

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: P753576

Luminaire Tested: LD4D75BD010-EU4DR6570959035-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753576
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR6570959035-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5477.1 lumens
Efficiency: N/A
Efficacy: 75.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

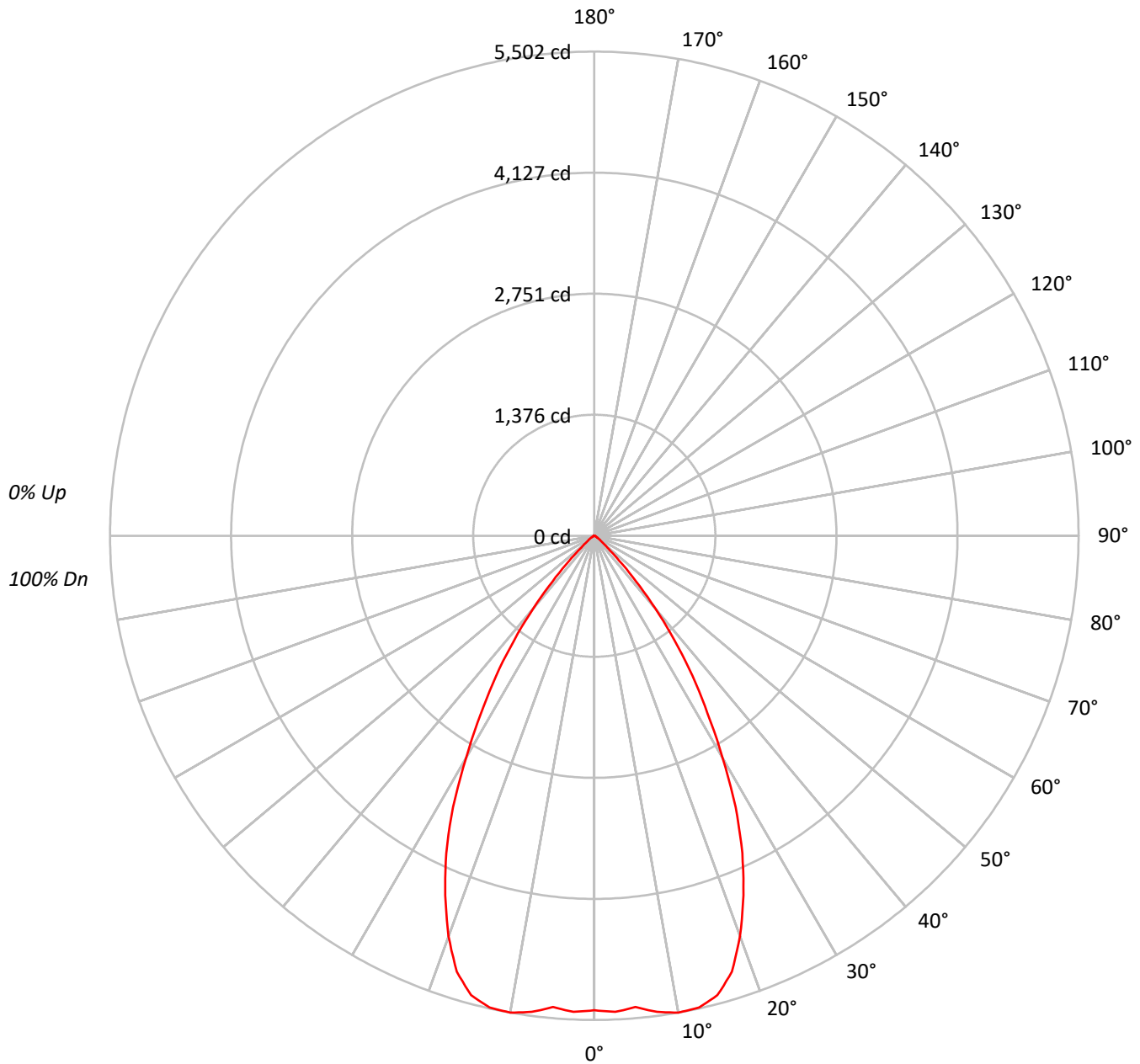


Downlight

TEST NUMBER: P753576

CATALOG NUMBER: LD4D75BD010-EU4DR6570959035-4LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P753576

CATALOG NUMBER: LD4D75BD010-EU4DR6570959035-4LBDP1MW

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	111	108	106		111	108	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95		106	101	97	94		98	95	92		95	92	90		92	90	88
3	102	96	91	87		100	94	90	86		92	88	85		89	86	83		87	84	82
4	97	89	84	79		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	83	78	73		90	83	77	73		81	76	72		79	75	72		77	74	71
6	87	78	72	68		86	77	72	68		76	71	67		74	70	67		73	69	66
7	83	73	67	63		81	73	67	63		71	66	62		70	66	62		69	65	62
8	79	69	63	59		77	68	63	59		67	62	58		66	62	58		65	61	58
9	75	65	59	55		74	65	59	55		64	58	55		63	58	55		62	58	54
10	71	61	56	52		70	61	55	52		60	55	51		59	55	51		59	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	589200
5°	589684
10°	610438
15°	611455
20°	562947
25°	479656
30°	367199
35°	259416
40°	153127
45°	62163
50°	22539
55°	12553
60°	7211
65°	3956
70°	4153
75°	3251
80°	3398
85°	2883

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 62163 cd/sqm



TEST NUMBER: P753576

CATALOG NUMBER: LD4D75BD010-EU4DR6570959035-4LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	519.3	9.5
10°-20°	1497.8	27.3
20°-30°	1797.1	32.8
30°-40°	1207.7	22.1
40°-50°	361.5	6.6
50°-60°	63.8	1.2
60°-70°	18.1	0.3
70°-80°	8.9	0.2
80°-90°	2.8	0.1
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°	3814.2	69.6
0°-40°	5021.9	91.7
0°-60°	5447.2	99.5
0°-90°	5477.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5477.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5393	
5°	5376	519
15°	5406	1498
25°	3979	1797
35°	1945	1208
45°	402	362
55°	66	64
65°	15	18
75°	8	9
85°	2	3
90°	0	



TEST NUMBER: P753576

CATALOG NUMBER: LD4D75BD010-EU4DR6570959035-4LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	5392.6
2.5°	5415.6
5°	5376.5
7.5°	5457.7
10°	5502.1
12.5°	5491.4
15°	5405.6
17.5°	5195.6
20°	4841.6
22.5°	4424.7
25°	3978.7
27.5°	3475.2
30°	2910.5
32.5°	2398.6
35°	1944.9
37.5°	1496.6
40°	1073.6
42.5°	701.2
45°	402.3
47.5°	213.0
50°	132.6
52.5°	92.0
55°	65.9
57.5°	47.5
60°	33.0
62.5°	21.5
65°	15.3
67.5°	13.8
70°	13.0
72.5°	10.0
75°	7.7
77.5°	6.9
80°	5.4
82.5°	3.8
85°	2.3
87.5°	1.5
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)