

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: P752055

Luminaire Tested: LD4D65D010-EU4DR7055659024-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752055
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-EU4DR7055659024-4LBDP1MW
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: 4495.7 lumens
Efficiency: N/A
Efficacy: 61.8 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): 72.8
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

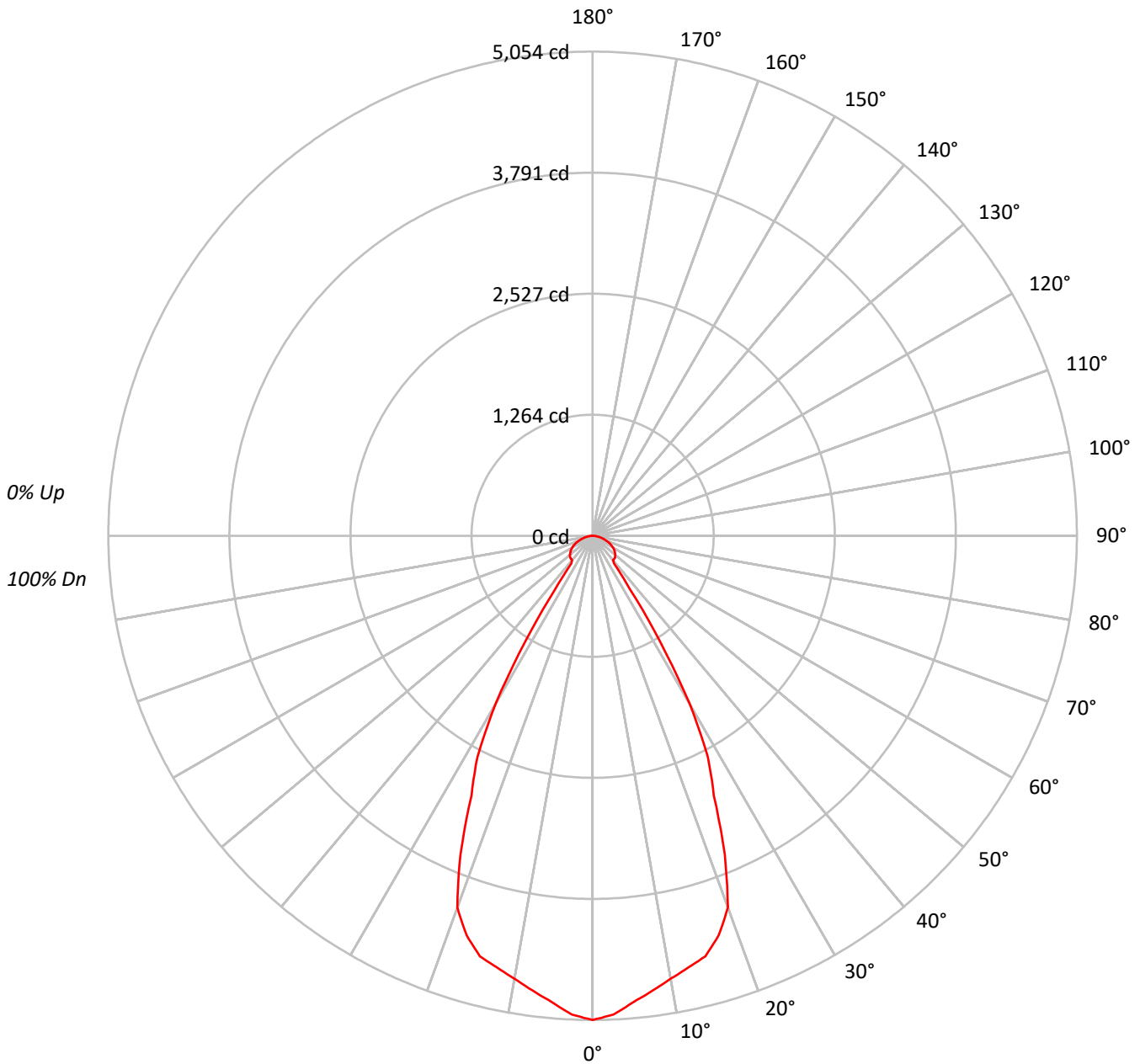


Downlight

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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	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°	552258
5°	535854
10°	520915
15°	514085
20°	480044
25°	360631
30°	254938
35°	90300
40°	47481
45°	50574
50°	52371
55°	53356
60°	53691
65°	52560
70°	49612
75°	45930
80°	40773
85°	33096

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 53705 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	460.8	10.3
10°-20°	1264.0	28.1
20°-30°	1392.1	31.0
30°-40°	531.9	11.8
40°-50°	251.1	5.6
50°-60°	249.7	5.6
60°-70°	199.9	4.4
70°-80°	114.9	2.6
80°-90°	31.2	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°	3117.0	69.3
0°-40°	3648.9	81.2
0°-60°	4149.7	92.3
0°-90°	4495.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4495.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5054	
5°	4886	461
15°	4545	1264
25°	2991	1392
35°	677	532
45°	327	251
55°	280	250
65°	203	200
75°	109	115
85°	26	31
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5054.5
2.5°	5001.7
5°	4885.7
7.5°	4788.8
10°	4695.2
12.5°	4616.0
15°	4544.8
17.5°	4372.7
20°	4128.6
22.5°	3602.0
25°	2991.4
27.5°	2604.1
30°	2020.7
32.5°	1305.2
35°	677.0
37.5°	365.7
40°	332.9
42.5°	330.5
45°	327.3
47.5°	320.1
50°	308.1
52.5°	294.5
55°	280.1
57.5°	264.1
60°	245.7
62.5°	224.9
65°	203.3
67.5°	179.3
70°	155.3
72.5°	131.2
75°	108.8
77.5°	85.6
80°	64.8
82.5°	45.6
85°	26.4
87.5°	10.4
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)