

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: P745046

Luminaire Tested: LD4D25D010-EU4DR3020359027-4LBDP1H

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P745046  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D25D010-EU4DR3020359027-4LBDP1H  
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2253.5 lumens  
Efficiency: N/A  
Efficacy: 89.8 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' 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

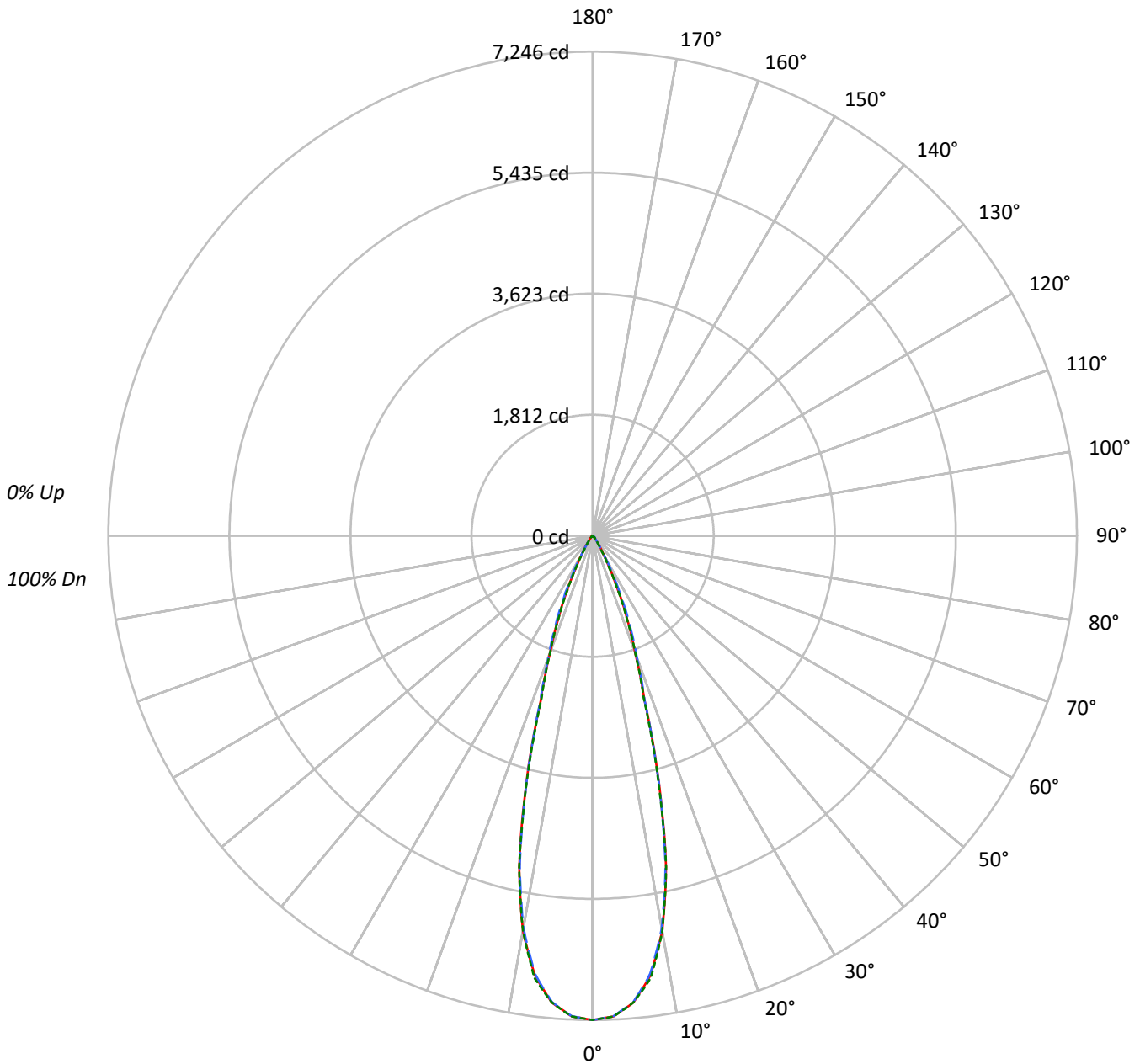


Downlight



TEST NUMBER: P745046  
CATALOG NUMBER: LD4D25D010-EU4DR3020359027-4LBDP1H

### Luminous Intensity Polar Plot





TEST NUMBER: P745046

CATALOG NUMBER: LD4D25D010-EU4DR3020359027-4LBDP1H

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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	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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

