

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: PORTFOLIO

Report Number: P742725

Luminaire Tested: LD4D10D010-EU4DR700210IC9024-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P742725
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D10D010-EU4DR700210IC9024-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 880.1 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): 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



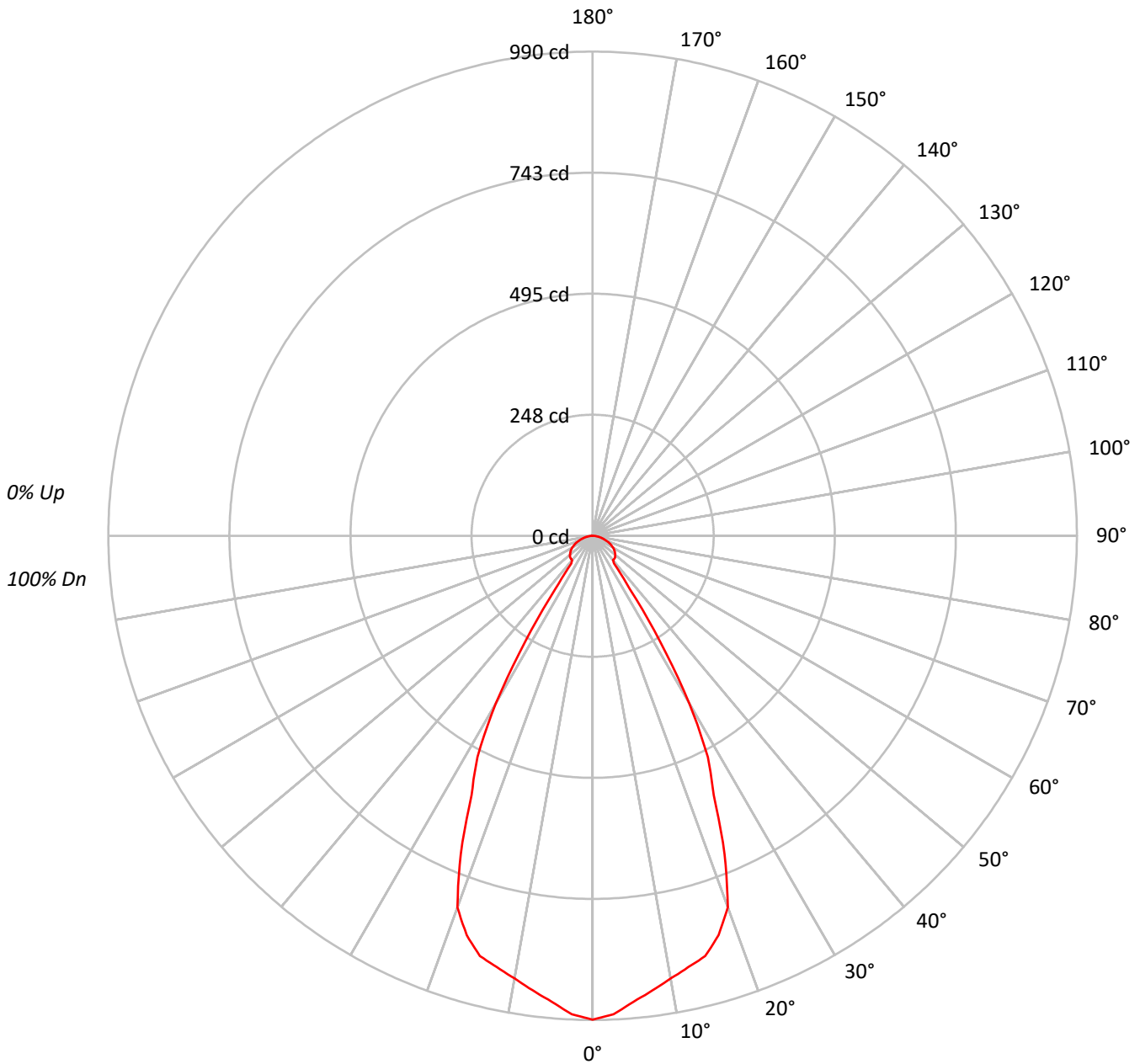
Downlight



TEST NUMBER: P742725

CATALOG NUMBER: LD4D10D010-EU4DR700210IC9024-4LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P742725

CATALOG NUMBER: LD4D10D010-EU4DR700210IC9024-4LBDP1H

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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			70
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			65
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			53
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			50
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	108114
5°	104896
10°	101971
15°	100638
20°	93972
25°	70598
30°	49910
35°	17673
40°	9285
45°	9905
50°	10250
55°	10439
60°	10511
65°	10290
70°	9711
75°	8992
80°	7991
85°	6519

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 10513 cd/sqm



TEST NUMBER: P742725

CATALOG NUMBER: LD4D10D010-EU4DR700210IC9024-4LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.2	10.3
10°-20°	247.4	28.1
20°-30°	272.5	31.0
30°-40°	104.1	11.8
40°-50°	49.2	5.6
50°-60°	48.9	5.6
60°-70°	39.1	4.4
70°-80°	22.5	2.6
80°-90°	6.1	0.7
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°	610.2	69.3
0°-40°	714.3	81.2
0°-60°	812.3	92.3
0°-90°	880.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	880.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	990	
5°	956	90
15°	890	247
25°	586	273
35°	132	104
45°	64	49
55°	55	49
65°	40	39
75°	21	23
85°	5	6
90°	0	



TEST NUMBER: P742725

CATALOG NUMBER: LD4D10D010-EU4DR700210IC9024-4LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	989.5
2.5°	979.1
5°	956.4
7.5°	937.5
10°	919.1
12.5°	903.6
15°	889.7
17.5°	856.0
20°	808.2
22.5°	705.1
25°	585.6
27.5°	509.8
30°	395.6
32.5°	255.5
35°	132.5
37.5°	71.6
40°	65.1
42.5°	64.7
45°	64.1
47.5°	62.7
50°	60.3
52.5°	57.6
55°	54.8
57.5°	51.7
60°	48.1
62.5°	44.0
65°	39.8
67.5°	35.1
70°	30.4
72.5°	25.7
75°	21.3
77.5°	16.8
80°	12.7
82.5°	8.9
85°	5.2
87.5°	2.1
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)