

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: P753515

Luminaire Tested: LD4D75BD010-EU4DR6070959040-4LBS1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P753515
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-60)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR6070959040-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7607.6 lumens
Efficiency: N/A
Efficacy: 105.1 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

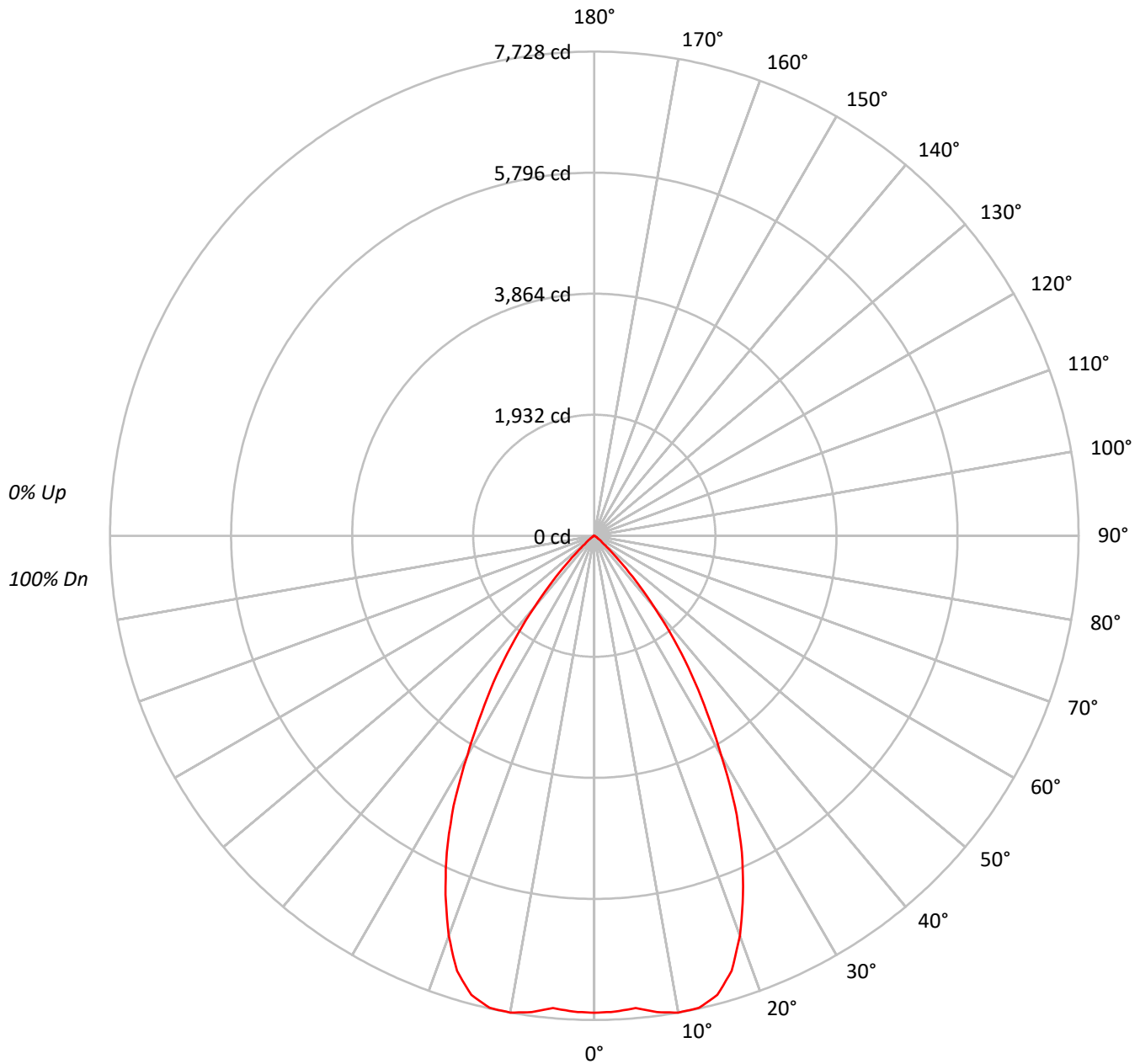


Downlight

TEST NUMBER: P753515

CATALOG NUMBER: LD4D75BD010-EU4DR6070959040-4LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P753515

CATALOG NUMBER: LD4D75BD010-EU4DR6070959040-4LBS1MW

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	111	108	106		111	109	106	104		105	103	101		101	99	98		97	96	95
2	108	103	99	96		106	101	98	95		98	95	92		95	93	90		92	90	89
3	102	96	91	87		100	95	90	86		92	88	85		90	86	84		87	85	82
4	97	90	84	80		95	88	83	79		86	82	78		84	81	78		82	79	77
5	92	84	78	74		91	83	77	73		81	76	73		79	75	72		78	74	71
6	87	79	73	68		86	78	72	68		76	71	68		75	70	67		74	70	67
7	83	74	68	63		82	73	67	63		72	67	63		71	66	63		69	65	62
8	79	69	63	59		78	69	63	59		68	63	59		67	62	59		66	61	58
9	75	65	59	55		74	65	59	55		64	59	55		63	58	55		62	58	55
10	72	62	56	52		71	61	56	52		61	55	52		60	55	52		59	55	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	831824
5°	829792
10°	857360
15°	858238
20°	789679
25°	671677
30°	511795
35°	361921
40°	212518
45°	85758
50°	28625
55°	13772
60°	5660
65°	827
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 85758 cd/sqm



TEST NUMBER: P753515

CATALOG NUMBER: LD4D75BD010-EU4DR6070959040-4LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	729.8	9.6
10°-20°	2102.0	27.6
20°-30°	2515.8	33.1
30°-40°	1682.7	22.1
40°-50°	498.9	6.6
50°-60°	71.7	0.9
60°-70°	6.8	0.1
70°-80°	0.0	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°	5347.6	70.3
0°-40°	7030.2	92.4
0°-60°	7600.8	99.9
0°-90°	7607.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7607.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7613	
5°	7566	730
15°	7587	2102
25°	5572	2516
35°	2713	1683
45°	555	499
55°	72	72
65°	3	7
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P753515

CATALOG NUMBER: LD4D75BD010-EU4DR6070959040-4LBS1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	7613.2
2.5°	7603.5
5°	7565.7
7.5°	7668.3
10°	7727.7
12.5°	7716.9
15°	7587.3
17.5°	7281.8
20°	6791.6
22.5°	6203.1
25°	5571.5
27.5°	4859.9
30°	4056.6
32.5°	3339.6
35°	2713.4
37.5°	2086.1
40°	1490.0
42.5°	982.6
45°	555.0
47.5°	284.0
50°	168.4
52.5°	109.1
55°	72.3
57.5°	46.4
60°	25.9
62.5°	10.8
65°	3.2
67.5°	1.1
70°	0.0
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)