

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: P753279

Luminaire Tested: LD4D75BD010-EU4DR4570959040-4LBS1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P753279
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-EU4DR4570959040-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8175.6 lumens
Efficiency: N/A
Efficacy: 112.9 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

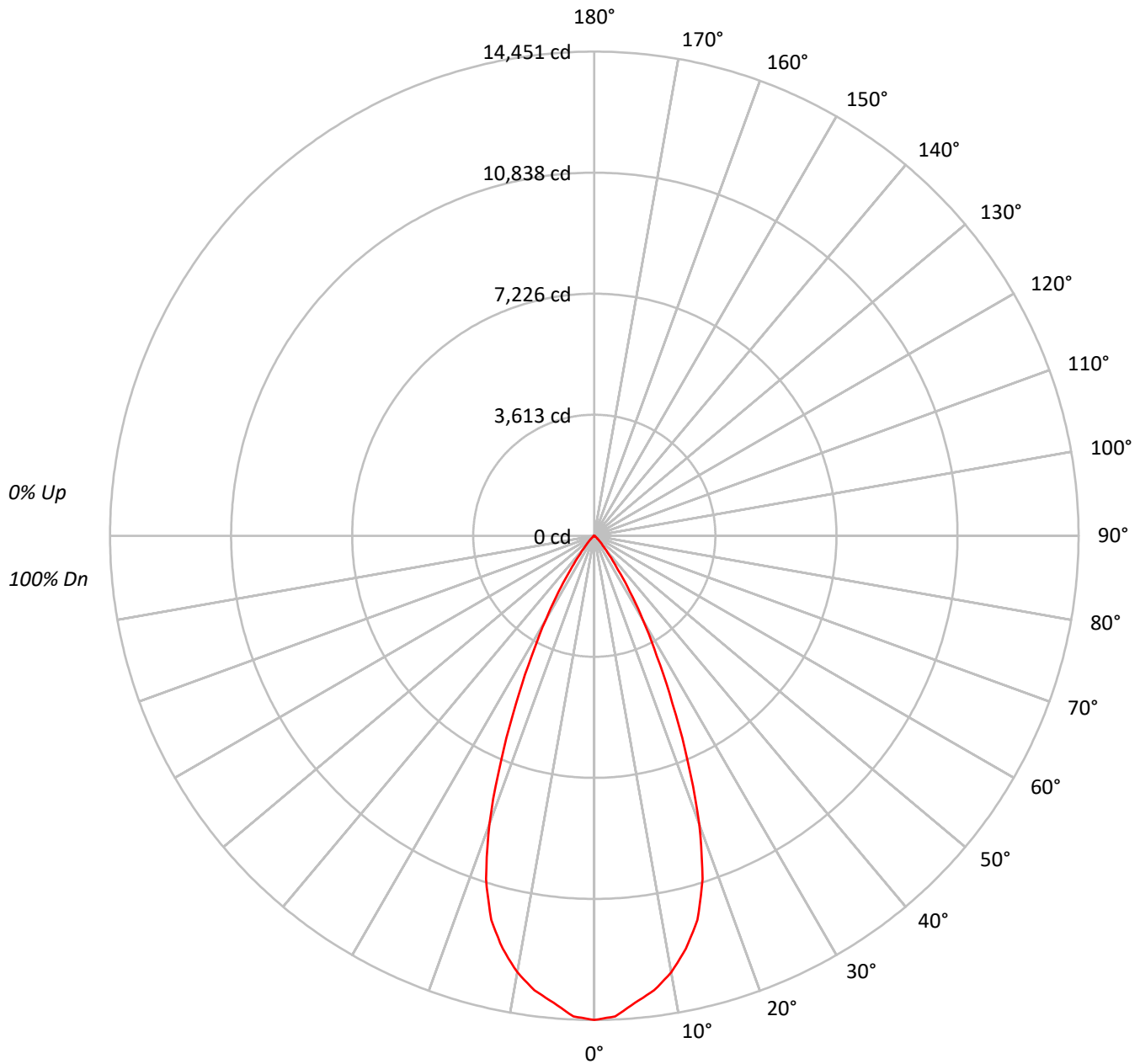


Downlight

TEST NUMBER: P753279

CATALOG NUMBER: LD4D75BD010-EU4DR4570959040-4LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P753279

CATALOG NUMBER: LD4D75BD010-EU4DR4570959040-4LBS1H

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	110	108	112	110	108	106		106	104	103			102	101	100			95
2	109	105	102	99	107	103	100	98		100	98	95			97	95	93			90
3	105	99	95	91	103	98	94	91		95	92	89			93	90	88			85
4	100	94	89	85	99	93	88	85		91	87	84			89	86	83			81
5	96	89	84	80	95	88	83	80		86	82	79			85	81	79			77
6	92	85	80	76	91	84	79	76		83	78	75			81	77	75			73
7	89	81	75	72	87	80	75	72		79	74	71			78	74	71			69
8	85	77	72	68	84	76	71	68		75	71	68			74	70	67			66
9	82	73	68	65	81	73	68	65		72	68	65			71	67	64			63
10	79	70	65	62	78	70	65	62		69	65	62			68	64	61			60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1578894
5°	1533936
10°	1467564
15°	1343128
20°	1065571
25°	665252
30°	366669
35°	164634
40°	64840
45°	30564
50°	14482
55°	7582
60°	3715
65°	879
70°	351
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30564 cd/sqm



TEST NUMBER: P753279

CATALOG NUMBER: LD4D75BD010-EU4DR4570959040-4LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1314.1	16.1
10°-20°	3234.2	39.6
20°-30°	2561.1	31.3
30°-40°	852.9	10.4
40°-50°	169.3	2.1
50°-60°	38.4	0.5
60°-70°	5.5	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°	7109.4	87.0
0°-40°	7962.3	97.4
0°-60°	8170.0	99.9
0°-90°	8175.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8175.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14451	
5°	13986	###
15°	11874	3234
25°	5518	2561
35°	1234	853
45°	198	169
55°	40	38
65°	3	6
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P753279

CATALOG NUMBER: LD4D75BD010-EU4DR4570959040-4LBS1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	14450.7
2.5°	14356.4
5°	13985.8
7.5°	13680.1
10°	13227.7
12.5°	12625.3
15°	11874.0
17.5°	10744.3
20°	9164.4
22.5°	7282.2
25°	5518.2
27.5°	4040.6
30°	2906.3
32.5°	1976.5
35°	1234.3
37.5°	732.0
40°	454.6
42.5°	298.9
45°	197.8
47.5°	127.3
50°	85.2
52.5°	56.8
55°	39.8
57.5°	26.1
60°	17.0
62.5°	9.1
65°	3.4
67.5°	1.1
70°	1.1
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)