

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: P742766

Luminaire Tested: LD4D10D010-EU4DR700210IC9035-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P742766
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: LD4D10D010-EU4DR700210IC9035-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 831.8 lumens
Efficiency: N/A
Efficacy: 71.1 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): 11.7
Input Voltage (V): NR
Input Current (Ain): 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



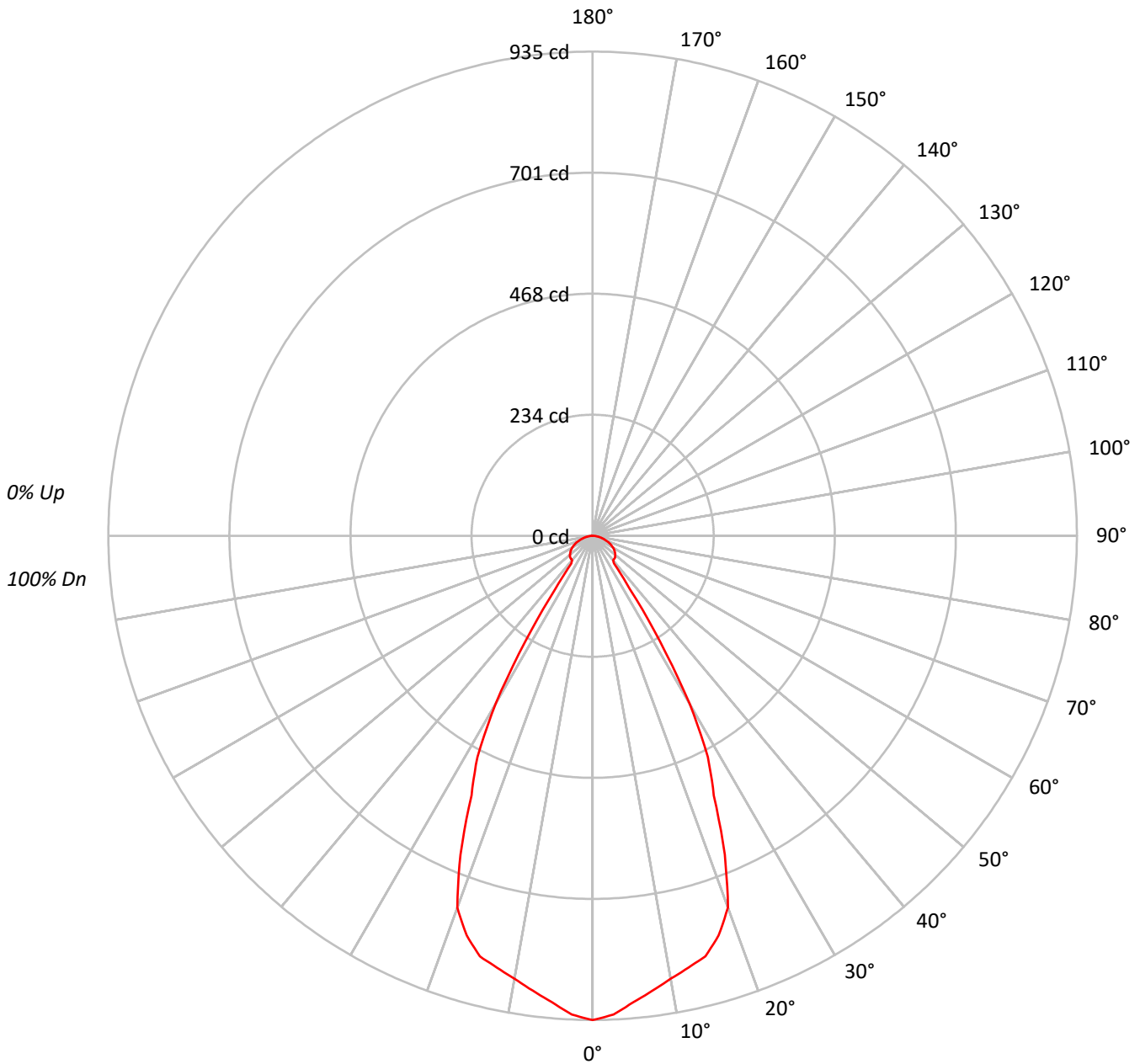
Downlight



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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			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°	102181
5°	99138
10°	96379
15°	95118
20°	88821
25°	66728
30°	47173
35°	16700
40°	8786
45°	9364
50°	9689
55°	9886
60°	9921
65°	9721
70°	9168
75°	8485
80°	7550
85°	6143

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 9944 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.3	10.2
10°-20°	233.9	28.1
20°-30°	257.6	31.0
30°-40°	98.4	11.8
40°-50°	46.5	5.6
50°-60°	46.2	5.6
60°-70°	37.0	4.4
70°-80°	21.3	2.6
80°-90°	5.8	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°	576.7	69.3
0°-40°	675.1	81.2
0°-60°	767.8	92.3
0°-90°	831.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	831.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	935	
5°	904	85
15°	841	234
25°	554	258
35°	125	98
45°	61	46
55°	52	46
65°	38	37
75°	20	21
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	935.2
2.5°	925.4
5°	903.9
7.5°	886.0
10°	868.7
12.5°	854.0
15°	840.9
17.5°	809.1
20°	763.9
22.5°	666.5
25°	553.5
27.5°	481.8
30°	373.9
32.5°	241.5
35°	125.2
37.5°	67.7
40°	61.6
42.5°	61.1
45°	60.6
47.5°	59.2
50°	57.0
52.5°	54.5
55°	51.9
57.5°	48.9
60°	45.4
62.5°	41.6
65°	37.6
67.5°	33.2
70°	28.7
72.5°	24.3
75°	20.1
77.5°	15.9
80°	12.0
82.5°	8.4
85°	4.9
87.5°	1.9
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)