

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: P746026

Luminaire Tested: LD4D30D010-EU4DR3020359040-4LBS1LI

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P746026  
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: LD4D30D010-EU4DR3020359040-4LBS1LI  
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3135.9 lumens  
Efficiency: N/A  
Efficacy: 108.1 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): 29  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

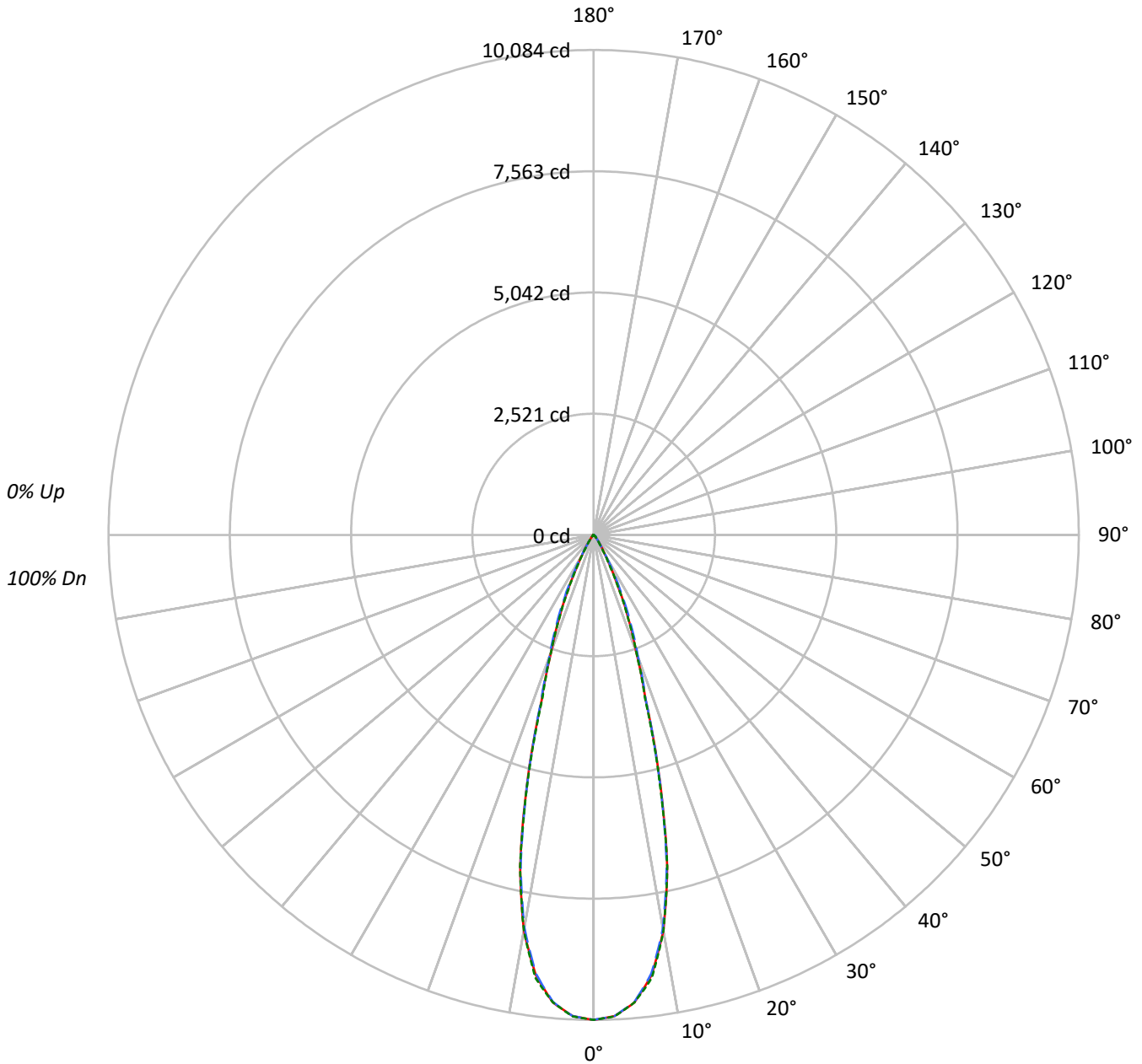


Downlight



TEST NUMBER: P746026  
CATALOG NUMBER: LD4D30D010-EU4DR3020359040-4LBS1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P746026

