

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: P752677

Luminaire Tested: LD4D70BD010-EU4DR6070959024-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752677
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-EU4DR6070959024-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5828.7 lumens
Efficiency: N/A
Efficacy: 87.5 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 (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

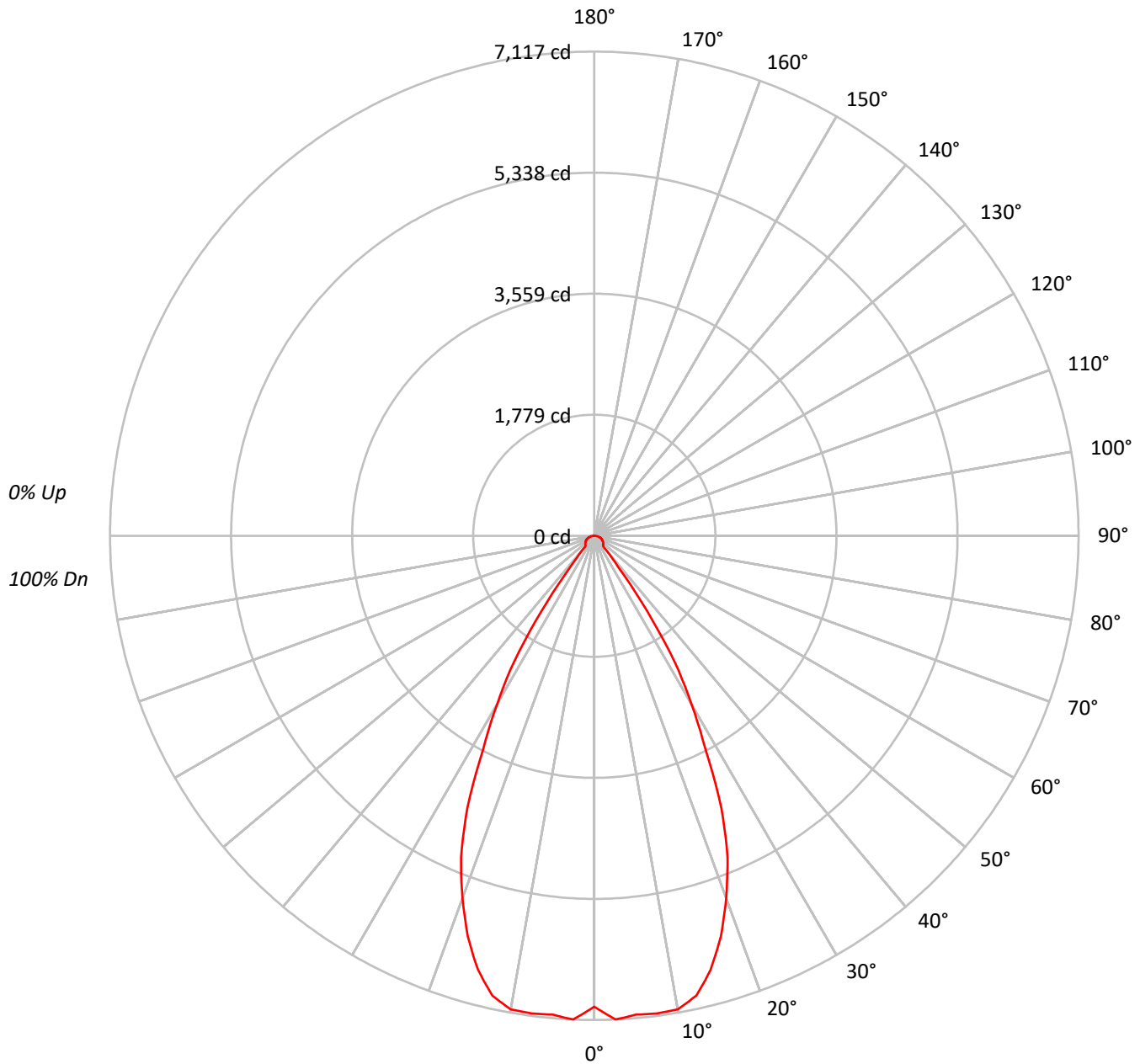


Downlight

TEST NUMBER: P752677

CATALOG NUMBER: LD4D70BD010-EU4DR6070959024-4LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P752677

CATALOG NUMBER: LD4D70BD010-EU4DR6070959024-4LBDP1H

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°	756336
5°	774942
10°	784301
15°	747148
20°	658756
25°	532821
30°	360411
35°	180600
40°	29296
45°	28679
50°	29253
55°	29697
60°	30506
65°	31205
70°	31946
75°	32337
80°	31146
85°	25950

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 32337 cd/sqm



TEST NUMBER: P752677

CATALOG NUMBER: LD4D70BD010-EU4DR6070959024-4LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	675.3	11.6
10°-20°	1827.0	31.3
20°-30°	1965.7	33.7
30°-40°	854.5	14.7
40°-50°	143.5	2.5
50°-60°	139.6	2.4
60°-70°	119.3	2.0
70°-80°	79.9	1.4
80°-90°	23.9	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°	4468.1	76.7
0°-40°	5322.5	91.3
0°-60°	5605.6	96.2
0°-90°	5828.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5828.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6922	
5°	7066	675
15°	6605	1827
25°	4420	1966
35°	1354	854
45°	186	144
55°	156	140
65°	121	119
75°	77	80
85°	21	24
90°	0	



TEST NUMBER: P752677

CATALOG NUMBER: LD4D70BD010-EU4DR6070959024-4LBDP1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	6922.3
2.5°	7116.9
5°	7065.6
7.5°	7081.8
10°	7069.2
12.5°	6923.2
15°	6605.2
17.5°	6178.2
20°	5665.6
22.5°	5117.0
25°	4419.7
27.5°	3535.0
30°	2856.7
32.5°	2201.7
35°	1354.0
37.5°	579.3
40°	205.4
42.5°	189.2
45°	185.6
47.5°	179.3
50°	172.1
52.5°	164.0
55°	155.9
57.5°	147.7
60°	139.6
62.5°	130.6
65°	120.7
67.5°	110.8
70°	100.0
72.5°	88.3
75°	76.6
77.5°	63.1
80°	49.5
82.5°	35.1
85°	20.7
87.5°	7.2
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)