

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: P740111

Luminaire Tested: LD4D05D010-EU4DR300210IC9035-4LBDP1B

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P740111  
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: LD4D05D010-EU4DR300210IC9035-4LBDP1B  
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 527.4 lumens  
Efficiency: N/A  
Efficacy: 70.3 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): 7.5  
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



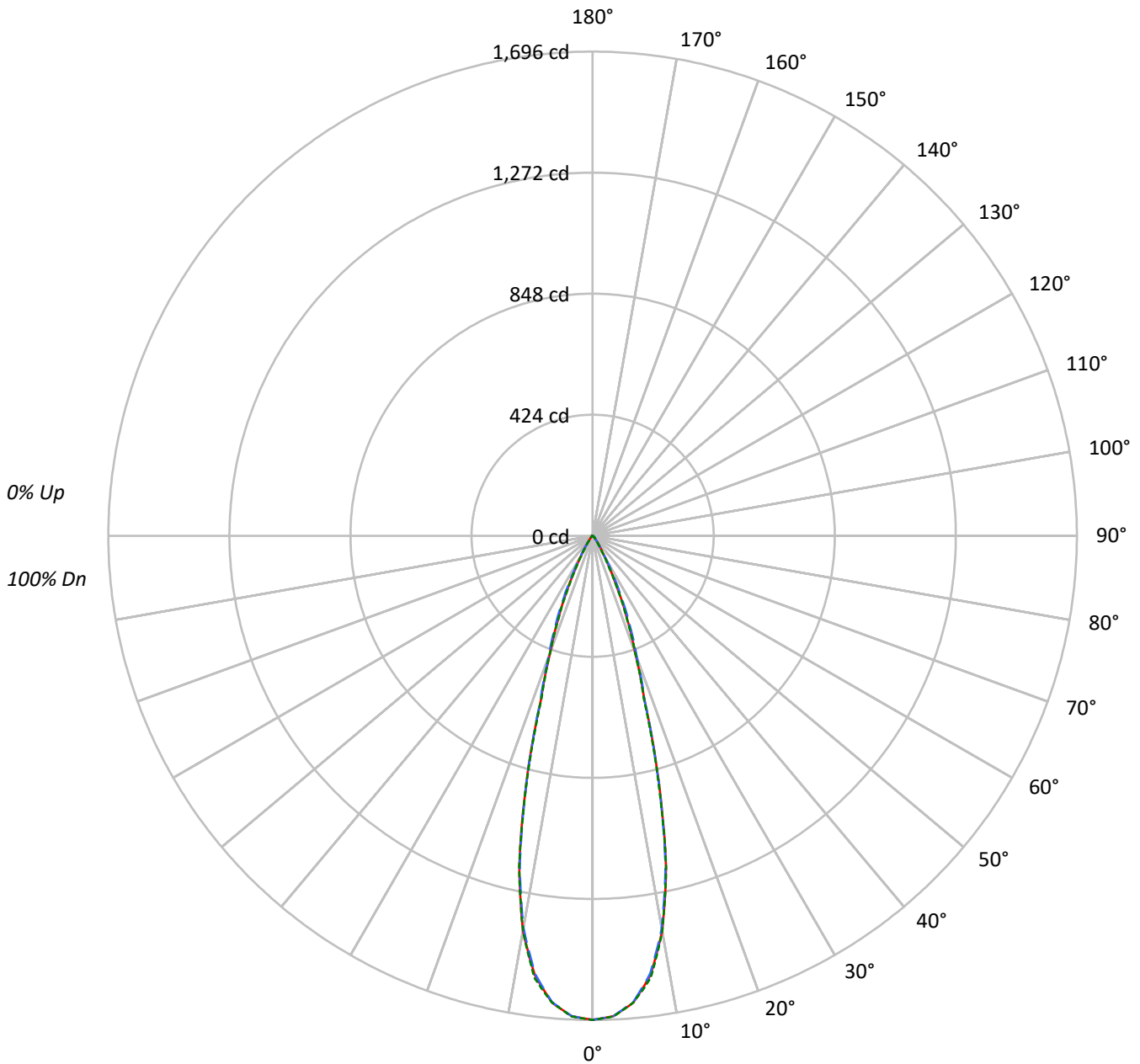
Downlight



TEST NUMBER: P740111

CATALOG NUMBER: LD4D05D010-EU4DR300210IC9035-4LBDP1B

### Luminous Intensity Polar Plot





TEST NUMBER: P740111

CATALOG NUMBER: LD4D05D010-EU4DR300210IC9035-4LBDP1B

**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°	129802	129802	129802
5°	126072	125926	126080
10°	109195	108425	109171
15°	71248	70868	70503
20°	35425	36761	35384
25°	17846	20126	17474
30°	7141	7787	6222
35°	3317	3177	2663
40°	1429	1589	1349
45°	1007	1256	1018
50°	345	917	369
55°	200	374	214
60°	138	168	138
65°	91	91	91
70°	45	45	45
75°	0	30	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1256 cd/sqm



TEST NUMBER: P740111

CATALOG NUMBER: LD4D05D010-EU4DR300210IC9035-4LBDP1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.1	28.3
10°-20°	240.2	45.5
20°-30°	103.8	19.7
30°-40°	23.7	4.5
40°-50°	8.1	1.5
50°-60°	2.0	0.4
60°-70°	0.5	0.1
70°-80°	0.1	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°	493.0	93.5
0°-40°	516.7	98.0
0°-60°	526.8	99.9
0°-90°	527.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	527.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1696	1696	1696	1696	1696	
5°	1641	1639	1639	1642	1641	149
15°	899	888	894	891	890	241
25°	211	219	238	214	207	101
35°	36	36	34	34	28	24
45°	9	12	12	12	9	7
55°	2	2	3	2	2	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P740111

CATALOG NUMBER: LD4D05D010-EU4DR300210IC9035-4LBDP1B

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1695.8	1695.8	1695.8	1695.8	1695.8
2.5°	1684.5	1683.3	1684.0	1684.8	1685.2
5°	1640.8	1639.2	1638.9	1642.3	1640.9
7.5°	1552.6	1550.3	1547.0	1554.7	1561.9
10°	1404.9	1402.4	1395.0	1398.7	1404.6
12.5°	1186.9	1178.8	1178.6	1190.3	1188.7
15°	899.1	888.2	894.3	891.3	889.7
17.5°	604.6	600.5	608.4	606.0	595.6
20°	434.9	436.0	451.3	443.6	434.4
22.5°	317.4	321.3	339.4	319.6	312.4
25°	211.3	219.3	238.3	213.7	206.9
27.5°	129.9	133.6	152.9	128.3	124.6
30°	80.8	79.0	88.1	75.6	70.4
32.5°	53.1	50.7	53.6	48.1	43.9
35°	35.5	36.2	34.0	33.7	28.5
37.5°	22.2	25.5	22.5	23.9	18.3
40°	14.3	18.5	15.9	17.6	13.5
42.5°	11.7	14.2	13.1	13.9	12.0
45°	9.3	11.6	11.6	11.6	9.4
47.5°	5.2	7.7	9.9	7.9	5.5
50°	2.9	3.9	7.7	4.1	3.1
52.5°	2.0	2.2	5.3	2.3	2.1
55°	1.5	1.6	2.8	1.7	1.6
57.5°	1.1	1.3	1.5	1.3	1.1
60°	0.9	0.9	1.1	1.0	0.9
62.5°	0.7	0.7	0.7	0.7	0.7
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.2	0.3	0.3	0.3	0.3
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	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)