

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: P753210

Luminaire Tested: LD4D75BD010-EU4DR4070959050-4LBDP1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P753210
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-EU4DR4070959050-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7973.1 lumens
Efficiency: N/A
Efficacy: 110.1 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

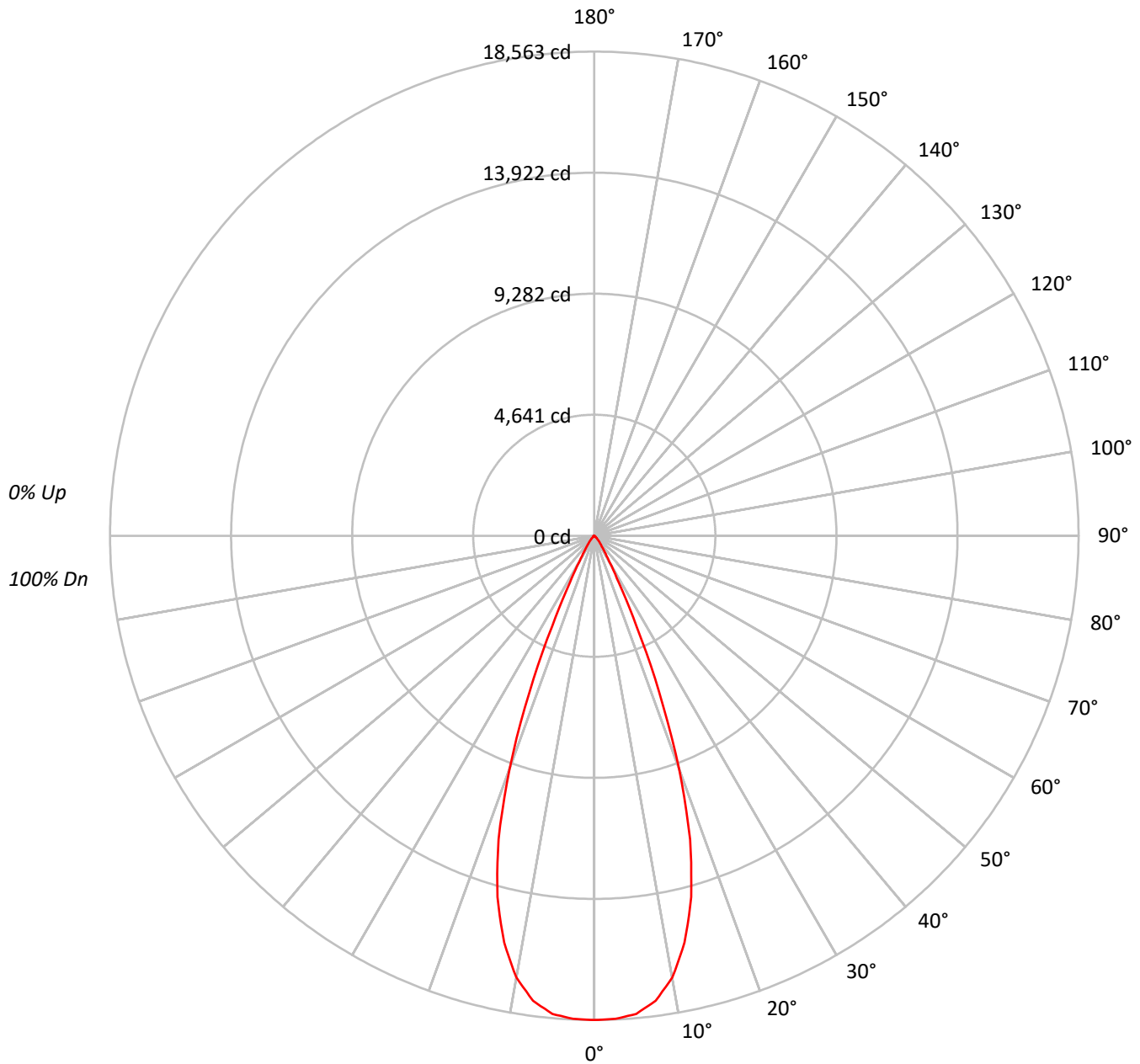


Downlight

TEST NUMBER: P753210

CATALOG NUMBER: LD4D75BD010-EU4DR4070959050-4LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P753210

CATALOG NUMBER: LD4D75BD010-EU4DR4070959050-4LBDP1H

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2028251
5°	2018395
10°	1907821
15°	1621889
20°	1105429
25°	461235
30°	145025
35°	67398
40°	37269
45°	17090
50°	8295
55°	4553
60°	2360
65°	853
70°	351
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17090 cd/sqm



TEST NUMBER: P753210

CATALOG NUMBER: LD4D75BD010-EU4DR4070959050-4LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1718.4	21.6
10°-20°	3849.6	48.3
20°-30°	1927.0	24.2
30°-40°	353.2	4.4
40°-50°	97.4	1.2
50°-60°	22.9	0.3
60°-70°	4.4	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°	7494.9	94.0
0°-40°	7848.2	98.4
0°-60°	7968.5	99.9
0°-90°	7973.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7973.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18563	
5°	18403	###
15°	14338	3850
25°	3826	1927
35°	505	353
45°	111	97
55°	24	23
65°	3	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P753210

CATALOG NUMBER: LD4D75BD010-EU4DR4070959050-4LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	18563.4
2.5°	18536.2
5°	18402.9
7.5°	17977.8
10°	17195.9
12.5°	15977.0
15°	14338.4
17.5°	12207.5
20°	9507.2
22.5°	6481.7
25°	3825.9
27.5°	2022.5
30°	1149.5
32.5°	742.8
35°	505.3
37.5°	361.1
40°	261.3
42.5°	178.9
45°	110.6
47.5°	70.5
50°	48.8
52.5°	34.7
55°	23.9
57.5°	15.2
60°	10.8
62.5°	6.5
65°	3.3
67.5°	2.2
70°	1.1
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)