

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: P753592

Luminaire Tested: LD4D75BD010-EU4DR6570959040-4LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P753592
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-EU4DR6570959040-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7344.4 lumens
Efficiency: N/A
Efficacy: 101.4 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

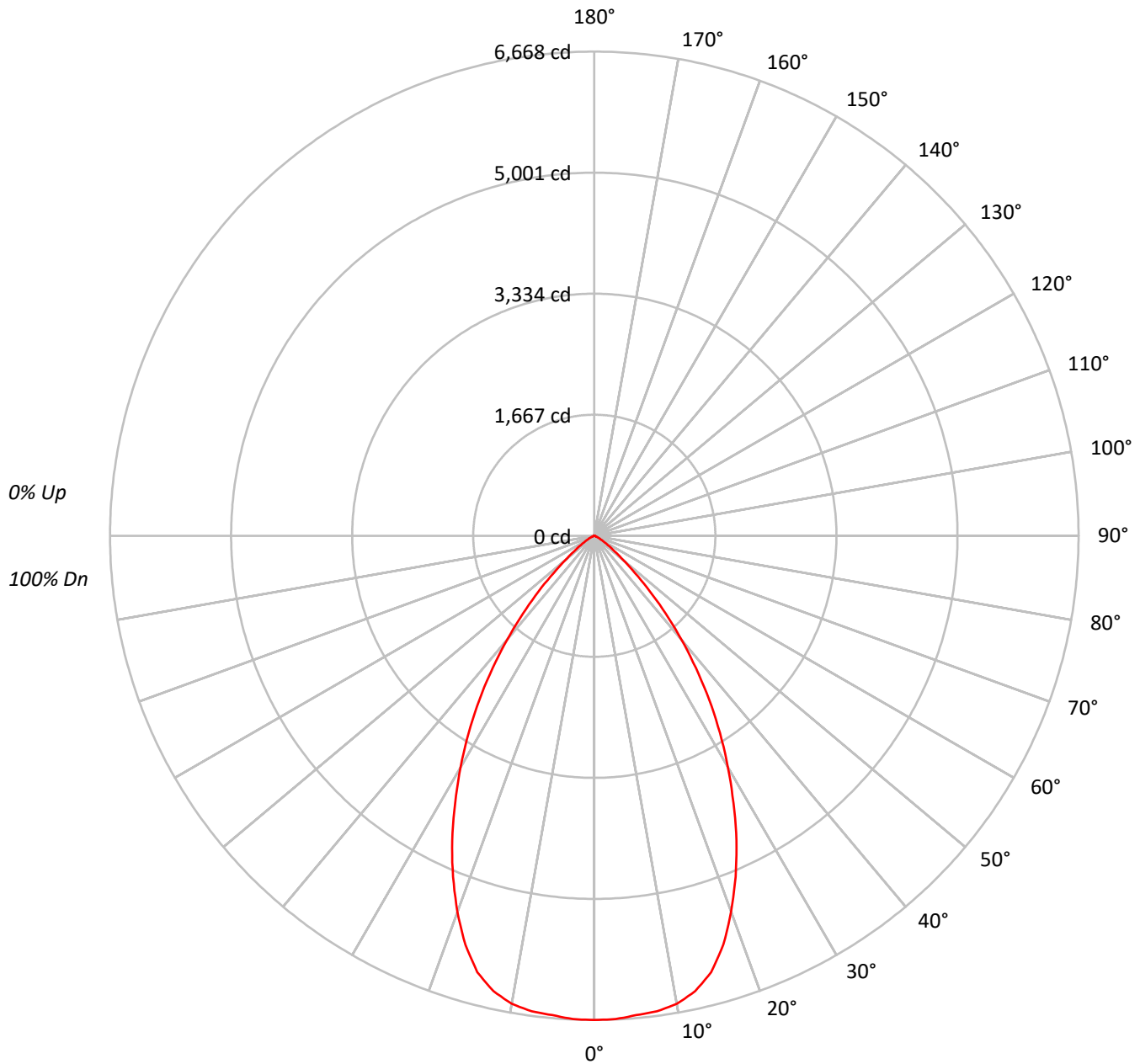


Downlight

TEST NUMBER: P753592

CATALOG NUMBER: LD4D75BD010-EU4DR6570959040-4LBS1LI

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	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°	389466
5°	388480
10°	388150
15°	376184
20°	342471
25°	298442
30°	248216
35°	196675
40°	141953
45°	89682
50°	46748
55°	24845
60°	13047
65°	7172
70°	3005
75°	3317
80°	2321
85°	1943

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 89682 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	630.6	8.6
10°-20°	1726.9	23.5
20°-30°	2110.9	28.7
30°-40°	1712.7	23.3
40°-50°	853.5	11.6
50°-60°	238.0	3.2
60°-70°	54.1	0.7
70°-80°	14.1	0.2
80°-90°	3.6	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°	4468.4	60.8
0°-40°	6181.1	84.2
0°-60°	7272.6	99.0
0°-90°	7344.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7344.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6668	
5°	6626	631
15°	6222	1727
25°	4631	2111
35°	2758	1713
45°	1086	853
55°	244	238
65°	52	54
75°	15	14
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6668.5
2.5°	6663.6
5°	6626.3
7.5°	6604.8
10°	6545.0
12.5°	6423.5
15°	6221.6
17.5°	5906.1
20°	5510.2
22.5°	5082.9
25°	4631.2
27.5°	4148.1
30°	3680.6
32.5°	3219.1
35°	2758.5
37.5°	2298.9
40°	1861.9
42.5°	1452.3
45°	1085.8
47.5°	756.5
50°	514.5
52.5°	354.7
55°	244.0
57.5°	164.6
60°	111.7
62.5°	77.4
65°	51.9
67.5°	26.5
70°	17.6
72.5°	16.7
75°	14.7
77.5°	9.8
80°	6.9
82.5°	4.9
85°	2.9
87.5°	2.0
90°	0.0



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— 0°-180°







(END OF REPORT)