

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: P753606

Luminaire Tested: LD4D75BD010-EU4DR6570959050-4LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P753606
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-EU4DR6570959050-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6693.9 lumens
Efficiency: N/A
Efficacy: 92.5 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

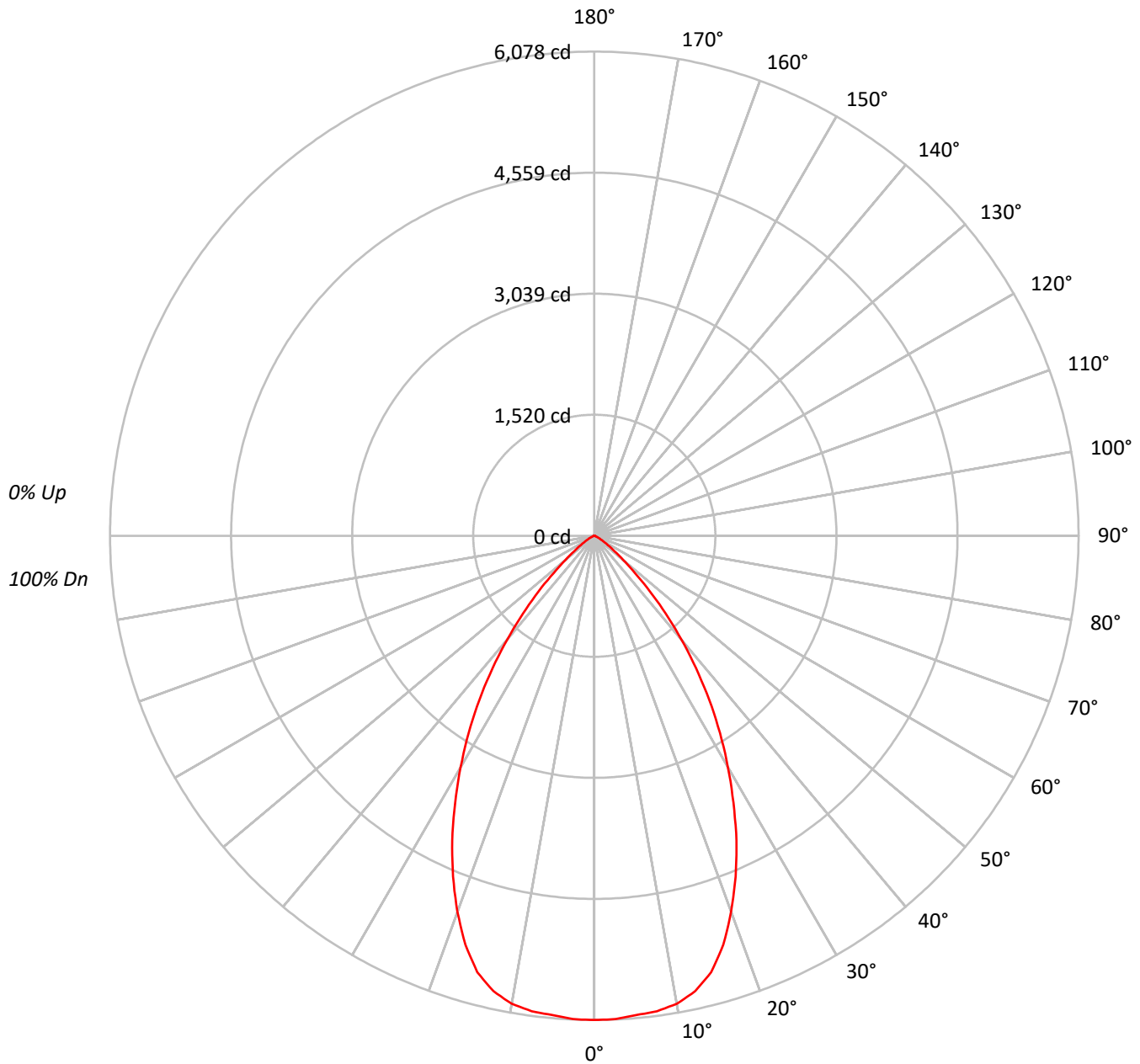


Downlight

TEST NUMBER: P753606

CATALOG NUMBER: LD4D75BD010-EU4DR6570959050-4LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P753606

CATALOG NUMBER: LD4D75BD010-EU4DR6570959050-4LBS1MW

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°	354973
5°	354078
10°	353777
15°	342868
20°	312140
25°	272008
30°	226238
35°	179257
40°	129381
45°	81737
50°	42604
55°	22646
60°	11891
65°	6537
70°	2749
75°	3024
80°	2119
85°	1809

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 81737 cd/sqm



TEST NUMBER: P753606

CATALOG NUMBER: LD4D75BD010-EU4DR6570959050-4LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	574.8	8.6
10°-20°	1574.0	23.5
20°-30°	1923.9	28.7
30°-40°	1561.0	23.3
40°-50°	777.9	11.6
50°-60°	217.0	3.2
60°-70°	49.3	0.7
70°-80°	12.8	0.2
80°-90°	3.3	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°	4072.6	60.8
0°-40°	5633.6	84.2
0°-60°	6628.5	99.0
0°-90°	6693.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6693.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6078	
5°	6040	575
15°	5671	1574
25°	4221	1924
35°	2514	1561
45°	990	778
55°	222	217
65°	47	49
75°	13	13
85°	3	3
90°	0	



TEST NUMBER: P753606

CATALOG NUMBER: LD4D75BD010-EU4DR6570959050-4LBS1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	6077.9
2.5°	6073.4
5°	6039.5
7.5°	6019.8
10°	5965.4
12.5°	5854.6
15°	5670.6
17.5°	5383.0
20°	5022.2
22.5°	4632.8
25°	4221.0
27.5°	3780.7
30°	3354.7
32.5°	2934.0
35°	2514.2
37.5°	2095.3
40°	1697.0
42.5°	1323.7
45°	989.6
47.5°	689.5
50°	468.9
52.5°	323.3
55°	222.4
57.5°	150.0
60°	101.8
62.5°	70.6
65°	47.3
67.5°	24.1
70°	16.1
72.5°	15.2
75°	13.4
77.5°	8.9
80°	6.3
82.5°	4.5
85°	2.7
87.5°	1.8
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)