

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: P753653

Luminaire Tested: LD4D75BD010-EU4DR7070959035-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753653
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: LD4D75BD010-EU4DR7070959035-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7678.5 lumens
Efficiency: N/A
Efficacy: 106.1 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): 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

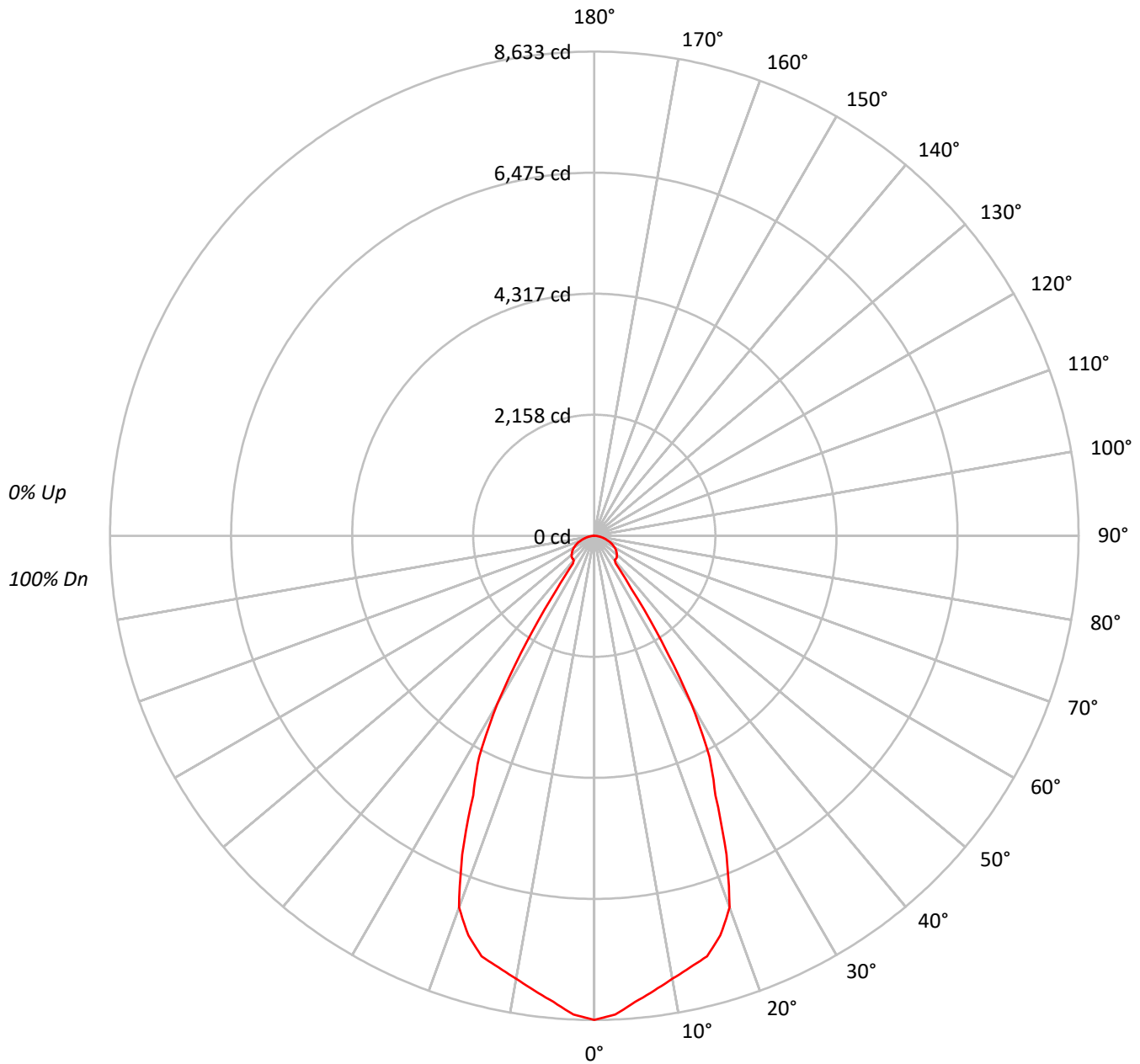


Downlight

TEST NUMBER: P753653

CATALOG NUMBER: LD4D75BD010-EU4DR7070959035-4LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P753653

CATALOG NUMBER: LD4D75BD010-EU4DR7070959035-4LBDP1LI

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	112	109	106	103		110	107	104	102		103	101	99		99	97	96		95	94	93
2	106	100	95	91		103	98	94	90		95	91	88		92	89	86		89	87	85
3	100	92	87	82		98	91	86	81		88	84	80		86	82	79		83	80	78
4	94	86	80	75		92	85	79	74		82	77	73		80	76	73		78	75	72
5	89	80	74	69		87	79	73	69		77	72	68		75	71	67		74	70	67
6	85	75	68	64		83	74	68	64		73	67	63		71	66	63		70	66	62
7	80	70	64	59		79	70	64	59		68	63	59		67	62	59		66	62	58
8	77	66	60	56		75	66	60	56		65	59	55		64	59	55		63	58	55
9	73	63	57	52		72	62	56	52		61	56	52		60	55	52		60	55	52
10	70	59	53	49		69	59	53	49		58	53	49		57	52	49		57	52	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	943226
5°	915198
10°	889689
15°	878010
20°	819886
25°	615932
30°	435415
35°	154230
40°	81099
45°	86376
50°	89443
55°	91131
60°	91692
65°	89763
70°	84720
75°	78478
80°	69653
85°	56539

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 91712 cd/sqm



TEST NUMBER: P753653

CATALOG NUMBER: LD4D75BD010-EU4DR7070959035-4LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	787.1	10.3
10°-20°	2158.9	28.1
20°-30°	2377.7	31.0
30°-40°	908.4	11.8
40°-50°	428.9	5.6
50°-60°	426.4	5.6
60°-70°	341.5	4.4
70°-80°	196.2	2.6
80°-90°	53.4	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°	5323.6	69.3
0°-40°	6232.0	81.2
0°-60°	7087.4	92.3
0°-90°	7678.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7678.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8633	
5°	8344	787
15°	7762	2159
25°	5109	2378
35°	1156	908
45°	559	429
55°	478	426
65°	347	341
75°	186	196
85°	45	53
90°	0	



TEST NUMBER: P753653

CATALOG NUMBER: LD4D75BD010-EU4DR7070959035-4LBDP1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	8632.8
2.5°	8542.6
5°	8344.4
7.5°	8179.0
10°	8019.1
12.5°	7883.8
15°	7762.1
17.5°	7468.3
20°	7051.4
22.5°	6152.0
25°	5109.1
27.5°	4447.6
30°	3451.2
32.5°	2229.3
35°	1156.3
37.5°	624.6
40°	568.6
42.5°	564.5
45°	559.0
47.5°	546.7
50°	526.2
52.5°	503.0
55°	478.4
57.5°	451.0
60°	419.6
62.5°	384.1
65°	347.2
67.5°	306.2
70°	265.2
72.5°	224.2
75°	185.9
77.5°	146.2
80°	110.7
82.5°	77.9
85°	45.1
87.5°	17.8
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)