

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: P753214

Luminaire Tested: LD4D75BD010-EU4DR4070959050-4LBS1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P753214
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR4070959050-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8392.6 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
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

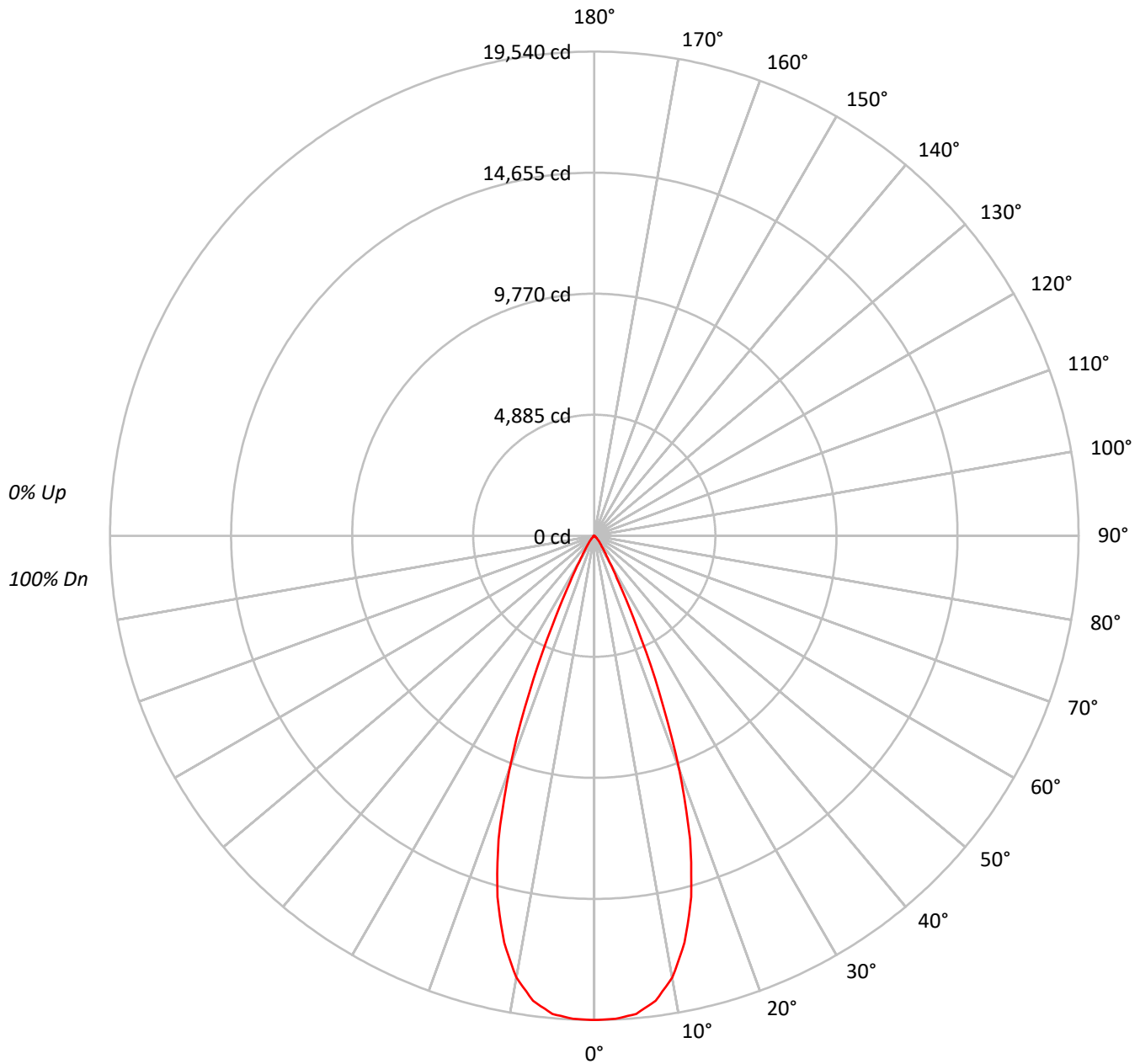


Downlight

TEST NUMBER: P753214

CATALOG NUMBER: LD4D75BD010-EU4DR4070959050-4LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P753214

CATALOG NUMBER: LD4D75BD010-EU4DR4070959050-4LBS1H

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96		
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92		
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88		
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84		
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81		
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77		
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74		
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72		
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69		
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2134999
5°	2124619
10°	2008227
15°	1707246
20°	1163612
25°	485503
30°	152658
35°	70946
40°	39237
45°	17986
50°	8737
55°	4781
60°	2491
65°	879
70°	351
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17986 cd/sqm



TEST NUMBER: P753214

CATALOG NUMBER: LD4D75BD010-EU4DR4070959050-4LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1808.8	21.6
10°-20°	4052.2	48.3
20°-30°	2028.4	24.2
30°-40°	371.8	4.4
40°-50°	102.6	1.2
50°-60°	24.1	0.3
60°-70°	4.6	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°	7889.4	94.0
0°-40°	8261.2	98.4
0°-60°	8387.9	99.9
0°-90°	8392.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8392.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19540	
5°	19371	###
15°	15093	4052
25°	4027	2028
35°	532	372
45°	116	103
55°	25	24
65°	3	5
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P753214

CATALOG NUMBER: LD4D75BD010-EU4DR4070959050-4LBS1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	19540.4
2.5°	19511.8
5°	19371.4
7.5°	18924.0
10°	18100.9
12.5°	16817.9
15°	15093.0
17.5°	12850.0
20°	10007.6
22.5°	6822.8
25°	4027.2
27.5°	2128.9
30°	1210.0
32.5°	781.9
35°	531.9
37.5°	380.1
40°	275.1
42.5°	188.3
45°	116.4
47.5°	74.2
50°	51.4
52.5°	36.5
55°	25.1
57.5°	16.0
60°	11.4
62.5°	6.8
65°	3.4
67.5°	2.3
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





— 0°-180°







(END OF REPORT)