

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: P753628

Luminaire Tested: LD4D75BD010-EU4DR7070959027-4LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P753628  
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: LD4D75BD010-EU4DR7070959027-4LBDP1MW  
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5486.7 lumens  
Efficiency: N/A  
Efficacy: 75.8 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): 72.4  
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

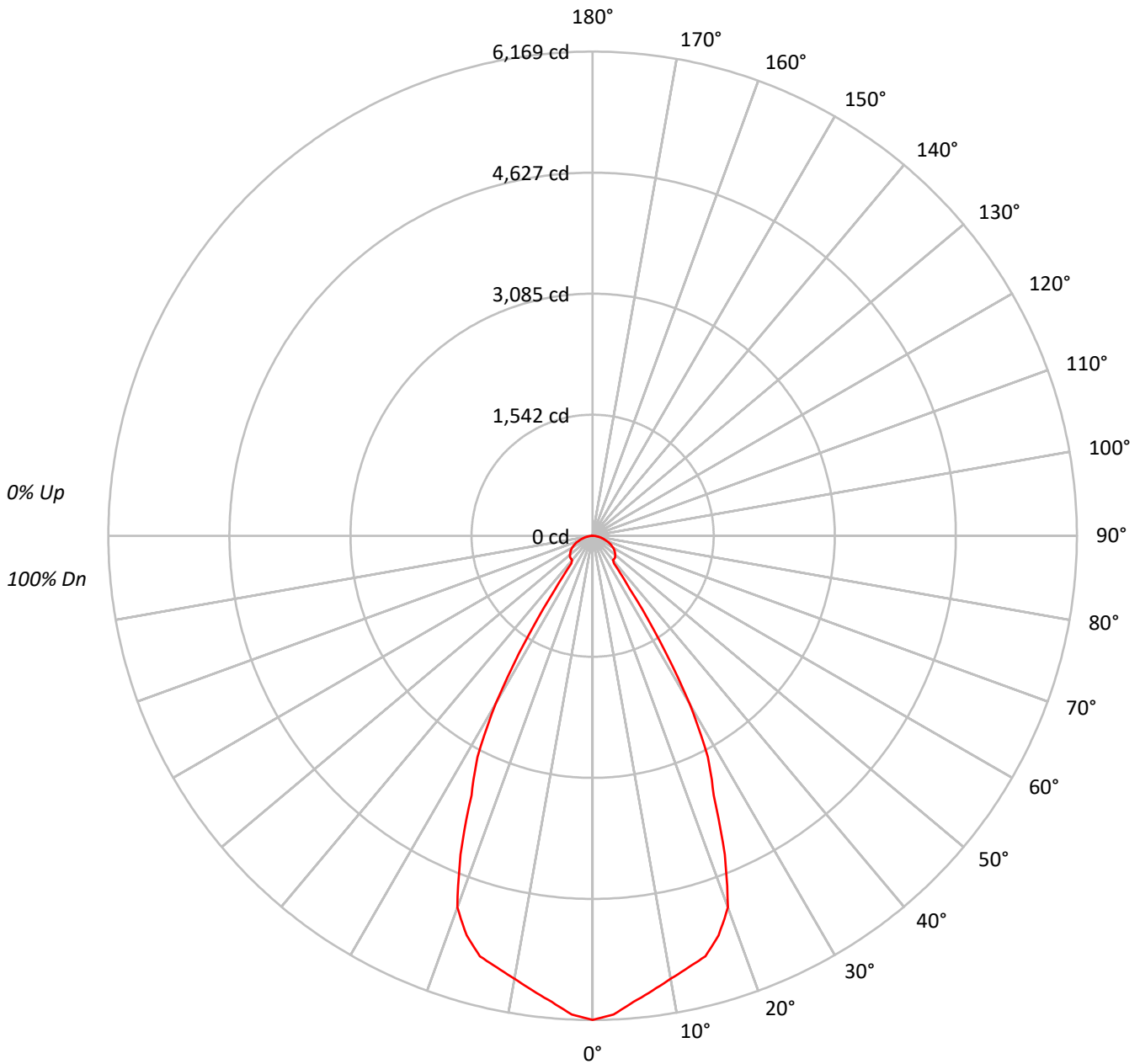


Downlight

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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°	673986
5°	653956
10°	635722
15°	627381
20°	585852
25°	440113
30°	311132
35°	110214
40°	57950
45°	61730
50°	63912
55°	65110
60°	65513
65°	64142
70°	60537
75°	56062
80°	49770
85°	40367

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 65540 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	562.4	10.3
10°-20°	1542.6	28.1
20°-30°	1699.0	31.0
30°-40°	649.1	11.8
40°-50°	306.5	5.6
50°-60°	304.7	5.6
60°-70°	244.0	4.4
70°-80°	140.2	2.6
80°-90°	38.1	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°	3804.0	69.3
0°-40°	4453.1	81.2
0°-60°	5064.3	92.3
0°-90°	5486.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5486.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6169	
5°	5962	562
15°	5546	1543
25°	3651	1699
35°	826	649
45°	400	307
55°	342	305
65°	248	244
75°	133	140
85°	32	38
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6168.6
2.5°	6104.1
5°	5962.5
7.5°	5844.3
10°	5730.0
12.5°	5633.4
15°	5546.4
17.5°	5336.5
20°	5038.6
22.5°	4395.9
25°	3650.7
27.5°	3178.0
30°	2466.1
32.5°	1592.9
35°	826.3
37.5°	446.3
40°	406.3
42.5°	403.4
45°	399.5
47.5°	390.7
50°	376.0
52.5°	359.4
55°	341.8
57.5°	322.3
60°	299.8
62.5°	274.4
65°	248.1
67.5°	218.8
70°	189.5
72.5°	160.2
75°	132.8
77.5°	104.5
80°	79.1
82.5°	55.7
85°	32.2
87.5°	12.7
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)