CATALOG NUMBER: LD4D30D010-EU4DR3020359040-4LBS1LI

**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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

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

	0°	45°	90°
0°	771825	771825	771825
5°	749671	748795	749710
10°	649331	644753	649176
15°	423660	421378	419262
20°	210661	218562	210376
25°	106119	119666	103949
30°	42487	46296	37016
35°	19707	18875	15820
40°	8503	9442	8014
45°	6008	7448	6051
50°	2060	5418	2179
55°	1188	2242	1254
60°	827	980	827
65°	543	543	543
70°	336	224	336
75°	0	148	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 7448 cd/sqm



TEST NUMBER: P746026

CATALOG NUMBER: LD4D30D010-EU4DR3020359040-4LBS1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	886.7	28.3
10°-20°	1428.0	45.5
20°-30°	617.1	19.7
30°-40°	140.6	4.5
40°-50°	48.3	1.5
50°-60°	11.8	0.4
60°-70°	3.1	0.1
70°-80°	0.3	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°	2931.8	93.5
0°-40°	3072.5	98.0
0°-60°	3132.5	99.9
0°-90°	3135.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3135.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10084	10084	10084	10084	10084	
5°	9757	9747	9745	9766	9757	887
15°	5346	5282	5318	5300	5291	1432
25°	1256	1304	1417	1271	1231	601
35°	211	215	202	200	169	143
45°	56	69	69	69	56	39
55°	9	9	17	10	9	9
65°	3	3	3	3	3	3
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P746026

CATALOG NUMBER: LD4D30D010-EU4DR3020359040-4LBS1LI

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10083.5	10083.5	10083.5	10083.5	10083.5
2.5°	10016.7	10009.8	10013.7	10018.7	10020.7
5°	9756.8	9747.4	9745.4	9765.7	9757.3
7.5°	9232.5	9219.2	9198.8	9244.9	9288.0
10°	8354.3	8339.4	8295.4	8317.1	8352.3
12.5°	7057.7	7009.7	7008.7	7078.0	7068.6
15°	5346.3	5281.9	5317.5	5300.2	5290.8
17.5°	3595.2	3570.4	3618.0	3603.6	3541.7
20°	2586.2	2592.7	2683.2	2637.7	2582.7
22.5°	1887.2	1910.4	2017.9	1900.6	1857.5
25°	1256.5	1304.0	1416.9	1270.9	1230.8
27.5°	772.8	794.6	908.9	762.9	741.1
30°	480.7	469.8	523.8	449.5	418.8
32.5°	315.4	301.5	318.8	286.1	261.4
35°	210.9	215.4	202.0	200.5	169.3
37.5°	131.7	151.5	133.7	142.6	108.9
40°	85.1	109.9	94.5	104.4	80.2
42.5°	69.8	84.7	77.7	82.7	71.3
45°	55.5	68.8	68.8	68.8	55.9
47.5°	30.7	46.1	58.9	47.0	32.7
50°	17.3	23.3	45.5	24.2	18.3
52.5°	11.9	13.3	31.2	13.9	12.4
55°	8.9	9.4	16.8	9.9	9.4
57.5°	6.9	7.4	8.9	7.4	6.9
60°	5.4	5.4	6.4	6.0	5.4
62.5°	4.0	4.0	4.5	4.0	4.0
65°	3.0	3.0	3.0	3.0	3.0
67.5°	1.5	2.0	2.0	2.0	2.0
70°	1.5	1.0	1.0	1.0	1.5
72.5°	1.0	0.5	0.5	0.5	0.5
75°	0.0	0.0	0.5	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)