

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: P754395

Luminaire Tested: LD4D80BD010-EU4DR7070959024-4LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P754395  
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: LD4D80BD010-EU4DR7070959024-4LBDP1MW  
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5141.7 lumens  
Efficiency: N/A  
Efficacy: 65.2 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

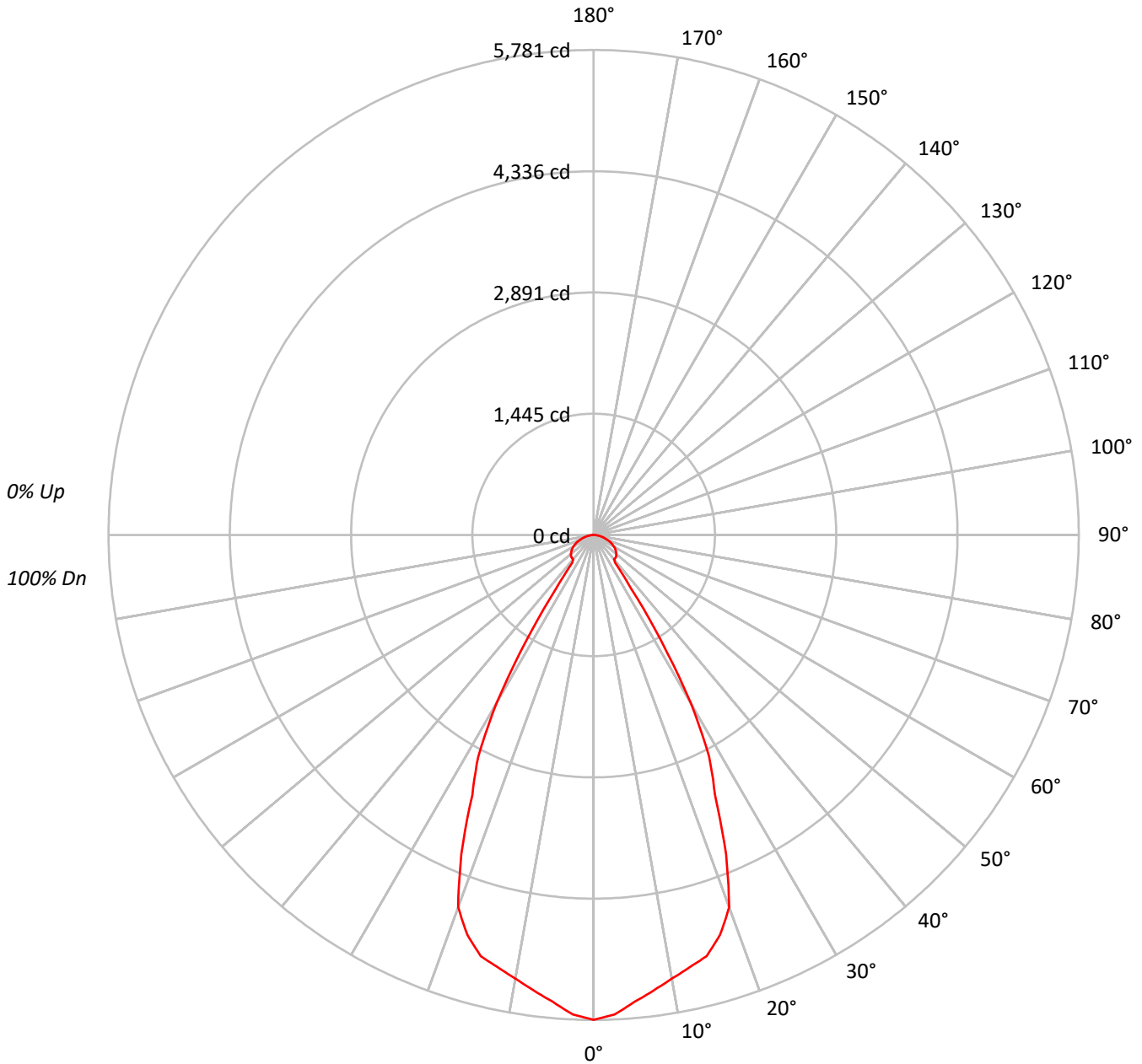
Input Watts (W): 78.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30
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°	631615
5°	612848
10°	595759
15°	587949
20°	549017
25°	412446
30°	291564
35°	103278
40°	54299
45°	57836
50°	59901
55°	61014
60°	61405
65°	60109
70°	56736
75°	52558
80°	46624
85°	37860

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 61412 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	527.0	10.3
10°-20°	1445.6	28.1
20°-30°	1592.2	31.0
30°-40°	608.3	11.8
40°-50°	287.2	5.6
50°-60°	285.5	5.6
60°-70°	228.6	4.4
70°-80°	131.4	2.6
80°-90°	35.7	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°	3564.8	69.3
0°-40°	4173.2	81.2
0°-60°	4745.9	92.3
0°-90°	5141.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5141.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5781	
5°	5588	527
15°	5198	1446
25°	3421	1592
35°	774	608
45°	374	287
55°	320	286
65°	232	229
75°	124	131
85°	30	36
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5780.8
2.5°	5720.4
5°	5587.7
7.5°	5476.9
10°	5369.8
12.5°	5279.2
15°	5197.8
17.5°	5001.0
20°	4721.8
22.5°	4119.6
25°	3421.2
27.5°	2978.3
30°	2311.0
32.5°	1492.8
35°	774.3
37.5°	418.3
40°	380.7
42.5°	378.0
45°	374.3
47.5°	366.1
50°	352.4
52.5°	336.8
55°	320.3
57.5°	302.0
60°	281.0
62.5°	257.2
65°	232.5
67.5°	205.0
70°	177.6
72.5°	150.1
75°	124.5
77.5°	97.9
80°	74.1
82.5°	52.2
85°	30.2
87.5°	11.9
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)