

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: P756427

Luminaire Tested: LD4D95BD010-EU4DR5070959024-4LBS1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756427
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: LD4D95BD010-EU4DR5070959024-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7825.1 lumens
Efficiency: N/A
Efficacy: 78.9 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): 99.2
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

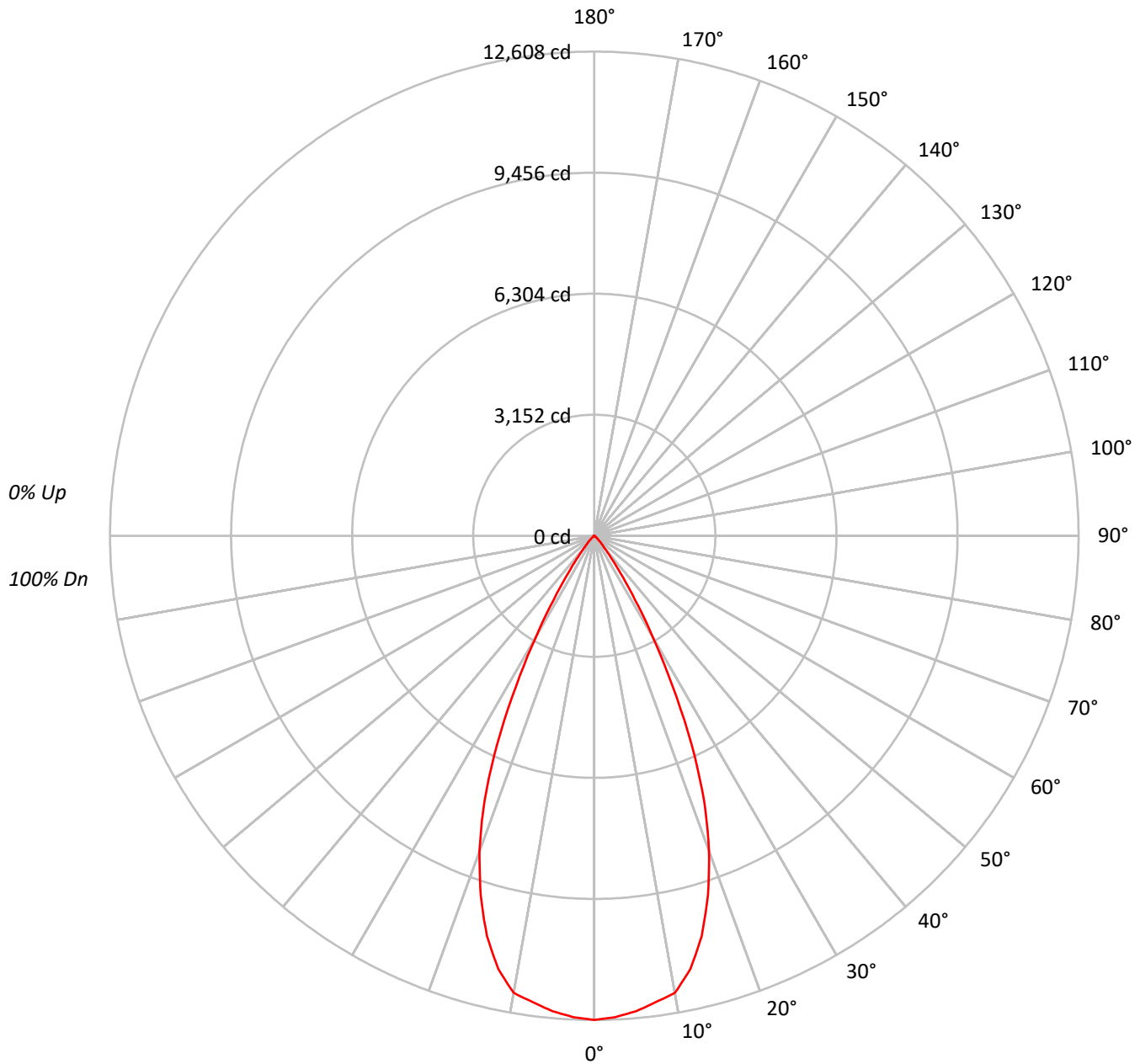


Downlight

TEST NUMBER: P756427

CATALOG NUMBER: LD4D95BD010-EU4DR5070959024-4LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P756427

CATALOG NUMBER: LD4D95BD010-EU4DR5070959024-4LBS1MW

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°	1377592
5°	1363145
10°	1340697
15°	1220817
20°	1015853
25°	721105
30°	381682
35°	155538
40°	57765
45°	26438
50°	10845
55°	5677
60°	2797
65°	827
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26438 cd/sqm



TEST NUMBER: P756427

CATALOG NUMBER: LD4D95BD010-EU4DR5070959024-4LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1174.7	15.0
10°-20°	2968.9	37.9
20°-30°	2666.8	34.1
30°-40°	835.0	10.7
40°-50°	146.2	1.9
50°-60°	29.2	0.4
60°-70°	4.4	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°	6810.4	87.0
0°-40°	7645.4	97.7
0°-60°	7820.7	99.9
0°-90°	7825.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7825.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12608	
5°	12429	###
15°	10793	2969
25°	5982	2667
35°	1166	835
45°	171	146
55°	30	29
65°	3	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P756427

CATALOG NUMBER: LD4D95BD010-EU4DR5070959024-4LBS1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	12608.3
2.5°	12545.6
5°	12428.6
7.5°	12250.0
10°	12084.2
12.5°	11552.7
15°	10792.7
17.5°	9827.5
20°	8736.8
22.5°	7475.0
25°	5981.5
27.5°	4397.6
30°	3025.3
32.5°	1969.7
35°	1166.1
37.5°	669.7
40°	405.0
42.5°	263.6
45°	171.1
47.5°	104.2
50°	63.8
52.5°	43.6
55°	29.8
57.5°	20.2
60°	12.8
62.5°	7.4
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)