

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: P753547

Luminaire Tested: LD4D75BD010-EU4DR6570959027-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753547
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-EU4DR6570959027-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4542.1 lumens
Efficiency: N/A
Efficacy: 62.7 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

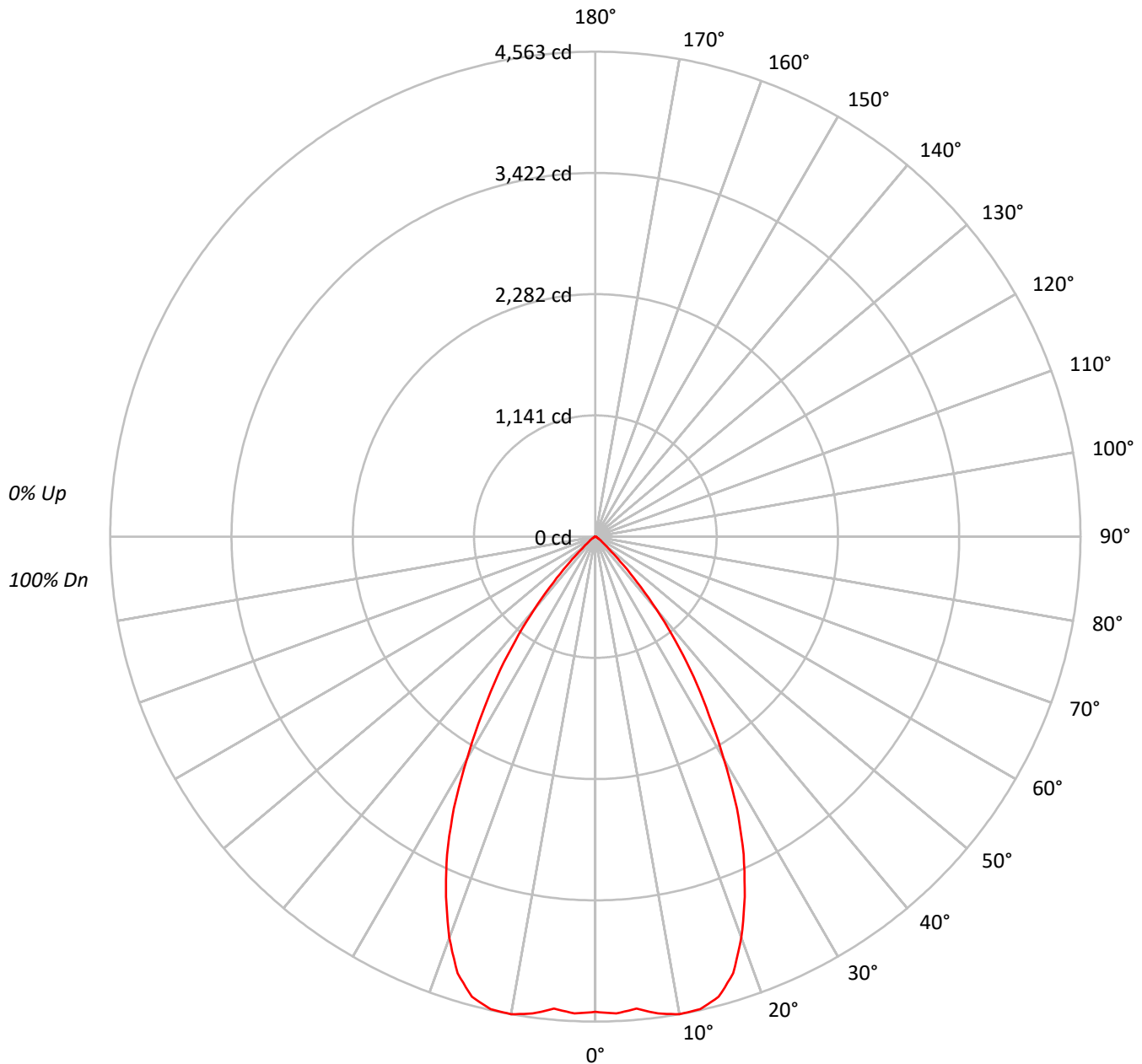


Downlight

TEST NUMBER: P753547

CATALOG NUMBER: LD4D75BD010-EU4DR6570959027-4LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P753547

CATALOG NUMBER: LD4D75BD010-EU4DR6570959027-4LBDP1B

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	488614
5°	489022
10°	506237
15°	507072
20°	466847
25°	397774
30°	304508
35°	215133
40°	126983
45°	51547
50°	18681
55°	10420
60°	5966
65°	3283
70°	3450
75°	2702
80°	2769
85°	2382

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 51547 cd/sqm



TEST NUMBER: P753547

CATALOG NUMBER: LD4D75BD010-EU4DR6570959027-4LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	430.6	9.5
10°-20°	1242.1	27.3
20°-30°	1490.3	32.8
30°-40°	1001.5	22.0
40°-50°	299.8	6.6
50°-60°	52.9	1.2
60°-70°	15.0	0.3
70°-80°	7.4	0.2
80°-90°	2.3	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°	3163.1	69.6
0°-40°	4164.6	91.7
0°-60°	4517.3	99.5
0°-90°	4542.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4542.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4472	
5°	4459	431
15°	4483	1242
25°	3300	1490
35°	1613	1002
45°	334	300
55°	55	53
65°	13	15
75°	6	7
85°	2	2
90°	0	



TEST NUMBER: P753547

CATALOG NUMBER: LD4D75BD010-EU4DR6570959027-4LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	4472.0
2.5°	4491.1
5°	4458.7
7.5°	4526.0
10°	4562.9
12.5°	4554.0
15°	4482.8
17.5°	4308.7
20°	4015.1
22.5°	3669.4
25°	3299.5
27.5°	2882.0
30°	2413.6
32.5°	1989.1
35°	1612.9
37.5°	1241.1
40°	890.3
42.5°	581.5
45°	333.6
47.5°	176.7
50°	109.9
52.5°	76.3
55°	54.7
57.5°	39.4
60°	27.3
62.5°	17.8
65°	12.7
67.5°	11.4
70°	10.8
72.5°	8.3
75°	6.4
77.5°	5.7
80°	4.4
82.5°	3.2
85°	1.9
87.5°	1.3
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)