

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: P744565

Luminaire Tested: LD4D20D010-EU4DR6020359024-4LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P744565  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D20D010-EU4DR6020359024-4LBDP1H  
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1613.3 lumens  
Efficiency: N/A  
Efficacy: 69.8 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 23.1  
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

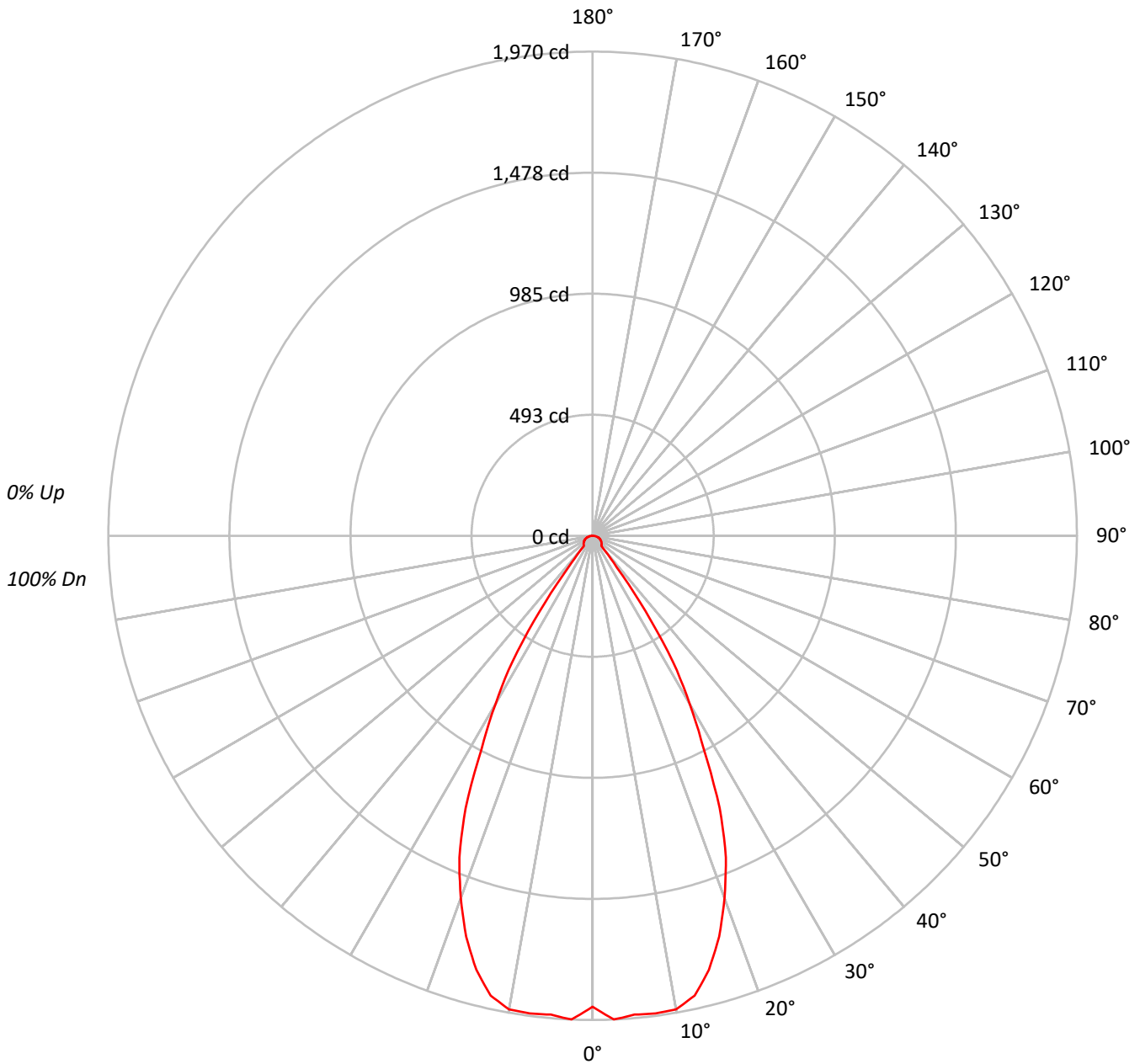


Downlight



TEST NUMBER: P744565  
CATALOG NUMBER: LD4D20D010-EU4DR6020359024-4LBDP1H

### Luminous Intensity Polar Plot





TEST NUMBER: P744565

CATALOG NUMBER: LD4D20D010-EU4DR6020359024-4LBDP1H

**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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100															
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93				93															
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86				86															
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80				80															
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75				75															
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70				70															
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66				66															
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62				62															
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59				59															
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55				55															
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53				53															

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

	0°
0°	209344
5°	214497
10°	217077
15°	206797
20°	182339
25°	147476
30°	99757
35°	49992
40°	8101
45°	7942
50°	8091
55°	8210
60°	8457
65°	8635
70°	8849
75°	8950
80°	8620
85°	7146

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 8950 cd/sqm



TEST NUMBER: P744565

CATALOG NUMBER: LD4D20D010-EU4DR6020359024-4LBDP1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.9	11.6
10°-20°	505.7	31.3
20°-30°	544.1	33.7
30°-40°	236.5	14.7
40°-50°	39.7	2.5
50°-60°	38.6	2.4
60°-70°	33.1	2.0
70°-80°	22.1	1.4
80°-90°	6.6	0.4
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°	1236.7	76.7
0°-40°	1473.2	91.3
0°-60°	1551.5	96.2
0°-90°	1613.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1613.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1916	
5°	1956	187
15°	1828	506
25°	1223	544
35°	375	236
45°	51	40
55°	43	39
65°	33	33
75°	21	22
85°	6	7
90°	0	



TEST NUMBER: P744565  
CATALOG NUMBER: LD4D20D010-EU4DR6020359024-4LBDP1H

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1916.0
2.5°	1969.9
5°	1955.7
7.5°	1960.1
10°	1956.6
12.5°	1916.2
15°	1828.2
17.5°	1710.0
20°	1568.2
22.5°	1416.3
25°	1223.3
27.5°	978.4
30°	790.7
32.5°	609.4
35°	374.8
37.5°	160.3
40°	56.8
42.5°	52.4
45°	51.4
47.5°	49.6
50°	47.6
52.5°	45.4
55°	43.1
57.5°	40.9
60°	38.7
62.5°	36.2
65°	33.4
67.5°	30.7
70°	27.7
72.5°	24.4
75°	21.2
77.5°	17.5
80°	13.7
82.5°	9.7
85°	5.7
87.5°	2.0
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)