

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: P753135

Luminaire Tested: LD4D75BD010-EU4DR3570959050-4LBS1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P753135
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR3570959050-4LBS1B
Description: 4 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7144.2 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (A_{in}): 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

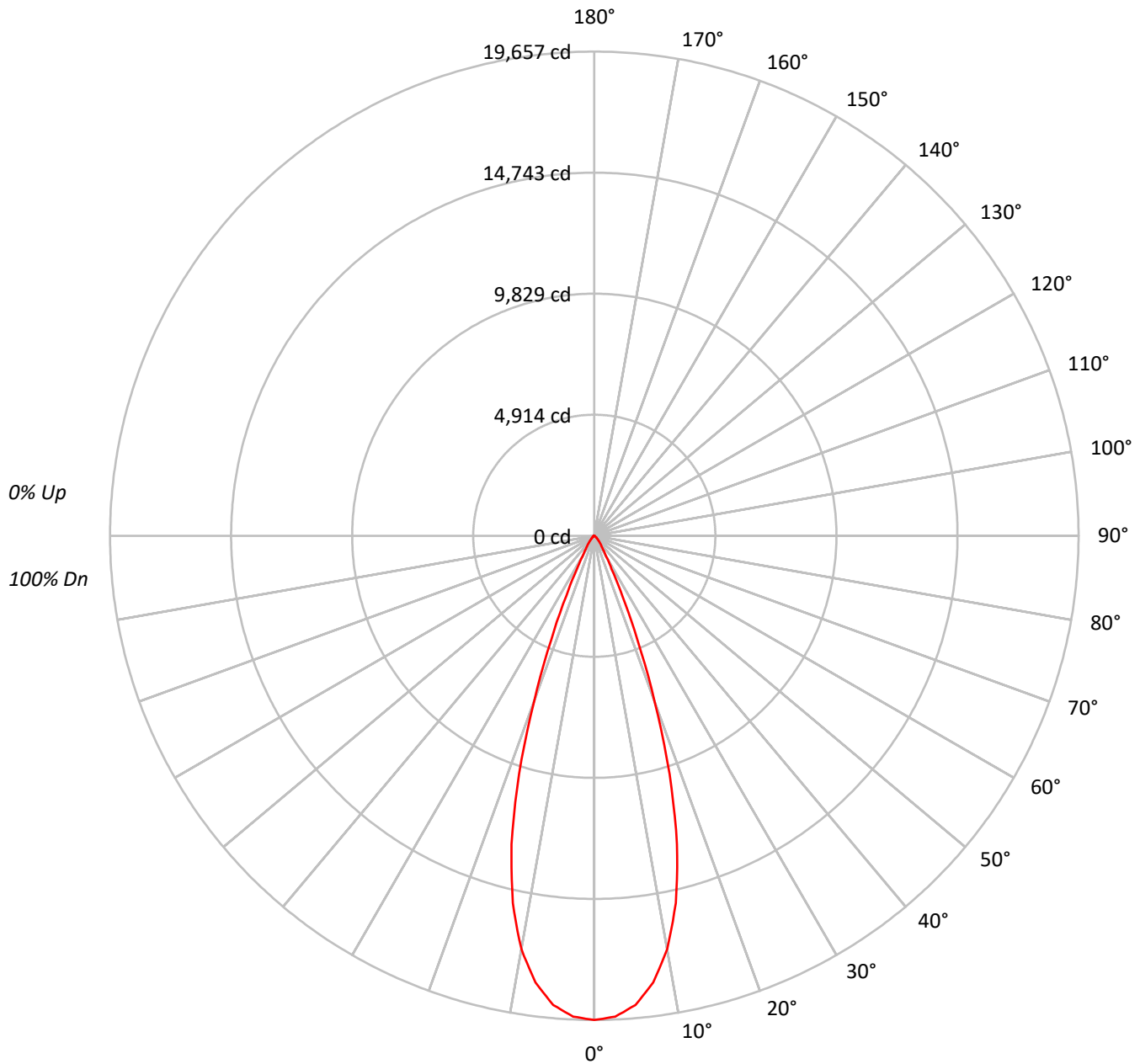


Downlight

TEST NUMBER: P753135

CATALOG NUMBER: LD4D75BD010-EU4DR3570959050-4LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P753135

CATALOG NUMBER: LD4D75BD010-EU4DR3570959050-4LBS1B

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2147750
5°	2097287
10°	1890214
15°	1467102
20°	832118
25°	323729
30°	120776
35°	66198
40°	43274
45°	26330
50°	16760
55°	11848
60°	8675
65°	4705
70°	351
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26330 cd/sqm



TEST NUMBER: P753135

CATALOG NUMBER: LD4D75BD010-EU4DR3570959050-4LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1758.7	24.6
10°-20°	3433.7	48.1
20°-30°	1400.4	19.6
30°-40°	335.1	4.7
40°-50°	139.7	2.0
50°-60°	57.8	0.8
60°-70°	18.1	0.3
70°-80°	0.4	0.0
80°-90°	0.3	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°	6592.8	92.3
0°-40°	6927.9	97.0
0°-60°	7125.4	99.7
0°-90°	7144.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7144.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19657	
5°	19122	###
15°	12970	3434
25°	2685	1400
35°	496	335
45°	170	140
55°	62	58
65°	18	18
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P753135

CATALOG NUMBER: LD4D75BD010-EU4DR3570959050-4LBS1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	19657.1
2.5°	19539.2
5°	19122.2
7.5°	18290.4
10°	17037.2
12.5°	15272.7
15°	12970.0
17.5°	10153.9
20°	7156.6
22.5°	4563.5
25°	2685.3
27.5°	1517.9
30°	957.3
32.5°	672.1
35°	496.3
37.5°	383.8
40°	303.4
42.5°	233.7
45°	170.4
47.5°	127.6
50°	98.6
52.5°	78.3
55°	62.2
57.5°	50.4
60°	39.7
62.5°	28.9
65°	18.2
67.5°	6.4
70°	1.1
72.5°	1.1
75°	0.0
77.5°	0.0
80°	0.0
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)