

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: P744569

Luminaire Tested: LD4D20D010-EU4DR6020359024-4LBS1H

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P744569  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-60)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D20D010-EU4DR6020359024-4LBS1H  
Description: 4 INCH ROUND SHALLOW 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: 1698.2 lumens  
Efficiency: N/A  
Efficacy: 73.5 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 23.1  
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

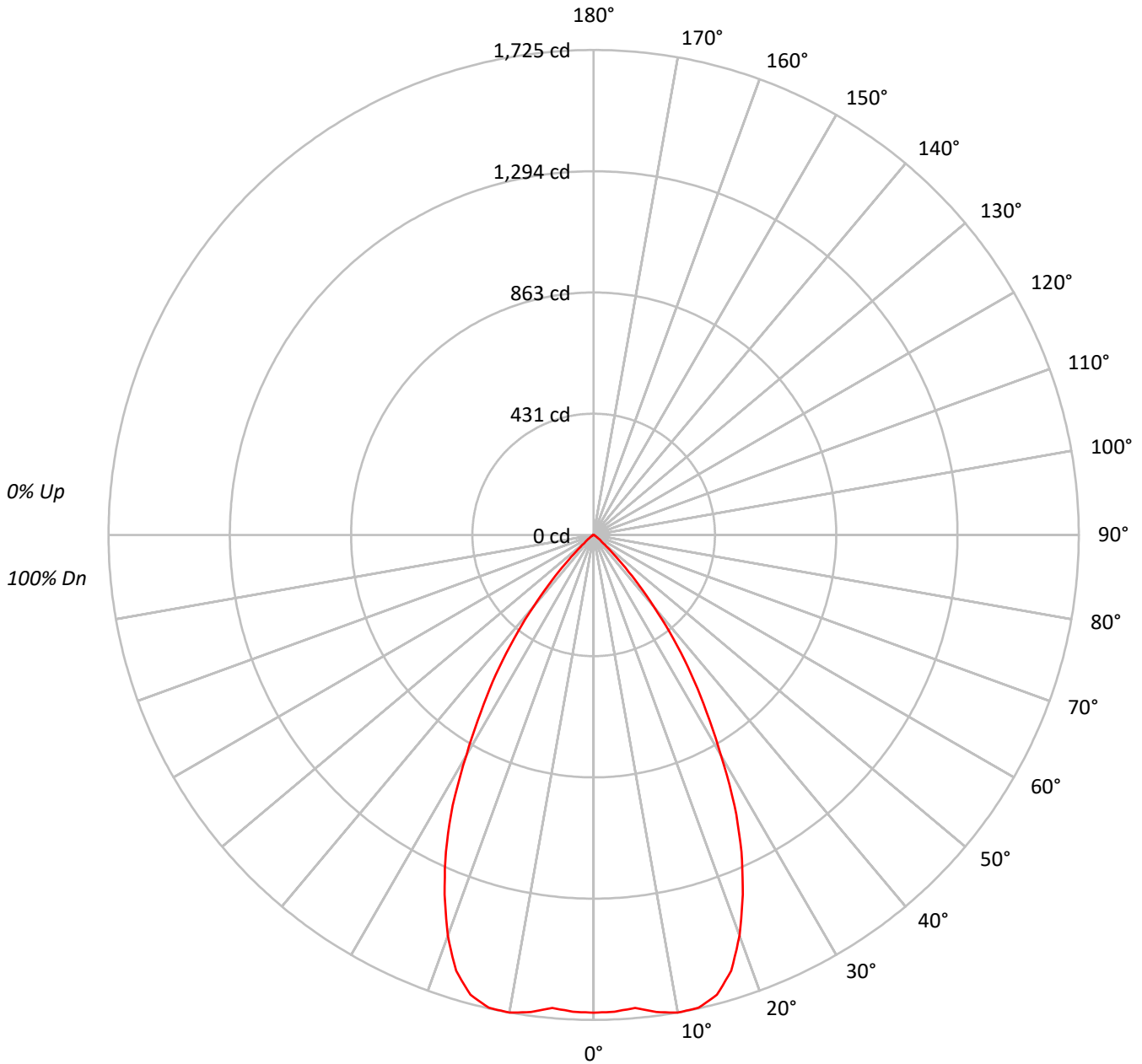


Downlight



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### Luminous Intensity Polar Plot





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

RF	20					20					20					20					20					
RC	80					70					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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94					94			
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87					87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81					81			
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75					75			
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70					70			
6	87	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65					65			
7	83	74	68	63	82	73	67	63	72	67	63	71	66	63	69	65	62	61					61			
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	61	58	57					57			
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53					53			
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50					50			

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

	0°
0°	185678
5°	185224
10°	191382
15°	191572
20°	176270
25°	149935
30°	114241
35°	80790
40°	47439
45°	19145
50°	6391
55°	3086
60°	1267
65°	181
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 19145 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.9	9.6
10°-20°	469.2	27.6
20°-30°	561.6	33.1
30°-40°	375.6	22.1
40°-50°	111.4	6.6
50°-60°	16.0	0.9
60°-70°	1.5	0.1
70°-80°	0.0	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°	1193.7	70.3
0°-40°	1569.3	92.4
0°-60°	1696.7	99.9
0°-90°	1698.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1698.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1699	
5°	1689	163
15°	1694	469
25°	1244	562
35°	606	376
45°	124	111
55°	16	16
65°	1	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1699.4
2.5°	1697.3
5°	1688.8
7.5°	1711.7
10°	1725.0
12.5°	1722.6
15°	1693.6
17.5°	1625.5
20°	1516.0
22.5°	1384.7
25°	1243.7
27.5°	1084.8
30°	905.5
32.5°	745.5
35°	605.7
37.5°	465.6
40°	332.6
42.5°	219.3
45°	123.9
47.5°	63.4
50°	37.6
52.5°	24.4
55°	16.2
57.5°	10.4
60°	5.8
62.5°	2.4
65°	0.7
67.5°	0.2
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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

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— 0°-180°

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(END OF REPORT)