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

	0°	45°	90°
0°	554641	554641	554641
5°	538719	538089	538749
10°	466609	463330	466508
15°	304446	302805	301284
20°	151386	157063	151182
25°	76256	85993	74693
30°	30528	33268	26604
35°	14156	13558	11372
40°	6115	6795	5755
45°	4308	5347	4352
50°	1477	3894	1572
55°	854	1615	907
60°	597	704	597
65°	380	380	380
70°	246	157	246
75°	0	89	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 5347 cd/sqm



TEST NUMBER: P745046

CATALOG NUMBER: LD4D25D010-EU4DR3020359027-4LBDP1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	637.2	28.3
10°-20°	1026.2	45.5
20°-30°	443.4	19.7
30°-40°	101.1	4.5
40°-50°	34.7	1.5
50°-60°	8.5	0.4
60°-70°	2.2	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
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°	2106.8	93.5
0°-40°	2207.9	98.0
0°-60°	2251.1	99.9
0°-90°	2253.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2253.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7246	7246	7246	7246	7246	
5°	7011	7005	7003	7018	7012	638
15°	3842	3796	3821	3809	3802	1029
25°	903	937	1018	913	884	432
35°	152	155	145	144	122	103
45°	40	49	49	49	40	28
55°	6	7	12	7	7	6
65°	2	2	2	2	2	2
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P745046

CATALOG NUMBER: LD4D25D010-EU4DR3020359027-4LBDP1H

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7246.1	7246.1	7246.1	7246.1	7246.1
2.5°	7198.1	7193.1	7196.0	7199.5	7201.0
5°	7011.3	7004.6	7003.1	7017.7	7011.7
7.5°	6634.6	6625.0	6610.4	6643.5	6674.4
10°	6003.4	5992.8	5961.2	5976.8	6002.1
12.5°	5071.7	5037.2	5036.5	5086.3	5079.6
15°	3841.9	3795.6	3821.2	3808.7	3802.0
17.5°	2583.5	2565.7	2599.9	2589.6	2545.1
20°	1858.5	1863.1	1928.2	1895.5	1856.0
22.5°	1356.2	1372.9	1450.1	1365.7	1334.8
25°	902.9	937.1	1018.2	913.2	884.4
27.5°	555.4	571.0	653.2	548.2	532.6
30°	345.4	337.6	376.4	323.0	301.0
32.5°	226.6	216.6	229.1	205.6	187.8
35°	151.5	154.8	145.1	144.1	121.7
37.5°	94.7	108.9	96.1	102.4	78.3
40°	61.2	79.0	68.0	75.1	57.6
42.5°	50.2	60.8	55.9	59.4	51.2
45°	39.8	49.4	49.4	49.4	40.2
47.5°	22.1	33.1	42.3	33.8	23.5
50°	12.4	16.7	32.7	17.4	13.2
52.5°	8.5	9.6	22.4	10.0	8.9
55°	6.4	6.8	12.1	7.1	6.8
57.5°	5.0	5.3	6.4	5.3	5.0
60°	3.9	3.9	4.6	4.3	3.9
62.5°	2.9	2.9	3.2	2.9	2.9
65°	2.1	2.1	2.1	2.1	2.1
67.5°	1.1	1.4	1.4	1.4	1.4
70°	1.1	0.7	0.7	0.7	1.1
72.5°	0.7	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.3	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	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







— 0°-180°    - - 45°-225°    - - - - 90°-270°

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)