

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: P752795

Luminaire Tested: LD4D70BD010-EU4DR6570959035-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752795
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: LD4D70BD010-EU4DR6570959035-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6306.4 lumens
Efficiency: N/A
Efficacy: 94.7 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): 66.6
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

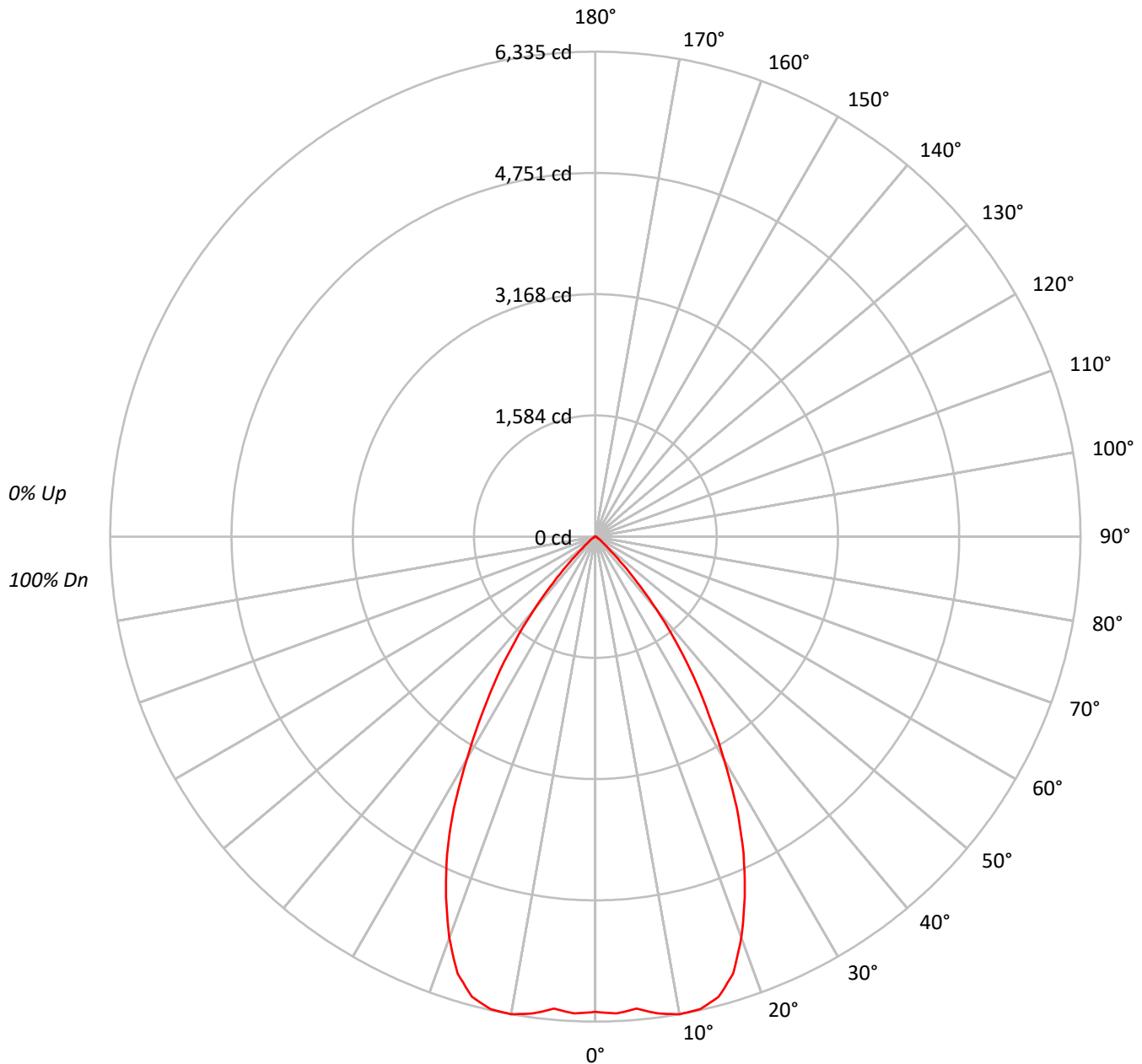


Downlight

TEST NUMBER: P752795

CATALOG NUMBER: LD4D70BD010-EU4DR6570959035-4LBDP1LI

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°	678411
5°	678973
10°	702878
15°	704039
20°	648186
25°	552291
30°	422799
35°	298697
40°	176319
45°	71573
50°	25939
55°	14458
60°	8282
65°	4550
70°	4792
75°	3715
80°	3901
85°	3259

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 71573 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	597.9	9.5
10°-20°	1724.6	27.3
20°-30°	2069.2	32.8
30°-40°	1390.6	22.1
40°-50°	416.3	6.6
50°-60°	73.5	1.2
60°-70°	20.9	0.3
70°-80°	10.2	0.2
80°-90°	3.2	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°	4391.8	69.6
0°-40°	5782.3	91.7
0°-60°	6272.1	99.5
0°-90°	6306.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6306.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6209	
5°	6191	598
15°	6224	1725
25°	4581	2069
35°	2239	1391
45°	463	416
55°	76	73
65°	18	21
75°	9	10
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6209.1
2.5°	6235.6
5°	6190.6
7.5°	6284.1
10°	6335.3
12.5°	6323.0
15°	6224.1
17.5°	5982.4
20°	5574.7
22.5°	5094.7
25°	4581.2
27.5°	4001.5
30°	3351.2
32.5°	2761.8
35°	2239.4
37.5°	1723.2
40°	1236.2
42.5°	807.4
45°	463.2
47.5°	245.3
50°	152.6
52.5°	105.9
55°	75.9
57.5°	54.7
60°	37.9
62.5°	24.7
65°	17.6
67.5°	15.9
70°	15.0
72.5°	11.5
75°	8.8
77.5°	7.9
80°	6.2
82.5°	4.4
85°	2.6
87.5°	1.8
90°	0.0



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— 0°-180°







(END OF REPORT)