

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: P752743

Luminaire Tested: LD4D70BD010-EU4DR6070959050-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752743
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D70BD010-EU4DR6070959050-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7609.0 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (A_{in}): 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

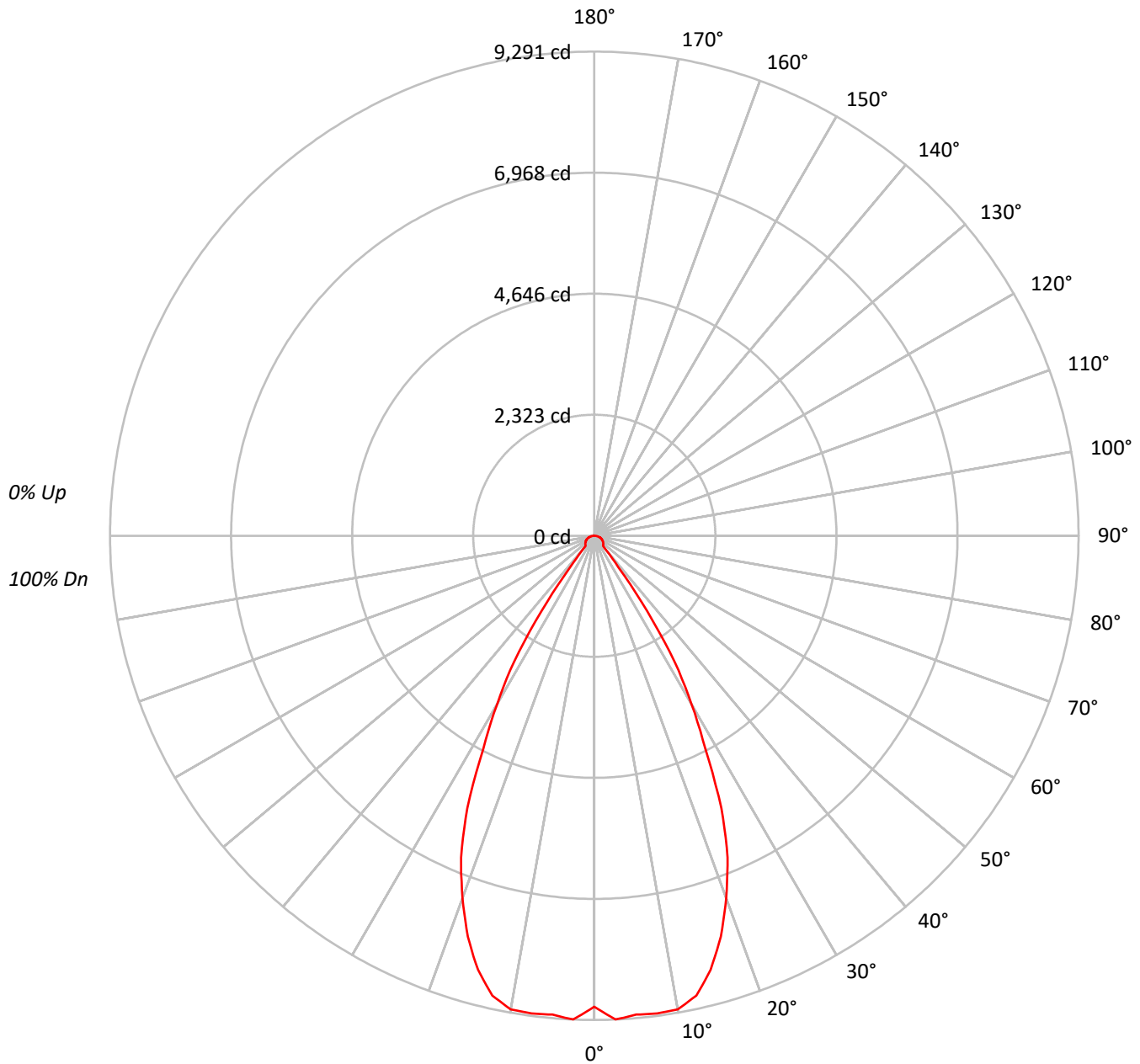


Downlight

TEST NUMBER: P752743

CATALOG NUMBER: LD4D70BD010-EU4DR6070959050-4LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P752743

CATALOG NUMBER: LD4D70BD010-EU4DR6070959050-4LBDP1LI

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	108	105		111	108	106	104		104	102	100		100	99	97		97	96	95
2	107	102	98	95		105	101	97	94		97	94	92		94	92	90		92	90	88
3	102	96	90	86		100	94	89	86		91	88	84		89	86	83		87	84	82
4	97	89	84	80		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	84	78	74		91	83	78	74		81	77	73		80	76	72		78	75	72
6	88	79	73	69		87	78	73	69		77	72	68		75	71	68		74	70	67
7	84	75	69	65		83	74	68	64		73	68	64		72	67	64		71	67	63
8	80	71	65	61		79	70	65	61		69	64	60		68	64	60		67	63	60
9	77	67	61	57		75	67	61	57		66	61	57		65	60	57		64	60	57
10	73	64	58	54		72	63	58	54		62	58	54		62	57	54		61	57	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	987346
5°	1011616
10°	1023834
15°	975346
20°	859954
25°	695559
30°	470489
35°	235767
40°	38239
45°	37440
50°	38177
55°	38765
60°	39836
65°	40745
70°	41689
75°	42215
80°	40710
85°	33848

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 42215 cd/sqm



TEST NUMBER: P752743

CATALOG NUMBER: LD4D70BD010-EU4DR6070959050-4LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	881.5	11.6
10°-20°	2385.1	31.3
20°-30°	2566.1	33.7
30°-40°	1115.5	14.7
40°-50°	187.3	2.5
50°-60°	182.2	2.4
60°-70°	155.8	2.0
70°-80°	104.3	1.4
80°-90°	31.2	0.4
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°	5832.7	76.7
0°-40°	6948.2	91.3
0°-60°	7317.7	96.2
0°-90°	7609.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7609.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9037	
5°	9224	882
15°	8623	2385
25°	5770	2566
35°	1768	1115
45°	242	187
55°	204	182
65°	158	156
75°	100	104
85°	27	31
90°	0	



TEST NUMBER: P752743

CATALOG NUMBER: LD4D70BD010-EU4DR6070959050-4LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	9036.6
2.5°	9290.6
5°	9223.5
7.5°	9244.7
10°	9228.2
12.5°	9037.7
15°	8622.6
17.5°	8065.2
20°	7396.0
22.5°	6679.8
25°	5769.6
27.5°	4614.7
30°	3729.2
32.5°	2874.2
35°	1767.6
37.5°	756.2
40°	268.1
42.5°	247.0
45°	242.3
47.5°	234.0
50°	224.6
52.5°	214.0
55°	203.5
57.5°	192.9
60°	182.3
62.5°	170.5
65°	157.6
67.5°	144.7
70°	130.5
72.5°	115.3
75°	100.0
77.5°	82.3
80°	64.7
82.5°	45.9
85°	27.0
87.5°	9.4
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)