

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: P746438

Luminaire Tested: LD4D30D010-EU4DR6020359024-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P746438
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: LD4D30D010-EU4DR6020359024-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF 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: 2460.3 lumens
Efficiency: N/A
Efficacy: 84.8 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): 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

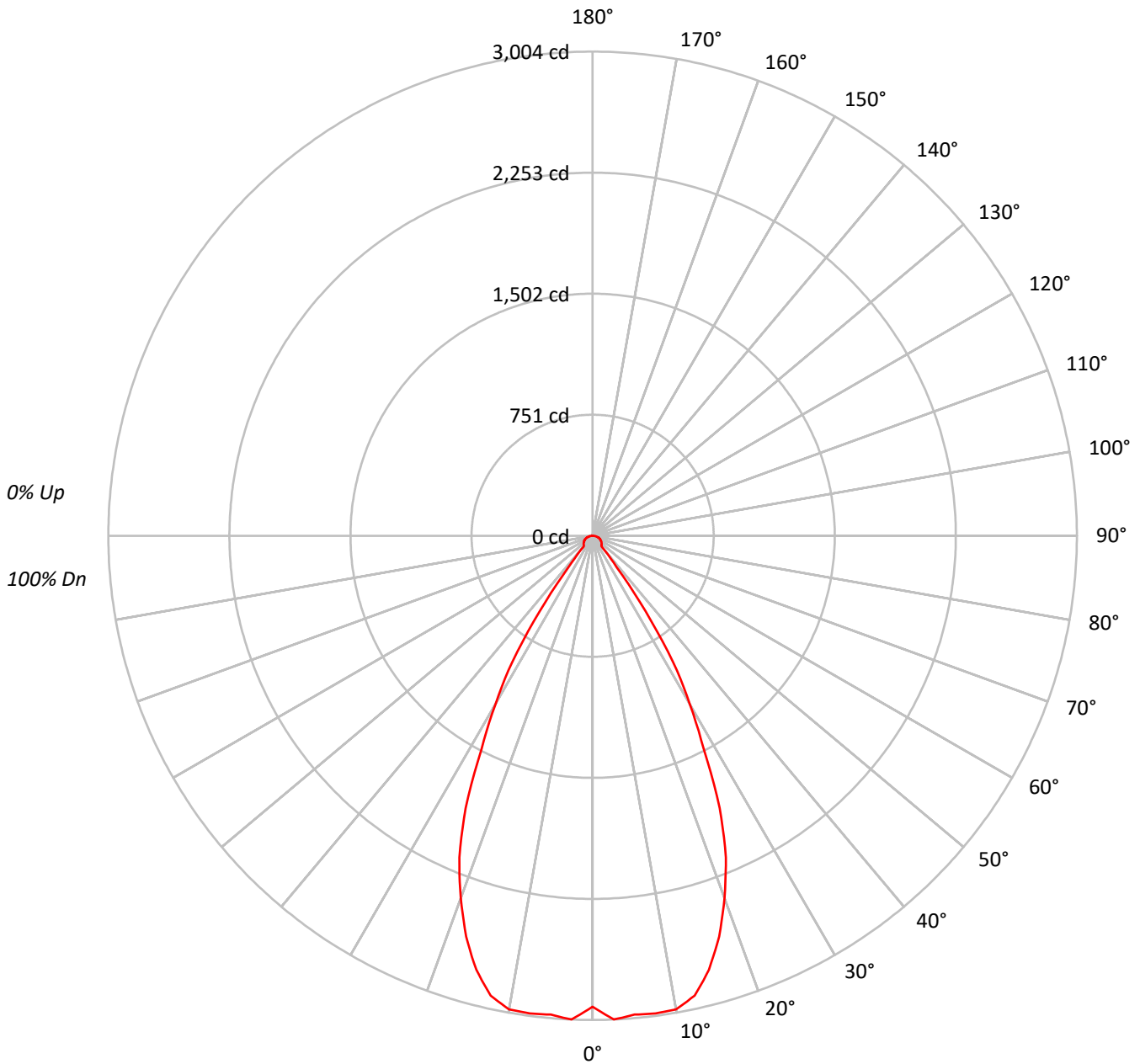


Downlight



TEST NUMBER: P746438
CATALOG NUMBER: LD4D30D010-EU4DR6020359024-4LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P746438

CATALOG NUMBER: LD4D30D010-EU4DR6020359024-4LBDP1LI

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	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	91	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	64	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	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	319249
5°	327104
10°	331053
15°	315376
20°	278055
25°	224909
30°	152128
35°	76228
40°	12366
45°	12099
50°	12358
55°	12534
60°	12893
65°	13159
70°	13481
75°	13635
80°	13150
85°	11032

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 13635 cd/sqm



TEST NUMBER: P746438

CATALOG NUMBER: LD4D30D010-EU4DR6020359024-4LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.0	11.6
10°-20°	771.2	31.3
20°-30°	829.7	33.7
30°-40°	360.7	14.7
40°-50°	60.6	2.5
50°-60°	58.9	2.4
60°-70°	50.4	2.0
70°-80°	33.7	1.4
80°-90°	10.1	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°	1886.0	76.7
0°-40°	2246.6	91.3
0°-60°	2366.1	96.2
0°-90°	2460.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2460.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2922	
5°	2982	285
15°	2788	771
25°	1866	830
35°	572	361
45°	78	61
55°	66	59
65°	51	50
75°	32	34
85°	9	10
90°	0	



TEST NUMBER: P746438

CATALOG NUMBER: LD4D30D010-EU4DR6020359024-4LBDP1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	2921.9
2.5°	3004.0
5°	2982.4
7.5°	2989.3
10°	2983.9
12.5°	2922.3
15°	2788.1
17.5°	2607.8
20°	2391.4
22.5°	2159.9
25°	1865.6
27.5°	1492.1
30°	1205.8
32.5°	929.4
35°	571.5
37.5°	244.5
40°	86.7
42.5°	79.9
45°	78.3
47.5°	75.7
50°	72.7
52.5°	69.2
55°	65.8
57.5°	62.3
60°	59.0
62.5°	55.1
65°	50.9
67.5°	46.8
70°	42.2
72.5°	37.2
75°	32.3
77.5°	26.6
80°	20.9
82.5°	14.8
85°	8.8
87.5°	3.0
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)