

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: P746594

Luminaire Tested: LD4D30D010-EU4DR7020359024-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P746594
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: LD4D30D010-EU4DR7020359024-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF 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: 2476.5 lumens
Efficiency: N/A
Efficacy: 85.4 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): 29
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

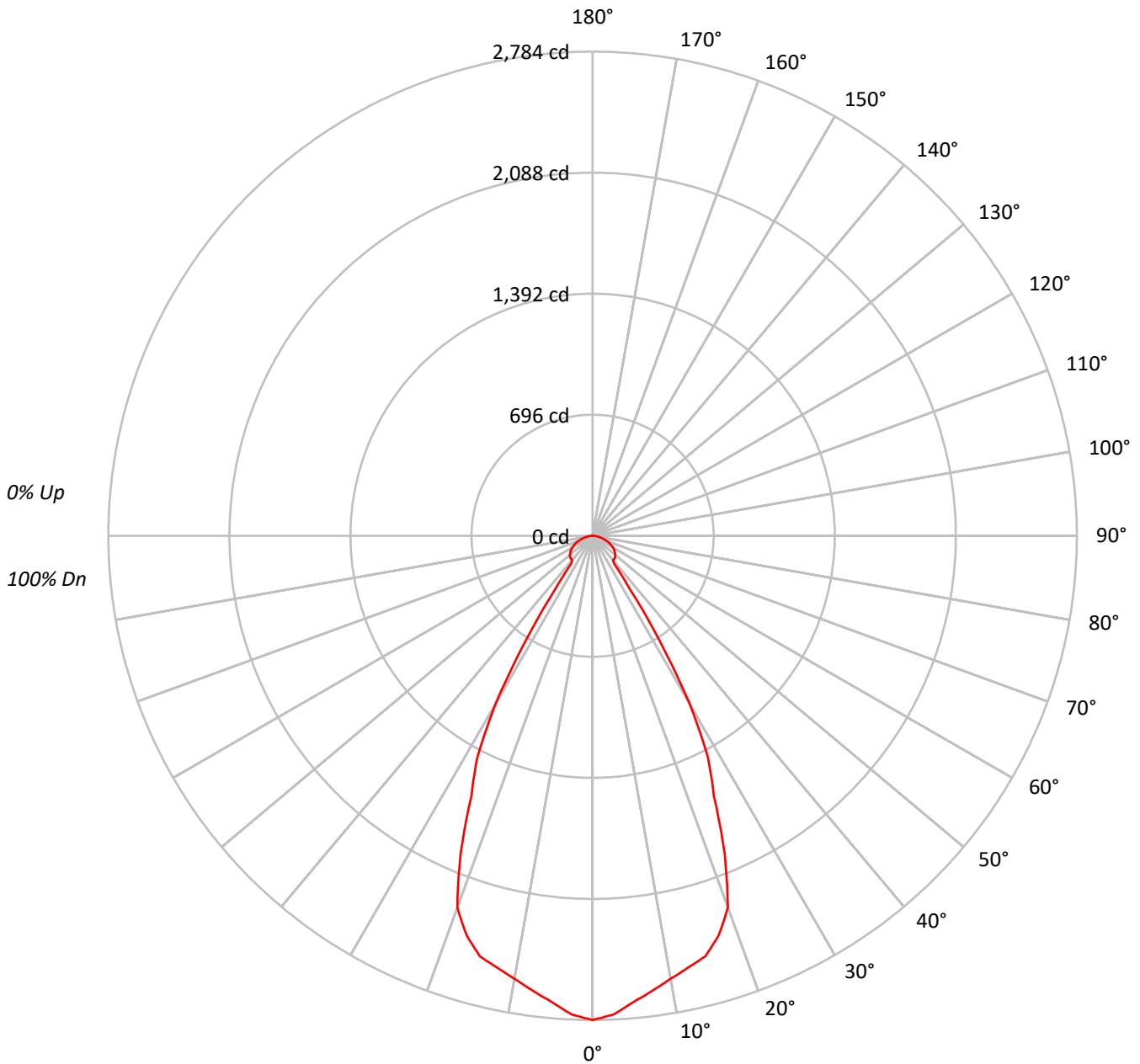


Downlight



TEST NUMBER: P746594
CATALOG NUMBER: LD4D30D010-EU4DR7020359024-4LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P746594

CATALOG NUMBER: LD4D30D010-EU4DR7020359024-4LBDP1LI

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	304215
5°	295166
10°	286940
15°	283184
20°	264428
25°	198652
30°	140433
35°	49738
40°	26158
45°	27860
50°	28846
55°	29393
60°	29566
65°	28956
70°	27314
75°	25287
80°	22463
85°	18303

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 29588 cd/sqm



TEST NUMBER: P746594

CATALOG NUMBER: LD4D30D010-EU4DR7020359024-4LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.8	10.3
10°-20°	696.3	28.1
20°-30°	766.8	31.0
30°-40°	293.0	11.8
40°-50°	138.4	5.6
50°-60°	137.5	5.6
60°-70°	110.1	4.4
70°-80°	63.3	2.6
80°-90°	17.2	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°	1716.9	69.3
0°-40°	2009.9	81.2
0°-60°	2285.8	92.3
0°-90°	2476.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2476.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2784	
5°	2691	254
15°	2504	696
25°	1648	767
35°	373	293
45°	180	138
55°	154	138
65°	112	110
75°	60	63
85°	15	17
90°	0	



TEST NUMBER: P746594

CATALOG NUMBER: LD4D30D010-EU4DR7020359024-4LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	2784.3
2.5°	2755.1
5°	2691.2
7.5°	2637.9
10°	2586.3
12.5°	2542.6
15°	2503.5
17.5°	2408.6
20°	2274.2
22.5°	1984.1
25°	1647.8
27.5°	1434.4
30°	1113.1
32.5°	719.0
35°	372.9
37.5°	201.4
40°	183.4
42.5°	182.1
45°	180.3
47.5°	176.4
50°	169.7
52.5°	162.2
55°	154.3
57.5°	145.5
60°	135.3
62.5°	123.9
65°	112.0
67.5°	98.7
70°	85.5
72.5°	72.3
75°	59.9
77.5°	47.2
80°	35.7
82.5°	25.2
85°	14.6
87.5°	5.7
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)