

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: P752859

Luminaire Tested: LD4D70BD010-EU4DR7070959030-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752859
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D70BD010-EU4DR7070959030-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6846.8 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

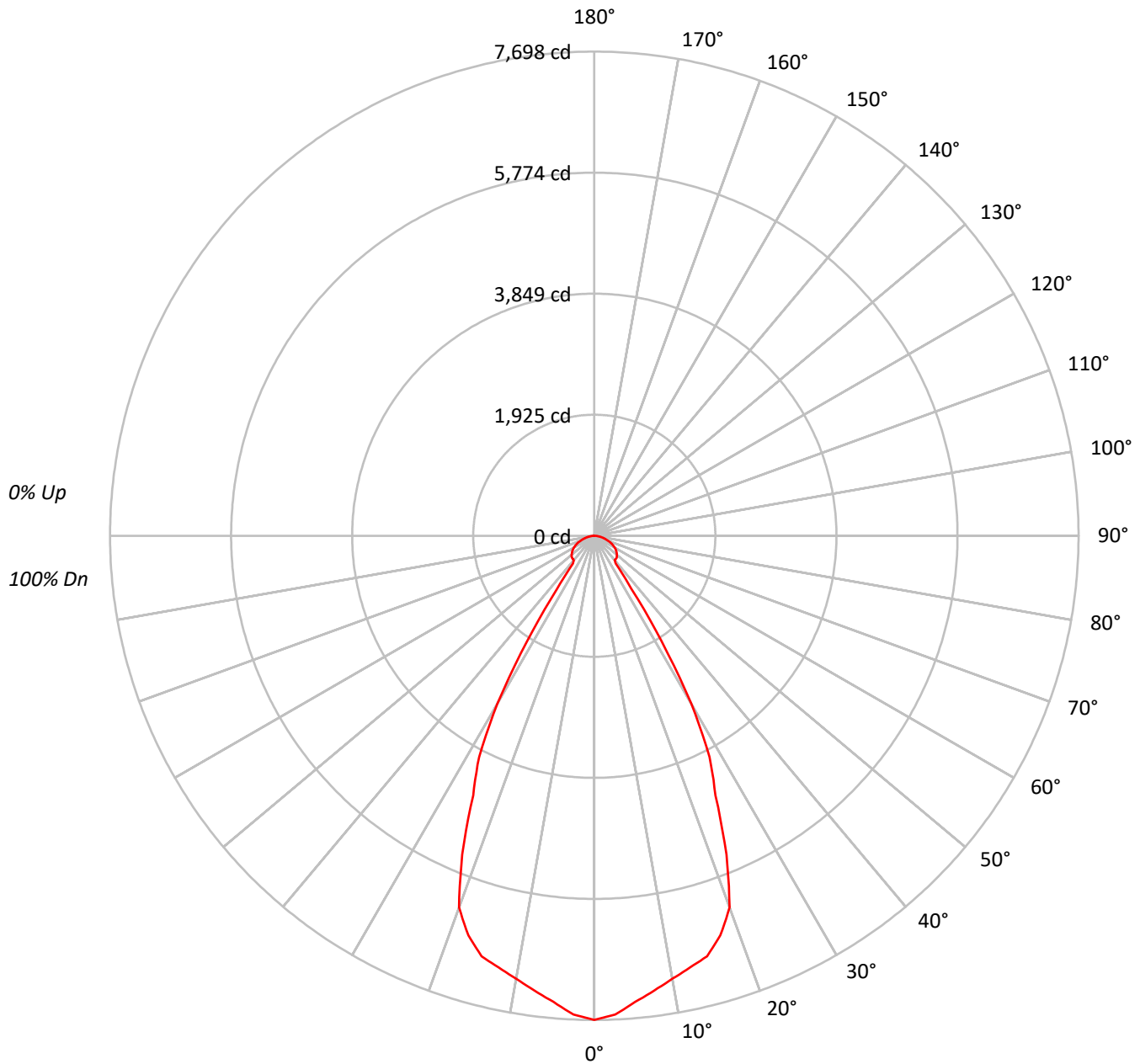


Downlight

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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	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78
5	89	80	74	69	87	79	73	69	77	72	68		75	71	67		74
6	85	75	68	64	83	74	68	64	73	67	63		71	66	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	77	66	60	56	75	66	60	56	65	59	55		64	59	55		63
9	73	63	57	52	72	62	56	52	61	56	52		60	55	52		60
10	70	59	53	49	69	59	53	49	58	53	49		57	52	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	841067
5°	816071
10°	793321
15°	782915
20°	731077
25°	549229
30°	388255
35°	137531
40°	72313
45°	77027
50°	79754
55°	81263
60°	81771
65°	80042
70°	75520
75°	69993
80°	62103
85°	50396

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 81788 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	701.8	10.3
10°-20°	1925.0	28.1
20°-30°	2120.2	31.0
30°-40°	810.1	11.8
40°-50°	382.5	5.6
50°-60°	380.3	5.6
60°-70°	304.5	4.4
70°-80°	175.0	2.6
80°-90°	47.6	0.7
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°	4747.0	69.3
0°-40°	5557.1	81.2
0°-60°	6319.8	92.3
0°-90°	6846.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6846.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7698	
5°	7441	702
15°	6921	1925
25°	4556	2120
35°	1031	810
45°	498	382
55°	427	380
65°	310	304
75°	166	175
85°	40	48
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7697.8
2.5°	7617.3
5°	7440.6
7.5°	7293.1
10°	7150.5
12.5°	7029.9
15°	6921.4
17.5°	6659.4
20°	6287.6
22.5°	5485.7
25°	4555.8
27.5°	3965.9
30°	3077.4
32.5°	1987.8
35°	1031.1
37.5°	557.0
40°	507.0
42.5°	503.4
45°	498.5
47.5°	487.5
50°	469.2
52.5°	448.5
55°	426.6
57.5°	402.2
60°	374.2
62.5°	342.5
65°	309.6
67.5°	273.0
70°	236.4
72.5°	199.9
75°	165.8
77.5°	130.4
80°	98.7
82.5°	69.5
85°	40.2
87.5°	15.8
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report







(END OF REPORT)