

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: P753372

Luminaire Tested: LD4D75BD010-EU4DR5070959050-4LBS1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P753372
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR5070959050-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7922.4 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
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

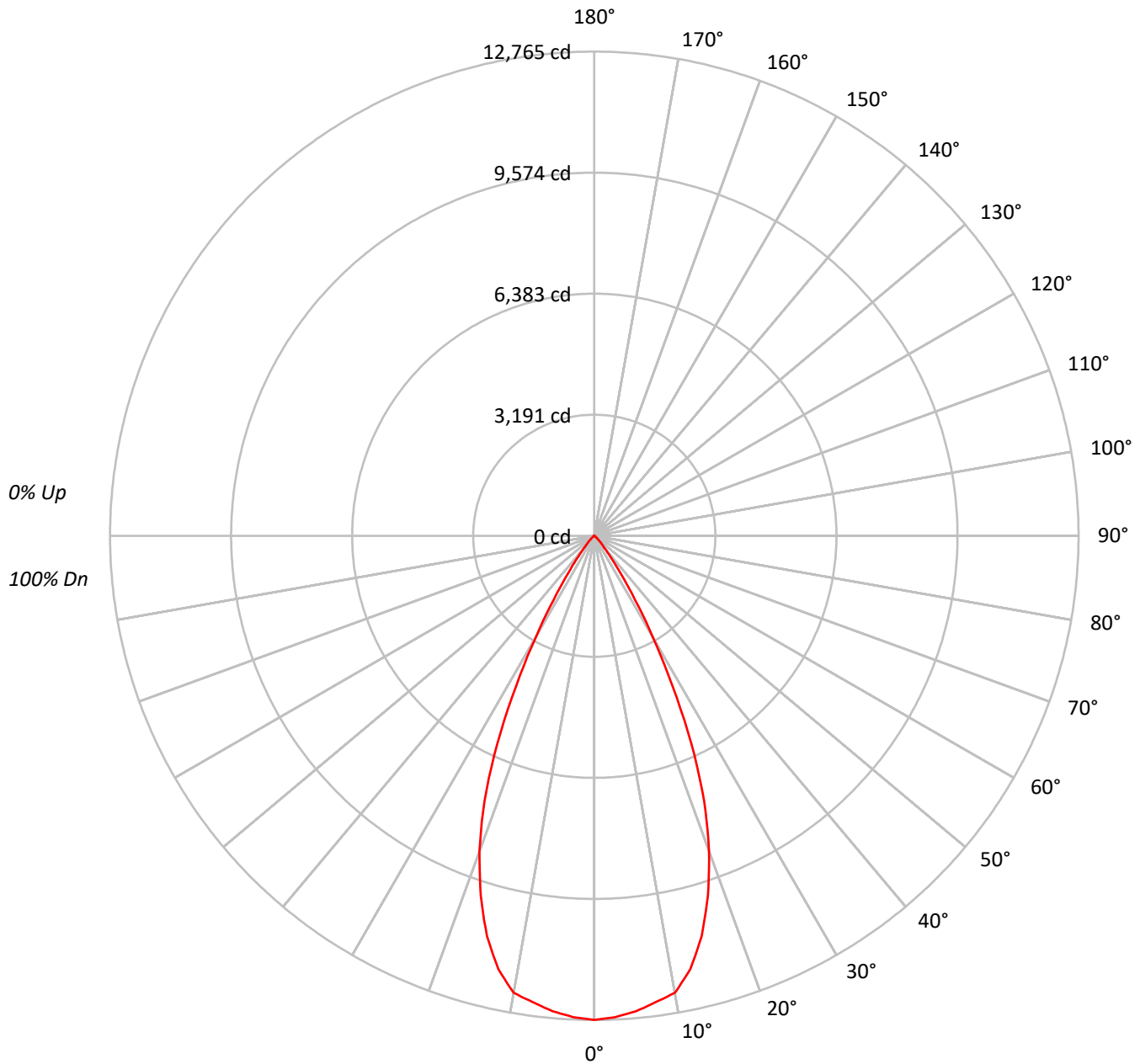


Downlight

TEST NUMBER: P753372

CATALOG NUMBER: LD4D75BD010-EU4DR5070959050-4LBS1MW

Luminous Intensity Polar Plot



TEST NUMBER: P753372

CATALOG NUMBER: LD4D75BD010-EU4DR5070959050-4LBS1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	109	107	112	110	108	106	106	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	98	95		97	95	93		95
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	93	88	85	90	87	84		89	85	83		87
5	96	89	84	80	95	88	83	79	86	82	79		85	81	78		83
6	92	84	79	75	91	83	79	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	71		77	73	70		76
8	85	76	71	67	84	76	71	67	75	70	67		74	70	67		73
9	81	73	68	64	80	72	67	64	71	67	64		71	67	64		70
10	78	70	64	61	77	69	64	61	68	64	61		68	64	61		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1394724
5°	1380102
10°	1357383
15°	1235997
20°	1028492
25°	730074
30°	386426
35°	157472
40°	58478
45°	26778
50°	10981
55°	5734
60°	2819
65°	827
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26778 cd/sqm



TEST NUMBER: P753372

CATALOG NUMBER: LD4D75BD010-EU4DR5070959050-4LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1189.4	15.0
10°-20°	3005.8	37.9
20°-30°	2700.0	34.1
30°-40°	845.3	10.7
40°-50°	148.0	1.9
50°-60°	29.5	0.4
60°-70°	4.4	0.1
70°-80°	0.0	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°	6895.1	87.0
0°-40°	7740.5	97.7
0°-60°	7918.0	99.9
0°-90°	7922.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7922.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12765	
5°	12583	###
15°	10927	3006
25°	6056	2700
35°	1181	845
45°	173	148
55°	30	29
65°	3	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P753372

CATALOG NUMBER: LD4D75BD010-EU4DR5070959050-4LBS1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	12765.1
2.5°	12701.6
5°	12583.2
7.5°	12402.4
10°	12234.6
12.5°	11696.4
15°	10926.9
17.5°	9949.7
20°	8845.5
22.5°	7568.0
25°	6055.9
27.5°	4452.4
30°	3062.9
32.5°	1994.2
35°	1180.6
37.5°	678.0
40°	410.0
42.5°	266.9
45°	173.3
47.5°	105.5
50°	64.6
52.5°	44.1
55°	30.1
57.5°	20.4
60°	12.9
62.5°	7.5
65°	3.2
67.5°	1.1
70°	0.0
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)