

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: P753577

Luminaire Tested: LD4D75BD010-EU4DR6570959035-4LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P753577
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-EU4DR6570959035-4LBS1B
Description: 4 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6204.2 lumens
Efficiency: N/A
Efficacy: 85.7 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

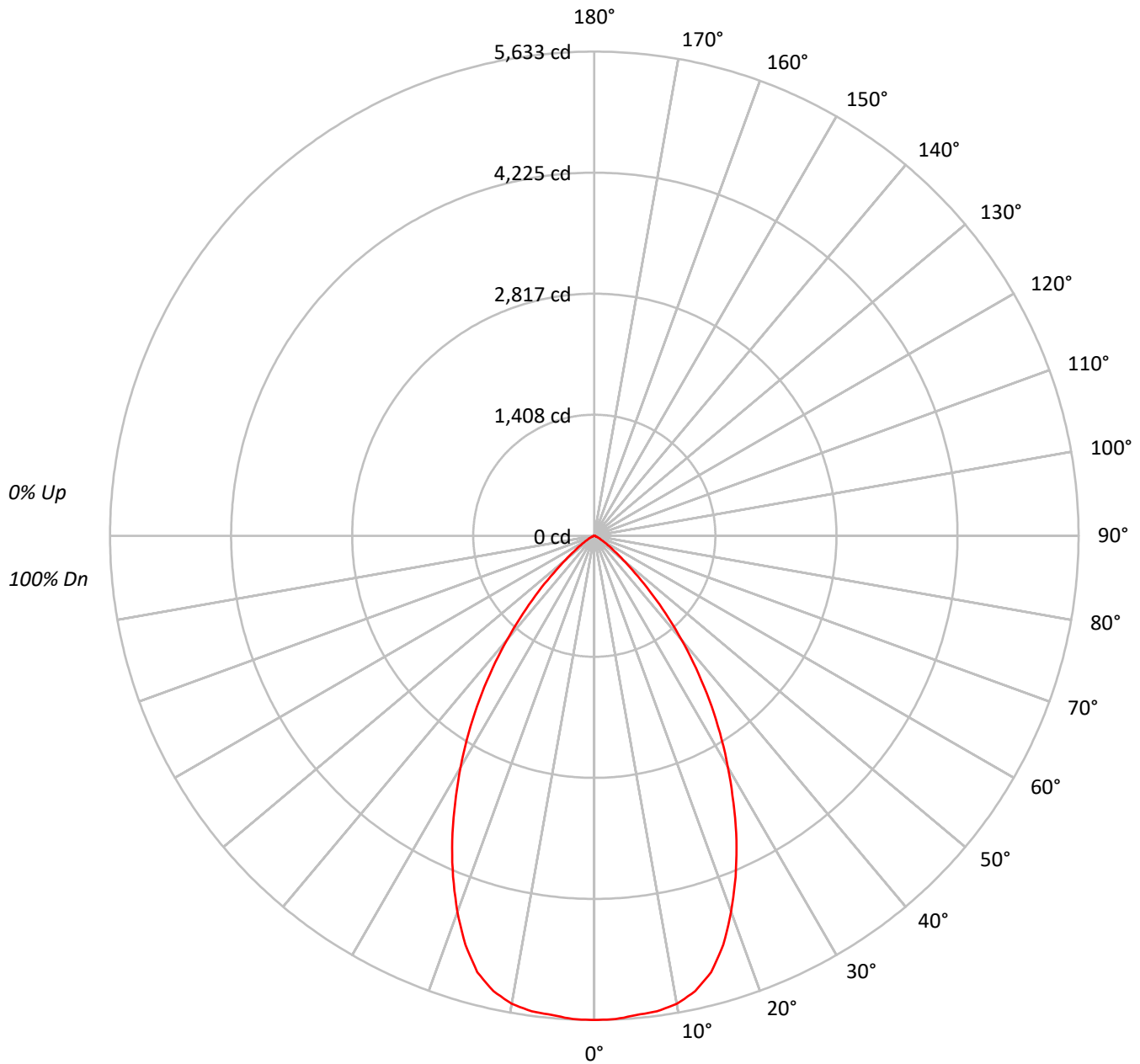


Downlight

TEST NUMBER: P753577

CATALOG NUMBER: LD4D75BD010-EU4DR6570959035-4LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P753577

CATALOG NUMBER: LD4D75BD010-EU4DR6570959035-4LBS1B

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	329001
5°	328170
10°	327891
15°	317781
20°	289299
25°	252108
30°	209681
35°	166146
40°	119912
45°	75757
50°	39488
55°	20986
60°	11027
65°	6067
70°	2544
75°	2798
80°	1951
85°	1675

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 75757 cd/sqm



TEST NUMBER: P753577

CATALOG NUMBER: LD4D75BD010-EU4DR6570959035-4LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	532.7	8.6
10°-20°	1458.8	23.5
20°-30°	1783.1	28.7
30°-40°	1446.8	23.3
40°-50°	721.0	11.6
50°-60°	201.1	3.2
60°-70°	45.7	0.7
70°-80°	11.9	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°	3774.7	60.8
0°-40°	5221.5	84.2
0°-60°	6143.5	99.0
0°-90°	6204.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6204.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5633	
5°	5598	533
15°	5256	1459
25°	3912	1783
35°	2330	1447
45°	917	721
55°	206	201
65°	44	46
75°	12	12
85°	2	3
90°	0	



TEST NUMBER: P753577

CATALOG NUMBER: LD4D75BD010-EU4DR6570959035-4LBS1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	5633.2
2.5°	5629.1
5°	5597.6
7.5°	5579.4
10°	5528.9
12.5°	5426.3
15°	5255.7
17.5°	4989.2
20°	4654.7
22.5°	4293.8
25°	3912.2
27.5°	3504.1
30°	3109.2
32.5°	2719.3
35°	2330.3
37.5°	1942.0
40°	1572.8
42.5°	1226.8
45°	917.2
47.5°	639.1
50°	434.6
52.5°	299.7
55°	206.1
57.5°	139.1
60°	94.4
62.5°	65.4
65°	43.9
67.5°	22.4
70°	14.9
72.5°	14.1
75°	12.4
77.5°	8.3
80°	5.8
82.5°	4.1
85°	2.5
87.5°	1.7
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)