

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: P753564

Luminaire Tested: LD4D75BD010-EU4DR6570959030-4LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P753564
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR6570959030-4LBS1B
Description: 4 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6139.5 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' 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

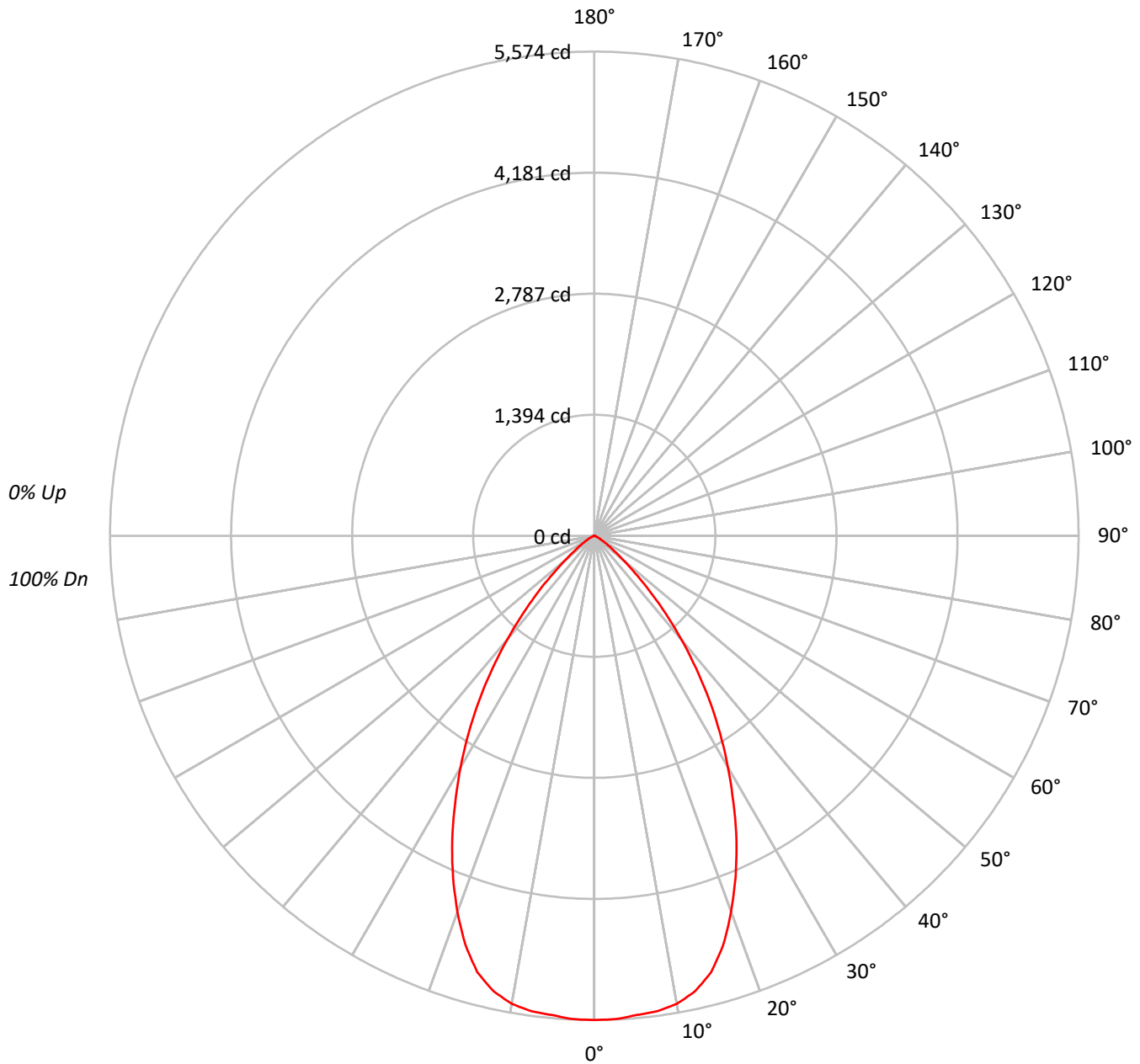


Downlight

TEST NUMBER: P753564

CATALOG NUMBER: LD4D75BD010-EU4DR6570959030-4LBS1B

Luminous Intensity Polar Plot





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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	113	110	107	105		111	108	105	103		104	102	100		100	99	97		97	95	94
2	107	102	97	94		105	100	96	92		97	93	90		94	91	88		91	89	87
3	101	94	88	84		99	92	87	83		90	86	82		87	84	81		85	82	80
4	95	87	81	76		93	86	80	76		84	79	75		82	77	74		80	76	73
5	90	81	74	70		88	80	74	69		78	73	69		76	72	68		75	71	68
6	85	75	69	64		83	74	68	64		73	67	63		71	67	63		70	66	62
7	80	70	64	59		79	69	63	59		68	63	59		67	62	58		66	61	58
8	76	66	59	55		75	65	59	55		64	58	54		63	58	54		62	57	54
9	72	61	55	51		71	61	55	51		60	54	51		59	54	50		58	54	50
10	68	58	52	47		67	57	51	47		57	51	47		56	51	47		55	50	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	325572
5°	324752
10°	324475
15°	314474
20°	286285
25°	249479
30°	207496
35°	164413
40°	118661
45°	74964
50°	39079
55°	20772
60°	10910
65°	5998
70°	2510
75°	2776
80°	1917
85°	1675

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 74964 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	527.2	8.6
10°-20°	1443.6	23.5
20°-30°	1764.6	28.7
30°-40°	1431.7	23.3
40°-50°	713.4	11.6
50°-60°	199.0	3.2
60°-70°	45.2	0.7
70°-80°	11.8	0.2
80°-90°	3.0	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°	3735.3	60.8
0°-40°	5167.1	84.2
0°-60°	6079.5	99.0
0°-90°	6139.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6139.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5574	
5°	5539	527
15°	5201	1444
25°	3871	1765
35°	2306	1432
45°	908	713
55°	204	199
65°	43	45
75°	12	12
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5574.5
2.5°	5570.4
5°	5539.3
7.5°	5521.3
10°	5471.3
12.5°	5369.7
15°	5201.0
17.5°	4937.2
20°	4606.2
22.5°	4249.1
25°	3871.4
27.5°	3467.6
30°	3076.8
32.5°	2691.0
35°	2306.0
37.5°	1921.8
40°	1556.4
42.5°	1214.0
45°	907.6
47.5°	632.4
50°	430.1
52.5°	296.5
55°	204.0
57.5°	137.6
60°	93.4
62.5°	64.7
65°	43.4
67.5°	22.1
70°	14.7
72.5°	13.9
75°	12.3
77.5°	8.2
80°	5.7
82.5°	4.1
85°	2.5
87.5°	1.6
90°	0.0



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— 0°-180°







(END OF REPORT)