

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: P751433

Luminaire Tested: LD4D65D010-EU4DR3055659024-4LBS1H

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P751433  
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: LD4D65D010-EU4DR3055659024-4LBS1H  
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5861.3 lumens  
Efficiency: N/A  
Efficacy: 80.5 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

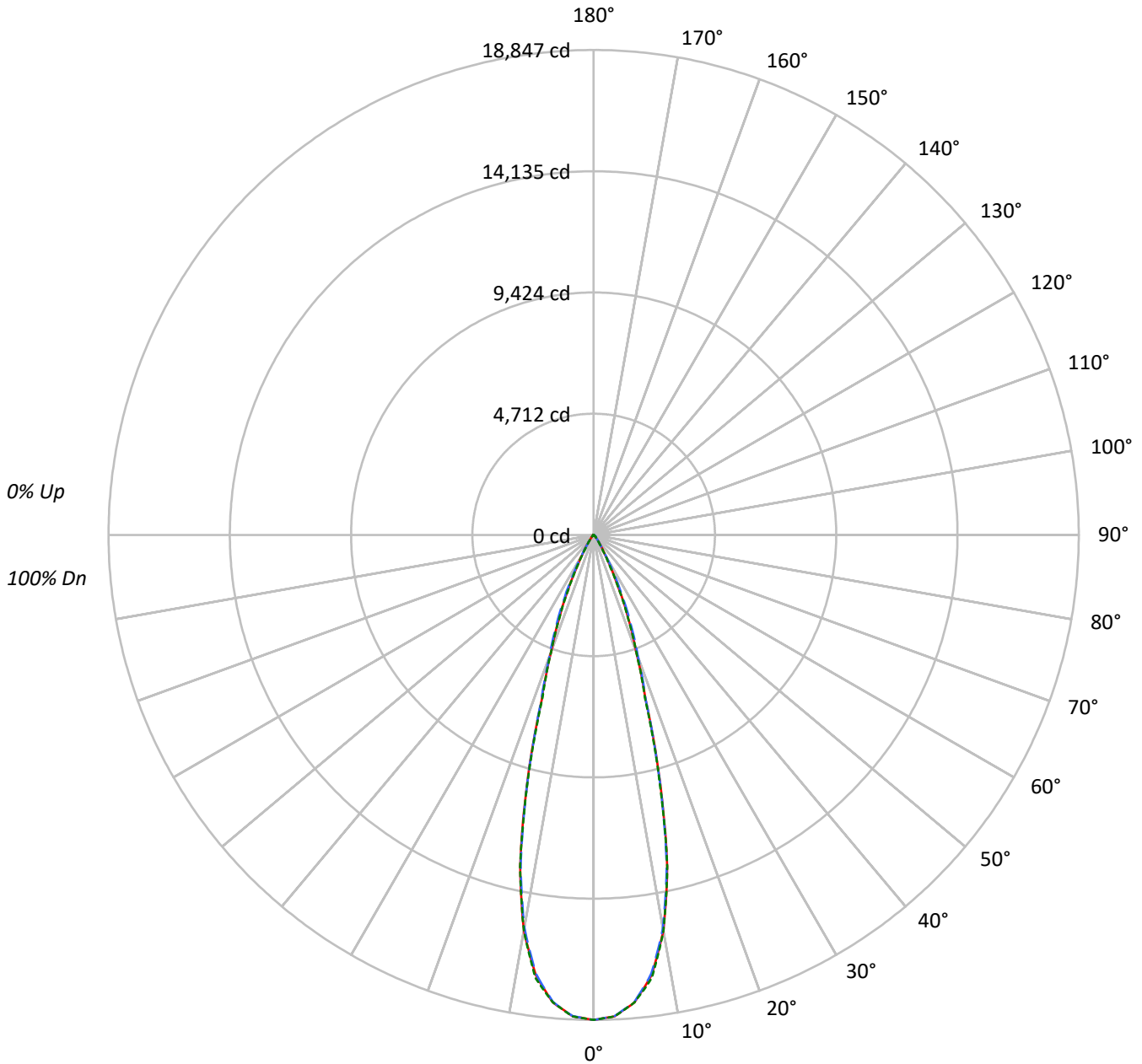
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P751433  
CATALOG NUMBER: LD4D65D010-EU4DR3055659024-4LBS1H

