

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: P753562

Luminaire Tested: LD4D75BD010-EU4DR6570959030-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753562
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR6570959030-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6596.0 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

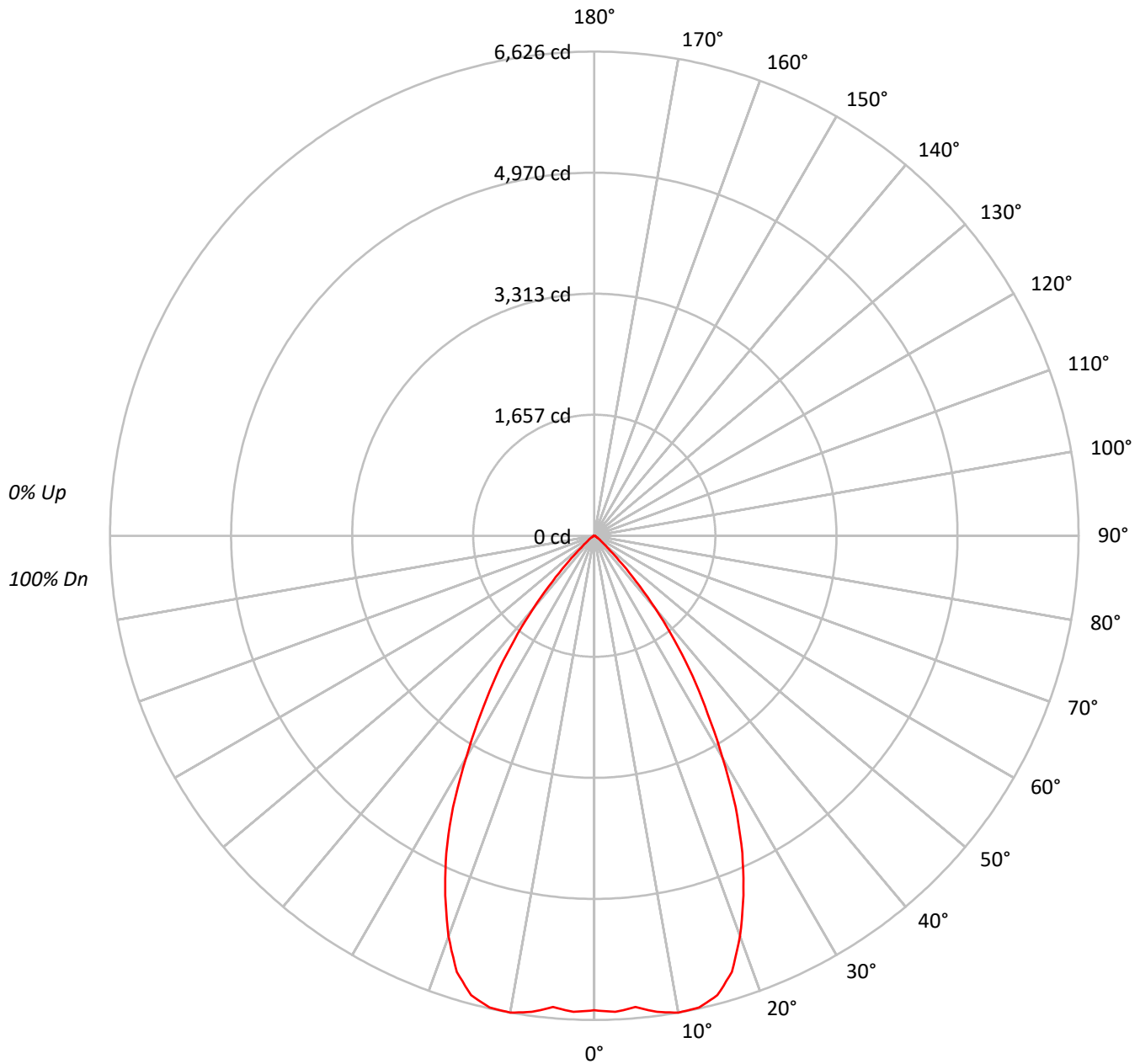


Downlight

TEST NUMBER: P753562

CATALOG NUMBER: LD4D75BD010-EU4DR6570959030-4LBDP1LI

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	709561
5°	710155
10°	735152
15°	736368
20°	677952
25°	577644
30°	442216
35°	312409
40°	184406
45°	74864
50°	27146
55°	15125
60°	8675
65°	4783
70°	5015
75°	3884
80°	4090
85°	3510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 74864 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	625.3	9.5
10°-20°	1803.8	27.3
20°-30°	2164.2	32.8
30°-40°	1454.4	22.1
40°-50°	435.4	6.6
50°-60°	76.8	1.2
60°-70°	21.8	0.3
70°-80°	10.7	0.2
80°-90°	3.4	0.1
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°	4593.4	69.6
0°-40°	6047.8	91.7
0°-60°	6560.1	99.5
0°-90°	6596.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6596.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6494	
5°	6475	625
15°	6510	1804
25°	4792	2164
35°	2342	1454
45°	484	435
55°	79	77
65°	18	22
75°	9	11
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6494.2
2.5°	6521.9
5°	6474.9
7.5°	6572.7
10°	6626.2
12.5°	6613.3
15°	6509.9
17.5°	6257.1
20°	5830.7
22.5°	5328.7
25°	4791.5
27.5°	4185.2
30°	3505.1
32.5°	2888.6
35°	2342.2
37.5°	1802.4
40°	1292.9
42.5°	844.4
45°	484.5
47.5°	256.6
50°	159.7
52.5°	110.7
55°	79.4
57.5°	57.2
60°	39.7
62.5°	25.8
65°	18.5
67.5°	16.6
70°	15.7
72.5°	12.0
75°	9.2
77.5°	8.3
80°	6.5
82.5°	4.6
85°	2.8
87.5°	1.8
90°	0.0



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— 0°-180°







(END OF REPORT)