

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: P752020

Luminaire Tested: LD4D65D010-EU4DR6555659035-4LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P752020  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D65D010-EU4DR6555659035-4LBS1MW  
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5893.7 lumens  
Efficiency: N/A  
Efficacy: 81.0 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct

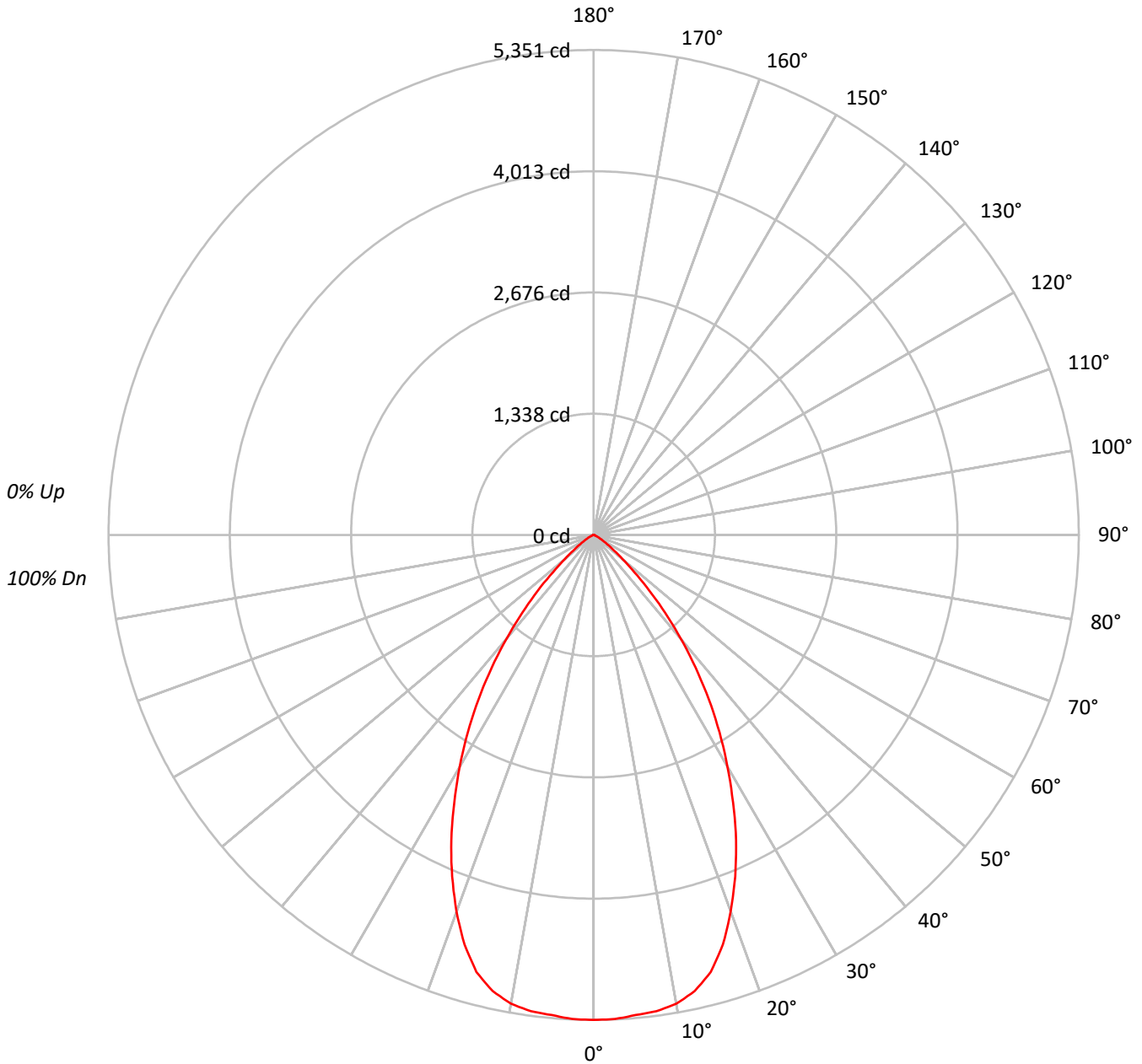
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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				100															
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93				93															
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85				85															
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78				78															
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72				72															
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66				66															
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61				61															
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56				56															
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52				52															
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49				49															
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46				46															

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

	0°
0°	312537
5°	311749
10°	311481
15°	301879
20°	274824
25°	239491
30°	199188
35°	157832
40°	113911
45°	71965
50°	37507
55°	19937
60°	10466
65°	5763
70°	2425
75°	2663
80°	1850
85°	1608

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 71965 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	506.1	8.6
10°-20°	1385.8	23.5
20°-30°	1693.9	28.7
30°-40°	1374.4	23.3
40°-50°	684.9	11.6
50°-60°	191.0	3.2
60°-70°	43.4	0.7
70°-80°	11.3	0.2
80°-90°	2.9	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°	3585.8	60.8
0°-40°	4960.2	84.2
0°-60°	5836.1	99.0
0°-90°	5893.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5893.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5351	
5°	5318	506
15°	4993	1386
25°	3716	1694
35°	2214	1374
45°	871	685
55°	196	191
65°	42	43
75°	12	11
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5351.3
2.5°	5347.4
5°	5317.5
7.5°	5300.2
10°	5252.2
12.5°	5154.7
15°	4992.7
17.5°	4739.5
20°	4421.8
22.5°	4078.9
25°	3716.4
27.5°	3328.7
30°	2953.6
32.5°	2583.3
35°	2213.7
37.5°	1844.8
40°	1494.1
42.5°	1165.4
45°	871.3
47.5°	607.1
50°	412.8
52.5°	284.7
55°	195.8
57.5°	132.1
60°	89.6
62.5°	62.1
65°	41.7
67.5°	21.2
70°	14.2
72.5°	13.4
75°	11.8
77.5°	7.9
80°	5.5
82.5°	3.9
85°	2.4
87.5°	1.6
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)