

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: P755226

Luminaire Tested: LD4D85BD010-EU4DR7070959040-4LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P755226  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D85BD010-EU4DR7070959040-4LBDP1LI  
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9083.3 lumens  
Efficiency: N/A  
Efficacy: 103.6 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 87.7  
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

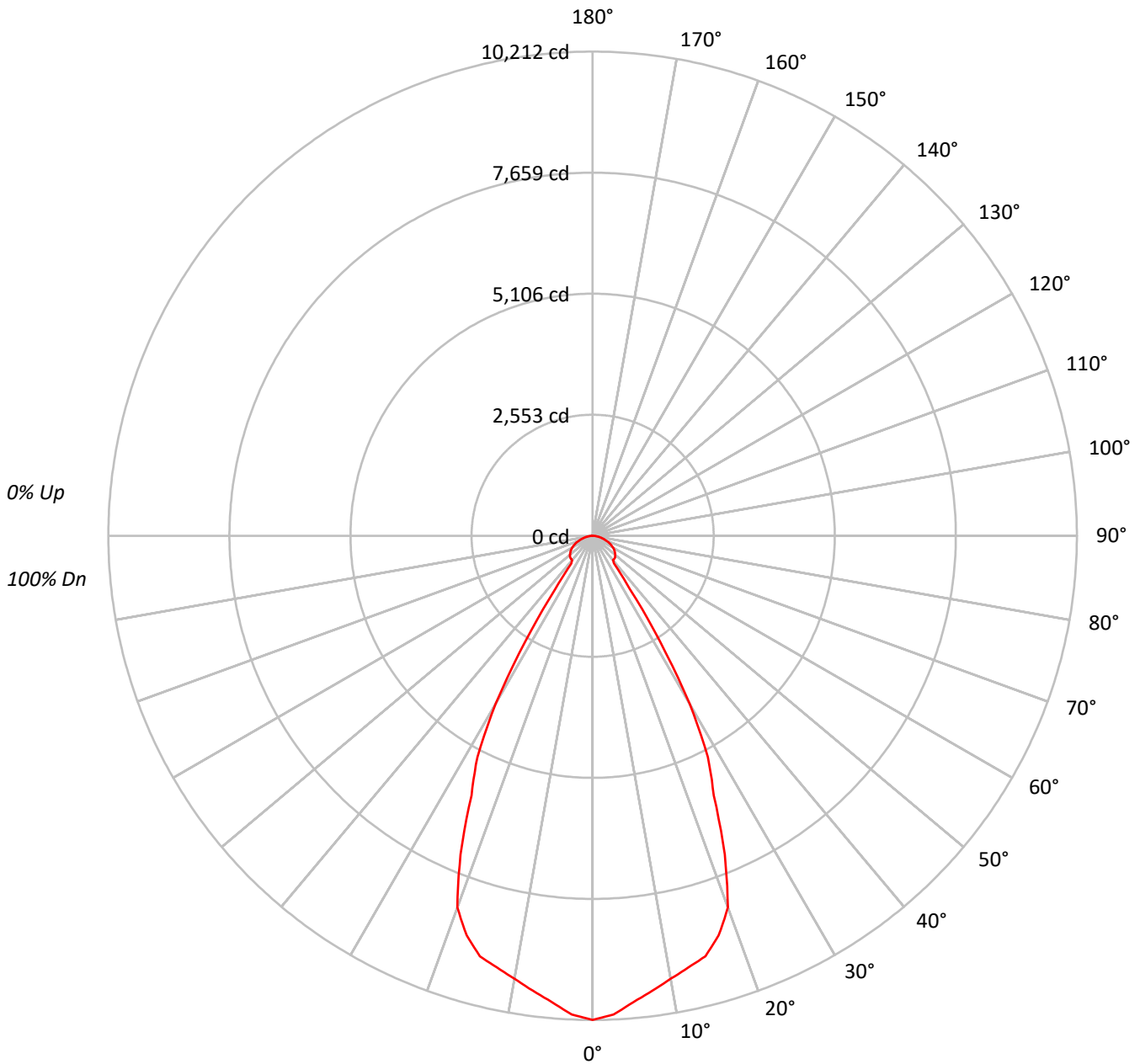


Downlight

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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

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

	0°
0°	1115793
5°	1082633
10°	1052459
15°	1038645
20°	969878
25°	728628
30°	515075
35°	182454
40°	95933
45°	102183
50°	105812
55°	107798
60°	108474
65°	106179
70°	100214
75°	92831
80°	82426
85°	66944

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 108508 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	931.0	10.3
10°-20°	2553.8	28.1
20°-30°	2812.7	31.0
30°-40°	1074.6	11.8
40°-50°	507.4	5.6
50°-60°	504.5	5.6
60°-70°	403.9	4.4
70°-80°	232.1	2.6
80°-90°	63.1	0.7
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°	6297.6	69.3
0°-40°	7372.2	81.2
0°-60°	8384.1	92.3
0°-90°	9083.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9083.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10212	
5°	9871	931
15°	9182	2554
25°	6044	2813
35°	1368	1075
45°	661	507
55°	566	504
65°	411	404
75°	220	232
85°	53	63
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	10212.2
2.5°	10105.5
5°	9871.0
7.5°	9675.4
10°	9486.2
12.5°	9326.1
15°	9182.2
17.5°	8834.6
20°	8341.4
22.5°	7277.5
25°	6043.9
27.5°	5261.3
30°	4082.6
32.5°	2637.1
35°	1367.9
37.5°	738.9
40°	672.6
42.5°	667.8
45°	661.3
47.5°	646.7
50°	622.5
52.5°	595.0
55°	565.9
57.5°	533.6
60°	496.4
62.5°	454.3
65°	410.7
67.5°	362.2
70°	313.7
72.5°	265.2
75°	219.9
77.5°	173.0
80°	131.0
82.5°	92.2
85°	53.4
87.5°	21.0
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)