

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: P756733

Luminaire Tested: LD4D95BD010-EU4DR7070959024-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756733
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR7070959024-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7614.6 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

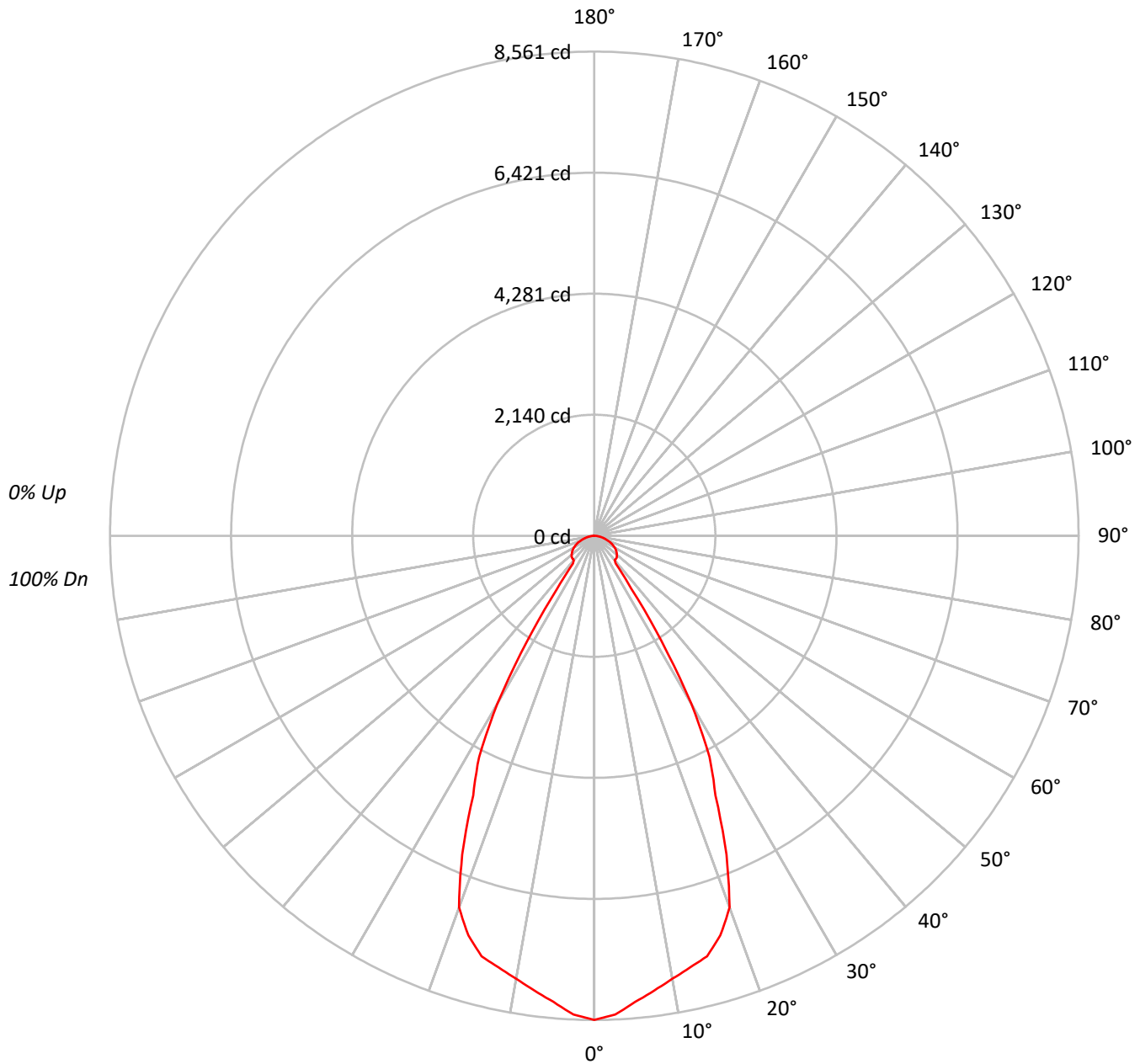


Downlight

TEST NUMBER: P756733

CATALOG NUMBER: LD4D95BD010-EU4DR7070959024-4LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P756733

CATALOG NUMBER: LD4D95BD010-EU4DR7070959024-4LBDP1H

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	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78
5	89	80	74	69	87	79	73	69	77	72	68		75	71	67		74
6	85	75	68	64	83	74	68	64	73	67	63		71	66	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	77	66	60	56	75	66	60	56	65	59	55		64	59	55		63
9	73	63	57	52	72	62	56	52	61	56	52		60	55	52		60
10	70	59	53	49	69	59	53	49	58	53	49		57	52	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	935392
5°	907597
10°	882300
15°	870714
20°	813073
25°	610821
30°	431794
35°	152950
40°	80429
45°	85665
50°	88712
55°	90369
60°	90927
65°	89013
70°	84017
75°	77802
80°	69087
85°	56037

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 90959 cd/sqm



TEST NUMBER: P756733

CATALOG NUMBER: LD4D95BD010-EU4DR7070959024-4LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	780.5	10.3
10°-20°	2140.9	28.1
20°-30°	2357.9	31.0
30°-40°	900.9	11.8
40°-50°	425.4	5.6
50°-60°	422.9	5.6
60°-70°	338.6	4.4
70°-80°	194.6	2.6
80°-90°	52.9	0.7
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°	5279.4	69.3
0°-40°	6180.3	81.2
0°-60°	7028.6	92.3
0°-90°	7614.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7614.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8561	
5°	8275	781
15°	7698	2141
25°	5067	2358
35°	1147	901
45°	554	425
55°	474	423
65°	344	339
75°	184	195
85°	45	53
90°	0	



TEST NUMBER: P756733

CATALOG NUMBER: LD4D95BD010-EU4DR7070959024-4LBDP1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	8561.1
2.5°	8471.6
5°	8275.1
7.5°	8111.0
10°	7952.5
12.5°	7818.3
15°	7697.6
17.5°	7406.2
20°	6992.8
22.5°	6100.9
25°	5066.7
27.5°	4410.7
30°	3422.5
32.5°	2210.7
35°	1146.7
37.5°	619.4
40°	563.9
42.5°	559.8
45°	554.4
47.5°	542.2
50°	521.9
52.5°	498.8
55°	474.4
57.5°	447.3
60°	416.1
62.5°	380.9
65°	344.3
67.5°	303.6
70°	263.0
72.5°	222.3
75°	184.3
77.5°	145.0
80°	109.8
82.5°	77.3
85°	44.7
87.5°	17.6
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)