

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: P752081

Luminaire Tested: LD4D65D010-EU4DR7055659030-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752081
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: LD4D65D010-EU4DR7055659030-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5246.6 lumens
Efficiency: N/A
Efficacy: 72.1 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

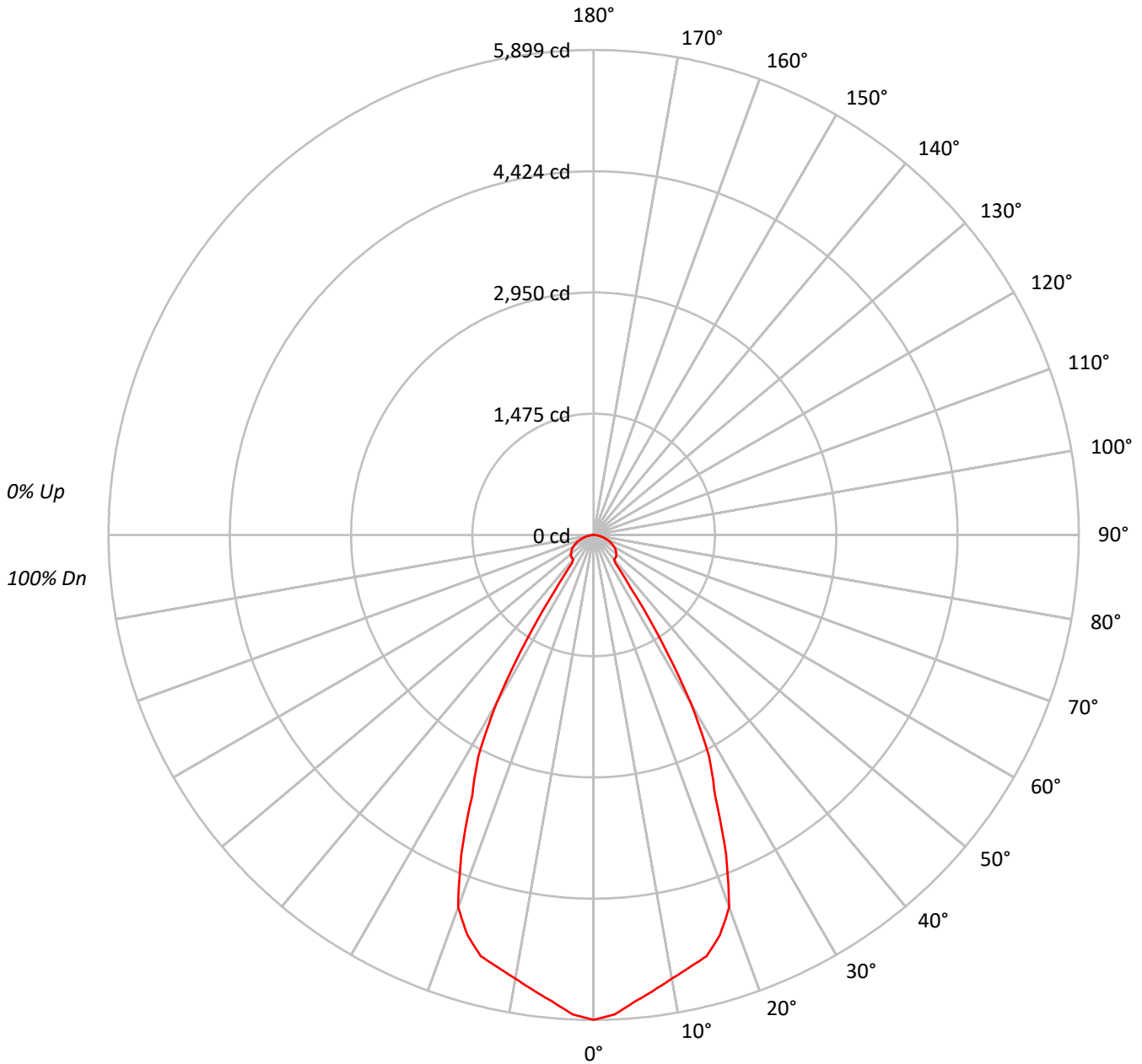
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	644496
5°	625341
10°	607919
15°	599940
20°	560214
25°	420861
30°	297519
35°	105386
40°	55412
45°	59026
50°	61125
55°	62271
60°	62650
65°	61324
70°	57886
75°	53613
80°	47568
85°	38612

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 62673 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	537.8	10.3
10°-20°	1475.1	28.1
20°-30°	1624.6	31.0
30°-40°	620.7	11.8
40°-50°	293.1	5.6
50°-60°	291.4	5.6
60°-70°	233.3	4.4
70°-80°	134.1	2.6
80°-90°	36.4	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°	3637.6	69.3
0°-40°	4258.3	81.2
0°-60°	4842.8	92.3
0°-90°	5246.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5246.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5899	
5°	5702	538
15°	5304	1475
25°	3491	1625
35°	790	621
45°	382	293
55°	327	291
65°	237	233
75°	127	134
85°	31	36
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5898.7
2.5°	5837.1
5°	5701.6
7.5°	5588.6
10°	5479.4
12.5°	5386.9
15°	5303.8
17.5°	5103.0
20°	4818.1
22.5°	4203.6
25°	3491.0
27.5°	3039.0
30°	2358.2
32.5°	1523.2
35°	790.1
37.5°	426.8
40°	388.5
42.5°	385.7
45°	382.0
47.5°	373.6
50°	359.6
52.5°	343.7
55°	326.9
57.5°	308.2
60°	286.7
62.5°	262.4
65°	237.2
67.5°	209.2
70°	181.2
72.5°	153.2
75°	127.0
77.5°	99.9
80°	75.6
82.5°	53.2
85°	30.8
87.5°	12.1
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)