

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



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: P740541

Luminaire Tested: LD4D05D010-EU4DR600210IC9024-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P740541
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D05D010-EU4DR600210IC9024-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 555.8 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')

CIE Type: Direct

Input Watts (W): 7.5
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

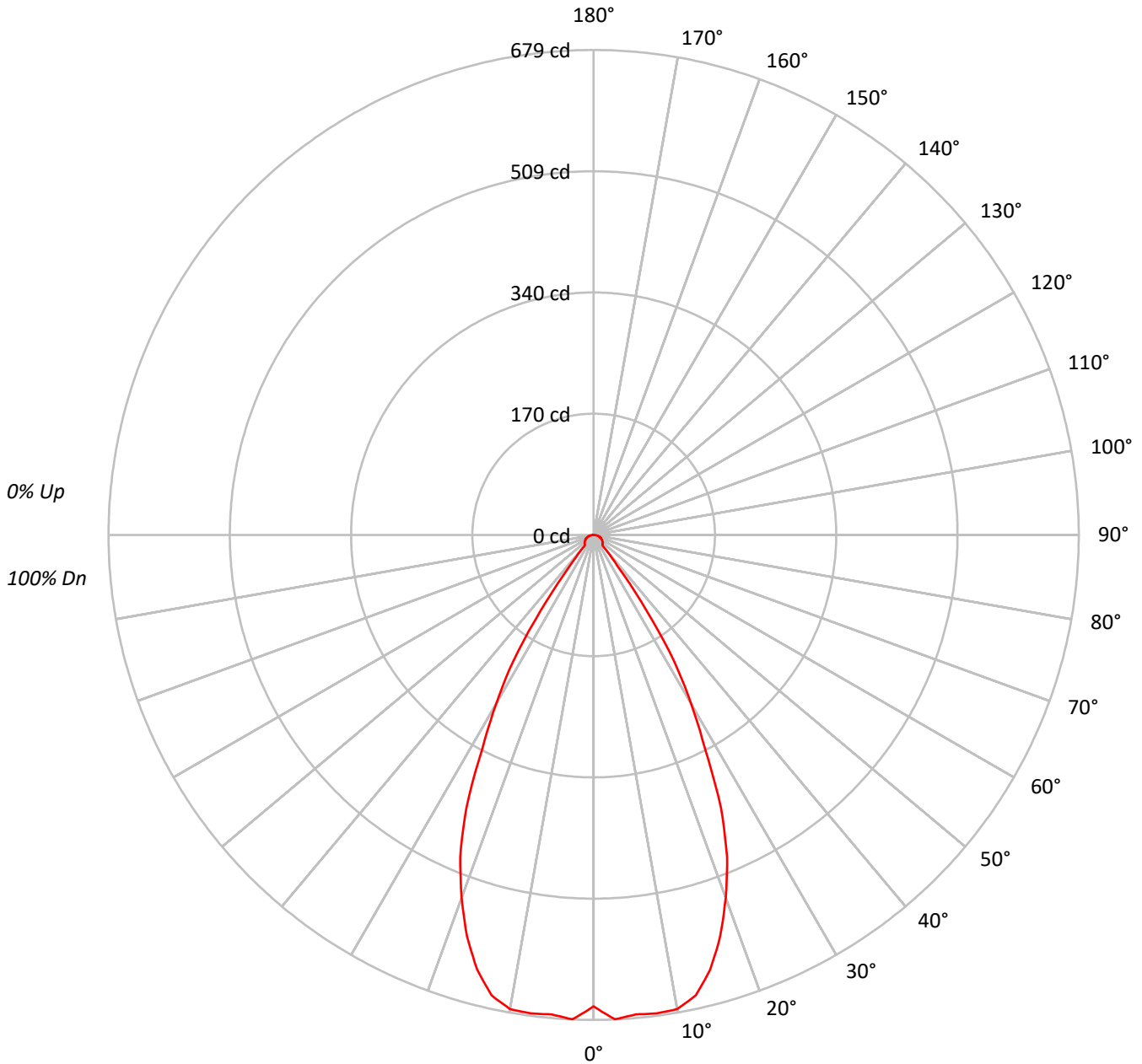


Downlight



TEST NUMBER: P740541
CATALOG NUMBER: LD4D05D010-EU4DR600210IC9024-4LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P740541

CATALOG NUMBER: LD4D05D010-EU4DR600210IC9024-4LBDP1H

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	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	92	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	65	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	72134
5°	73912
10°	74800
15°	71262
20°	62822
25°	50814
30°	34367
35°	17220
40°	2796
45°	2735
50°	2788
55°	2819
60°	2906
65°	2973
70°	3035
75°	3082
80°	2957
85°	2382

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 3082 cd/sqm



TEST NUMBER: P740541

CATALOG NUMBER: LD4D05D010-EU4DR600210IC9024-4LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.4	11.6
10°-20°	174.3	31.4
20°-30°	187.5	33.7
30°-40°	81.5	14.7
40°-50°	13.7	2.5
50°-60°	13.3	2.4
60°-70°	11.3	2.0
70°-80°	7.6	1.4
80°-90°	2.2	0.4
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°	426.1	76.7
0°-40°	507.6	91.3
0°-60°	534.6	96.2
0°-90°	555.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	555.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	660	
5°	674	64
15°	630	174
25°	422	187
35°	129	81
45°	18	14
55°	15	13
65°	12	11
75°	7	8
85°	2	2
90°	0	



TEST NUMBER: P740541

CATALOG NUMBER: LD4D05D010-EU4DR600210IC9024-4LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	660.2
2.5°	678.8
5°	673.9
7.5°	675.5
10°	674.2
12.5°	660.3
15°	630.0
17.5°	589.3
20°	540.3
22.5°	488.0
25°	421.5
27.5°	337.2
30°	272.4
32.5°	210.0
35°	129.1
37.5°	55.2
40°	19.6
42.5°	18.0
45°	17.7
47.5°	17.1
50°	16.4
52.5°	15.6
55°	14.8
57.5°	14.1
60°	13.3
62.5°	12.4
65°	11.5
67.5°	10.5
70°	9.5
72.5°	8.4
75°	7.3
77.5°	6.0
80°	4.7
82.5°	3.3
85°	1.9
87.5°	0.7
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)