### Luminous Intensity Polar Plot





TEST NUMBER: P751433

CATALOG NUMBER: LD4D65D010-EU4DR3055659024-4LBS1H

**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°	1442606	1442606	1442606
5°	1401193	1399556	1401262
10°	1213648	1205090	1213360
15°	791841	787594	783632
20°	393749	408517	393220
25°	198346	223666	194275
30°	79414	86529	69188
35°	36835	35274	29574
40°	15907	17656	14978
45°	11215	13921	11323
50°	3858	10134	4073
55°	2229	4204	2349
60°	1561	1837	1561
65°	1014	1014	1014
70°	627	425	627
75°	0	266	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 13921 cd/sqm



TEST NUMBER: P751433

CATALOG NUMBER: LD4D65D010-EU4DR3055659024-4LBS1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1657.3	28.3
10°-20°	2669.1	45.5
20°-30°	1153.4	19.7
30°-40°	262.9	4.5
40°-50°	90.3	1.5
50°-60°	22.1	0.4
60°-70°	5.7	0.1
70°-80°	0.6	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°	5479.8	93.5
0°-40°	5742.7	98.0
0°-60°	5855.0	99.9
0°-90°	5861.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5861.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	18847	18847	18847	18847	18847	
5°	18236	18219	18215	18253	18237	1659
15°	9992	9872	9939	9906	9889	2676
25°	2348	2437	2648	2375	2300	1124
35°	394	402	378	375	316	267
45°	104	129	129	129	105	74
55°	17	18	32	18	18	16
65°	6	6	6	6	6	5
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P751433

CATALOG NUMBER: LD4D65D010-EU4DR3055659024-4LBS1H

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	18846.9	18846.9	18846.9	18846.9	18846.9
2.5°	18722.0	18709.1	18716.5	18725.7	18729.4
5°	18236.2	18218.6	18214.9	18252.9	18237.1
7.5°	17256.3	17231.3	17193.4	17279.4	17359.9
10°	15614.8	15587.0	15504.7	15545.4	15611.1
12.5°	13191.4	13101.6	13099.8	13229.3	13211.7
15°	9992.5	9872.2	9938.9	9906.5	9888.9
17.5°	6719.7	6673.4	6762.2	6735.4	6619.7
20°	4833.9	4845.9	5015.2	4930.1	4827.4
22.5°	3527.3	3570.8	3771.6	3552.3	3471.8
25°	2348.5	2437.3	2648.3	2375.3	2300.3
27.5°	1444.4	1485.1	1698.9	1425.9	1385.2
30°	898.5	878.1	979.0	840.2	782.8
32.5°	589.4	563.5	595.9	534.8	488.6
35°	394.2	402.5	377.5	374.8	316.5
37.5°	246.1	283.1	249.8	266.5	203.6
40°	159.2	205.4	176.7	195.2	149.9
42.5°	130.5	158.2	145.3	154.5	133.2
45°	103.6	128.6	128.6	128.6	104.6
47.5°	57.4	86.1	110.1	87.9	61.1
50°	32.4	43.5	85.1	45.3	34.2
52.5°	22.2	25.0	58.3	25.9	23.1
55°	16.7	17.6	31.5	18.5	17.6
57.5°	13.0	13.9	16.7	13.9	13.0
60°	10.2	10.2	12.0	11.1	10.2
62.5°	7.4	7.4	8.3	7.4	7.4
65°	5.6	5.6	5.6	5.6	5.6
67.5°	2.8	3.7	3.7	3.7	3.7
70°	2.8	1.9	1.9	1.9	2.8
72.5°	1.9	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	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)