

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: P753147

Luminaire Tested: LD4D75BD010-EU4DR4070959024-4LBDP1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P753147
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR4070959024-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6084.4 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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

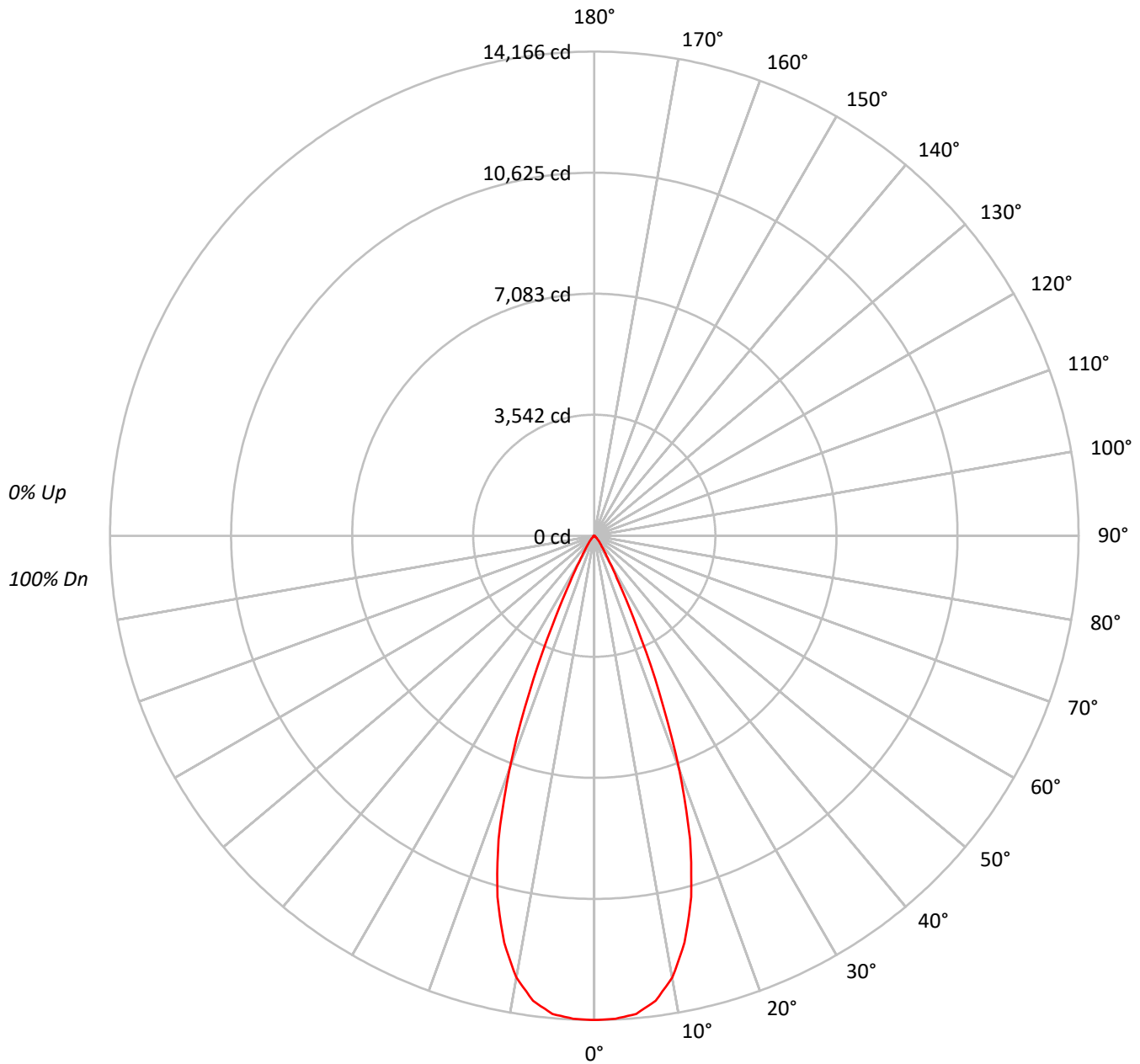


Downlight

TEST NUMBER: P753147

CATALOG NUMBER: LD4D75BD010-EU4DR4070959024-4LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P753147

CATALOG NUMBER: LD4D75BD010-EU4DR4070959024-4LBDP1MW

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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96						
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92						
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88						
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84						
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81						
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77						
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74						
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72						
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69						
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1547788
5°	1540265
10°	1455893
15°	1237694
20°	843571
25°	351975
30°	110671
35°	51432
40°	28440
45°	13041
50°	6323
55°	3467
60°	1814
65°	646
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13041 cd/sqm



TEST NUMBER: P753147

CATALOG NUMBER: LD4D75BD010-EU4DR4070959024-4LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1311.3	21.6
10°-20°	2937.7	48.3
20°-30°	1470.5	24.2
30°-40°	269.6	4.4
40°-50°	74.4	1.2
50°-60°	17.5	0.3
60°-70°	3.4	0.1
70°-80°	0.1	0.0
80°-90°	0.0	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°	5719.5	94.0
0°-40°	5989.1	98.4
0°-60°	6080.9	99.9
0°-90°	6084.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6084.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14166	
5°	14044	###
15°	10942	2938
25°	2920	1471
35°	386	270
45°	84	74
55°	18	17
65°	2	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P753147

CATALOG NUMBER: LD4D75BD010-EU4DR4070959024-4LBDP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	14166.0
2.5°	14145.3
5°	14043.5
7.5°	13719.1
10°	13122.5
12.5°	12192.3
15°	10941.9
17.5°	9315.7
20°	7255.1
22.5°	4946.3
25°	2919.6
27.5°	1543.4
30°	877.2
32.5°	566.9
35°	385.6
37.5°	275.6
40°	199.4
42.5°	136.5
45°	84.4
47.5°	53.8
50°	37.2
52.5°	26.5
55°	18.2
57.5°	11.6
60°	8.3
62.5°	5.0
65°	2.5
67.5°	1.7
70°	0.8
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)