

CATALOG NUMBER: P3A05RH9827DE010 E3HY1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.4	17.5
10°-20°	88.1	39.1
20°-30°	58.7	26.1
30°-40°	31.0	13.8
40°-50°	7.3	3.2
50°-60°	0.5	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°	186.2	82.7
0°-40°	217.2	96.5
0°-60°	225.0	100.0
0°-90°	225.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	225.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	454	
5°	426	39
15°	344	88
25°	123	59
35°	44	31
45°	9	7
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1426201

CATALOG NUMBER: P3A05RH9827DE010 E3HY1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	454.3
2.5°	447.1
5°	425.7
7.5°	403.4
10°	387.2
12.5°	369.7
15°	344.2
17.5°	276.5
20°	195.0
22.5°	140.0
25°	123.1
27.5°	109.4
30°	94.9
32.5°	70.8
35°	44.4
37.5°	30.3
40°	21.0
42.5°	13.8
45°	8.6
47.5°	4.8
50°	2.1
52.5°	1.0
55°	0.3
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)