

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: P753227

Luminaire Tested: LD4D75BD010-EU4DR4570959024-4LBS1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P753227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR4570959024-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6623.0 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
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

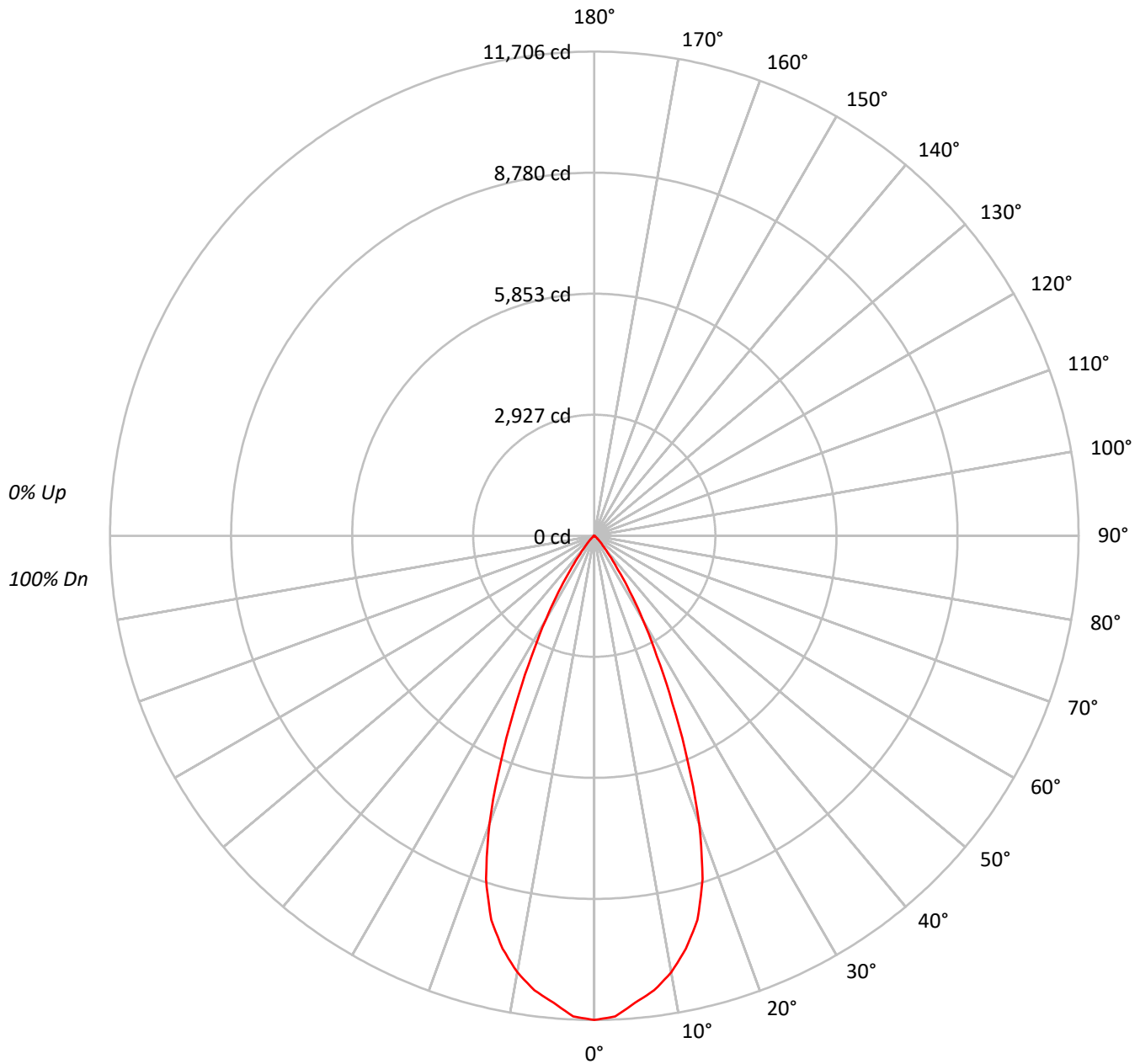


Downlight

TEST NUMBER: P753227

CATALOG NUMBER: LD4D75BD010-EU4DR4570959024-4LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P753227

CATALOG NUMBER: LD4D75BD010-EU4DR4570959024-4LBS1H

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1279039
5°	1242620
10°	1188856
15°	1088054
20°	863198
25°	538909
30°	297027
35°	133369
40°	52531
45°	24754
50°	11746
55°	6134
60°	3016
65°	724
70°	288
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24754 cd/sqm



TEST NUMBER: P753227

CATALOG NUMBER: LD4D75BD010-EU4DR4570959024-4LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1064.5	16.1
10°-20°	2620.0	39.6
20°-30°	2074.7	31.3
30°-40°	690.9	10.4
40°-50°	137.1	2.1
50°-60°	31.1	0.5
60°-70°	4.5	0.1
70°-80°	0.1	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°	5759.2	87.0
0°-40°	6450.1	97.4
0°-60°	6618.4	99.9
0°-90°	6623.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6623.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11706	
5°	11330	###
15°	9619	2620
25°	4470	2075
35°	1000	691
45°	160	137
55°	32	31
65°	3	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P753227

CATALOG NUMBER: LD4D75BD010-EU4DR4570959024-4LBS1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	11706.3
2.5°	11629.9
5°	11329.7
7.5°	11082.0
10°	10715.6
12.5°	10227.6
15°	9619.0
17.5°	8703.8
20°	7423.9
22.5°	5899.2
25°	4470.2
27.5°	3273.2
30°	2354.3
32.5°	1601.2
35°	999.9
37.5°	593.0
40°	368.3
42.5°	242.2
45°	160.2
47.5°	103.1
50°	69.1
52.5°	46.0
55°	32.2
57.5°	21.2
60°	13.8
62.5°	7.4
65°	2.8
67.5°	0.9
70°	0.9
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)