

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: P753320

Luminaire Tested: LD4D75BD010-EU4DR5070959027-4LBS1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P753320
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR5070959027-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7218.5 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
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

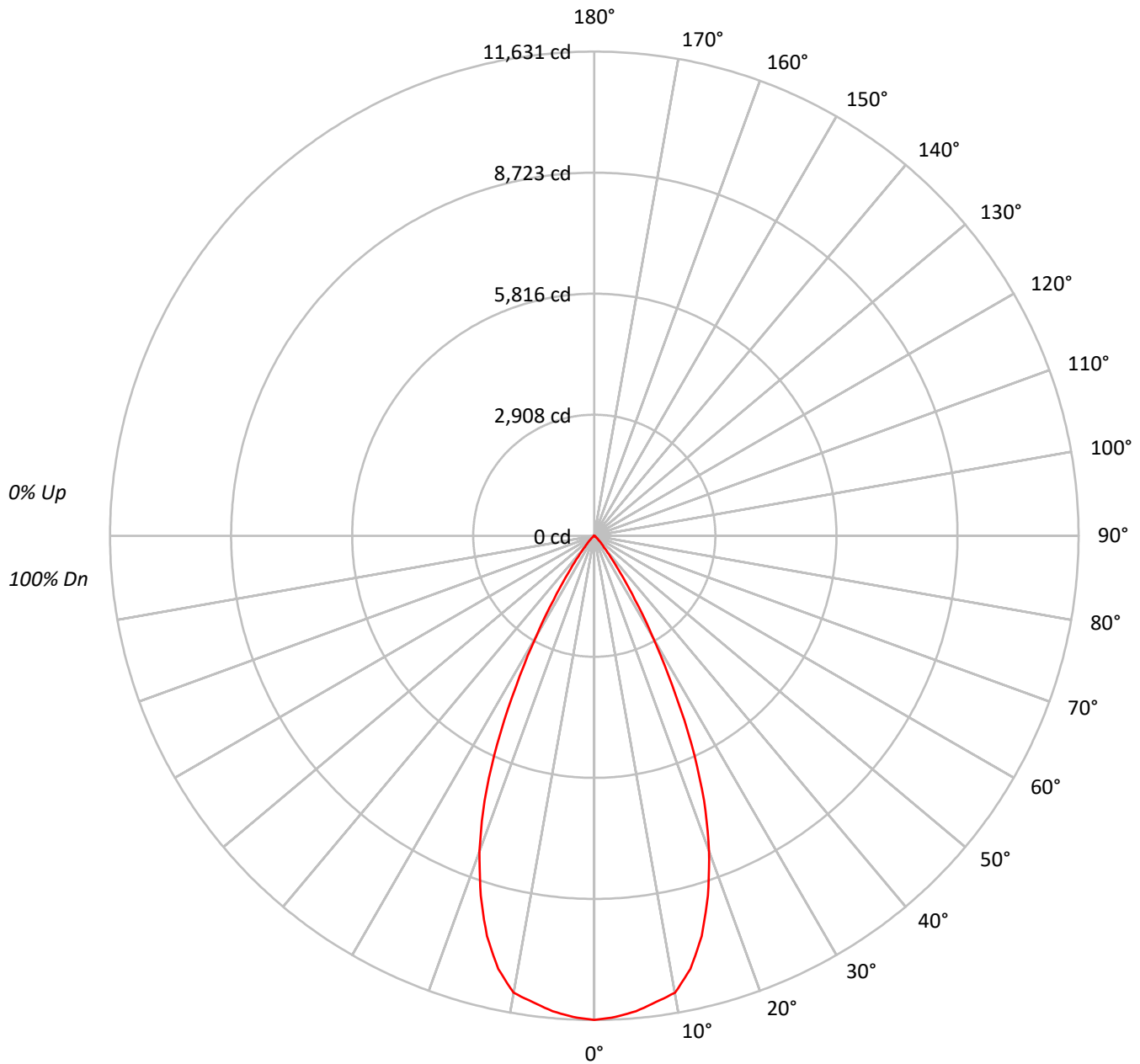


Downlight

TEST NUMBER: P753320

CATALOG NUMBER: LD4D75BD010-EU4DR5070959027-4LBS1MW

Luminous Intensity Polar Plot



TEST NUMBER: P753320

CATALOG NUMBER: LD4D75BD010-EU4DR5070959027-4LBS1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10		50	30	10			50	30	10			0
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			100
1	114	112	109	107	112	110	108	106		106	104	102			102	101	99			95
2	109	105	101	98	107	103	100	97		100	98	95			97	95	93			90
3	105	99	95	91	103	98	94	90		95	92	89			93	90	88			85
4	100	94	89	85	99	93	88	85		90	87	84			89	85	83			80
5	96	89	84	80	95	88	83	79		86	82	79			85	81	78			76
6	92	84	79	75	91	83	79	75		82	78	74			81	77	74			72
7	88	80	75	71	87	79	74	71		78	74	71			77	73	70			69
8	85	76	71	67	84	76	71	67		75	70	67			74	70	67			65
9	81	73	68	64	80	72	67	64		71	67	64			71	67	64			62
10	78	70	64	61	77	69	64	61		68	64	61			68	64	61			59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1270790
5°	1257471
10°	1236763
15°	1126174
20°	937101
25°	665203
30°	352097
35°	143480
40°	53286
45°	24398
50°	9995
55°	5238
60°	2579
65°	750
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24398 cd/sqm



TEST NUMBER: P753320

CATALOG NUMBER: LD4D75BD010-EU4DR5070959027-4LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1083.7	15.0
10°-20°	2738.7	37.9
20°-30°	2460.1	34.1
30°-40°	770.2	10.7
40°-50°	134.9	1.9
50°-60°	26.9	0.4
60°-70°	4.1	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°	6282.4	87.0
0°-40°	7052.7	97.7
0°-60°	7214.4	99.9
0°-90°	7218.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7218.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11631	
5°	11465	###
15°	9956	2739
25°	5518	2460
35°	1076	770
45°	158	135
55°	28	27
65°	3	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P753320

CATALOG NUMBER: LD4D75BD010-EU4DR5070959027-4LBS1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	11630.8
2.5°	11573.0
5°	11465.1
7.5°	11300.3
10°	11147.4
12.5°	10657.1
15°	9956.0
17.5°	9065.6
20°	8059.5
22.5°	6895.5
25°	5517.8
27.5°	4056.7
30°	2790.8
32.5°	1817.0
35°	1075.7
37.5°	617.8
40°	373.6
42.5°	243.2
45°	157.9
47.5°	96.1
50°	58.8
52.5°	40.2
55°	27.5
57.5°	18.6
60°	11.8
62.5°	6.9
65°	2.9
67.5°	1.0
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)