

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: P753580

Luminaire Tested: LD4D75BD010-EU4DR6570959035-4LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P753580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR6570959035-4LBS1MW
Description: 4 INCH ROUND SHALLOW 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: 6349.6 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' 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

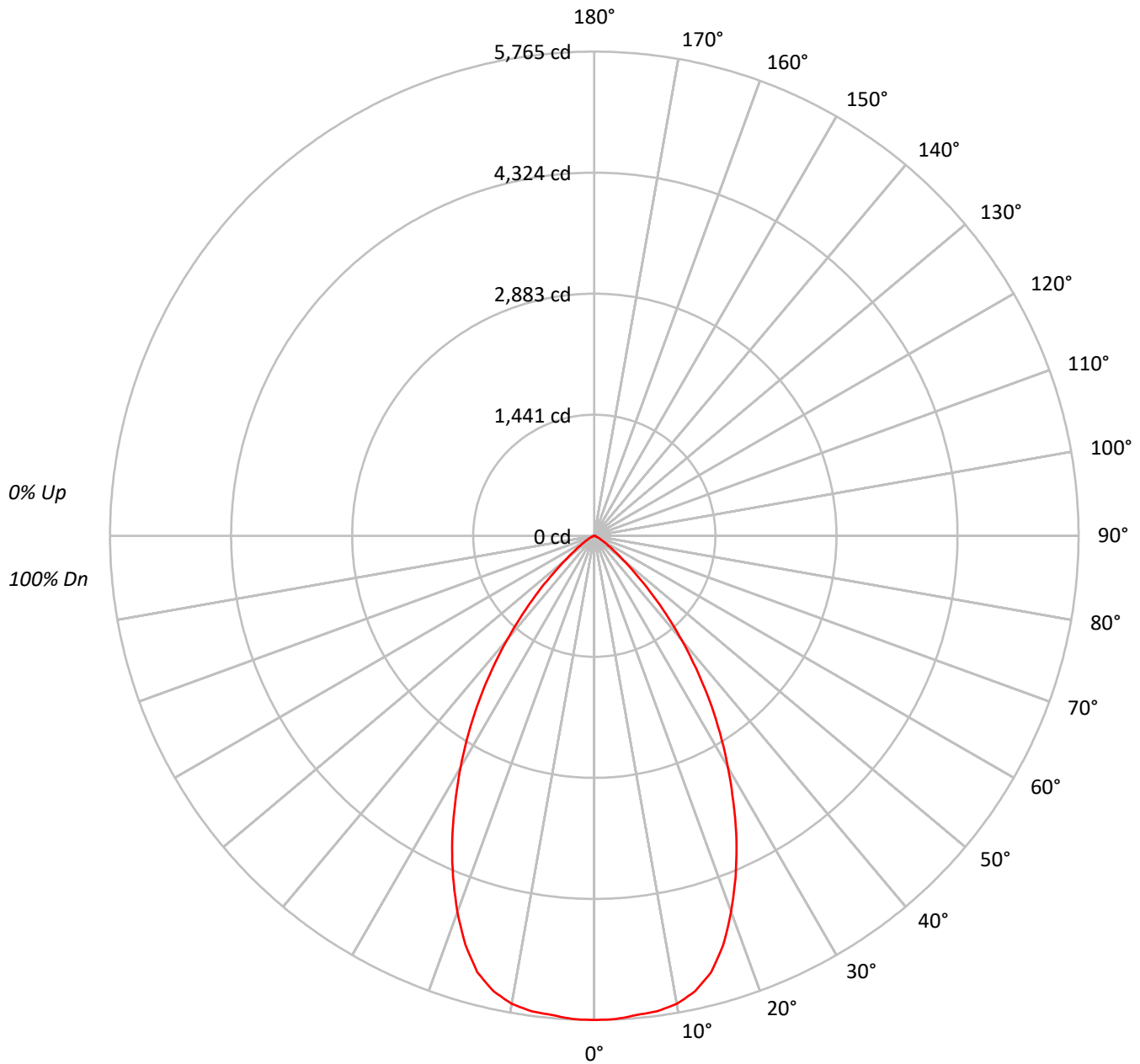


Downlight

TEST NUMBER: P753580

CATALOG NUMBER: LD4D75BD010-EU4DR6570959035-4LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P753580

CATALOG NUMBER: LD4D75BD010-EU4DR6570959035-4LBS1MW

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	113	110	107	105	111	108	105	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	92	97	93	90		94	91	88		91
3	101	94	88	84	99	92	87	83	90	86	82		87	84	81		85
4	95	87	81	76	93	86	80	76	84	79	75		82	77	74		80
5	90	81	74	70	88	80	74	69	78	73	69		76	72	68		75
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70
7	80	70	64	59	79	69	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	51		59	54	50		58
10	68	58	52	47	67	57	51	47	57	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	336716
5°	335862
10°	335576
15°	325231
20°	296086
25°	258017
30°	214598
35°	170039
40°	122725
45°	77532
50°	40415
55°	21485
60°	11284
65°	6205
70°	2596
75°	2866
80°	1984
85°	1675

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 77532 cd/sqm



TEST NUMBER: P753580

CATALOG NUMBER: LD4D75BD010-EU4DR6570959035-4LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	545.2	8.6
10°-20°	1493.0	23.5
20°-30°	1824.9	28.7
30°-40°	1480.7	23.3
40°-50°	737.9	11.6
50°-60°	205.8	3.2
60°-70°	46.8	0.7
70°-80°	12.2	0.2
80°-90°	3.1	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°	3863.1	60.8
0°-40°	5343.9	84.2
0°-60°	6287.5	99.0
0°-90°	6349.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6349.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5765	
5°	5729	545
15°	5379	1493
25°	4004	1825
35°	2385	1481
45°	939	738
55°	211	206
65°	45	47
75°	13	12
85°	2	3
90°	0	



TEST NUMBER: P753580

CATALOG NUMBER: LD4D75BD010-EU4DR6570959035-4LBS1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	5765.3
2.5°	5761.0
5°	5728.8
7.5°	5710.2
10°	5658.5
12.5°	5553.4
15°	5378.9
17.5°	5106.1
20°	4763.9
22.5°	4394.5
25°	4003.9
27.5°	3586.2
30°	3182.1
32.5°	2783.1
35°	2384.9
37.5°	1987.6
40°	1609.7
42.5°	1255.6
45°	938.7
47.5°	654.0
50°	444.8
52.5°	306.7
55°	211.0
57.5°	142.3
60°	96.6
62.5°	66.9
65°	44.9
67.5°	22.9
70°	15.2
72.5°	14.4
75°	12.7
77.5°	8.5
80°	5.9
82.5°	4.2
85°	2.5
87.5°	1.7
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)