

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: P745643

Luminaire Tested: LD4D25D010-EU4DR6520359050-4LBDP1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P745643  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D25D010-EU4DR6520359050-4LBDP1B  
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1667.3 lumens  
Efficiency: N/A  
Efficacy: 66.4 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 25.1  
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



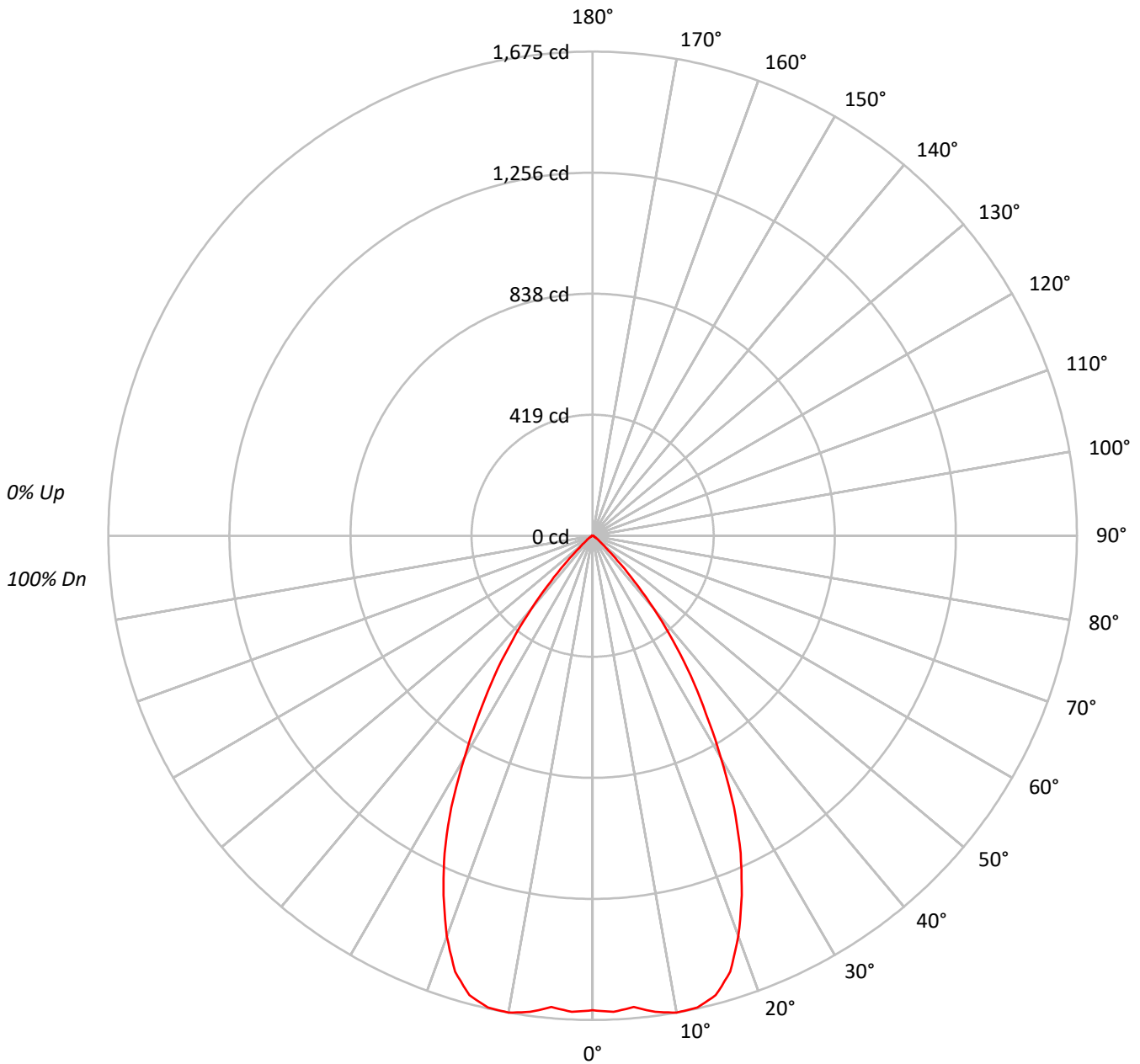
Downlight



TEST NUMBER: P745643

CATALOG NUMBER: LD4D25D010-EU4DR6520359050-4LBDP1B

### Luminous Intensity Polar Plot





TEST NUMBER: P745643

CATALOG NUMBER: LD4D25D010-EU4DR6520359050-4LBDP1B

**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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	179362
5°	179510
10°	185835
15°	186142
20°	171375
25°	146017
30°	111781
35°	78976
40°	46611
45°	18928
50°	6850
55°	3829
60°	2185
65°	1189
70°	1278
75°	971
80°	1070
85°	878

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 18928 cd/sqm



TEST NUMBER: P745643

CATALOG NUMBER: LD4D25D010-EU4DR6520359050-4LBDP1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	158.1	9.5
10°-20°	456.0	27.3
20°-30°	547.1	32.8
30°-40°	367.7	22.1
40°-50°	110.1	6.6
50°-60°	19.4	1.2
60°-70°	5.5	0.3
70°-80°	2.7	0.2
80°-90°	0.9	0.1
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°	1161.1	69.6
0°-40°	1528.8	91.7
0°-60°	1658.3	99.5
0°-90°	1667.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1667.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1642	
5°	1637	158
15°	1646	456
25°	1211	547
35°	592	368
45°	122	110
55°	20	19
65°	5	5
75°	2	3
85°	1	1
90°	0	



TEST NUMBER: P745643

CATALOG NUMBER: LD4D25D010-EU4DR6520359050-4LBDP1B

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1641.6
2.5°	1648.7
5°	1636.7
7.5°	1661.4
10°	1675.0
12.5°	1671.8
15°	1645.6
17.5°	1581.7
20°	1473.9
22.5°	1347.0
25°	1211.2
27.5°	1058.0
30°	886.0
32.5°	730.2
35°	592.1
37.5°	455.6
40°	326.8
42.5°	213.5
45°	122.5
47.5°	64.9
50°	40.3
52.5°	28.0
55°	20.1
57.5°	14.4
60°	10.0
62.5°	6.5
65°	4.6
67.5°	4.2
70°	4.0
72.5°	3.0
75°	2.3
77.5°	2.1
80°	1.7
82.5°	1.1
85°	0.7
87.5°	0.5
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)