

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: P770915

Luminaire Tested: LD6D70BD010-EU6DR7070959027-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770915
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D70BD010-EU6DR7070959027-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8741.2 lumens
Efficiency: N/A
Efficacy: 131.2 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04
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

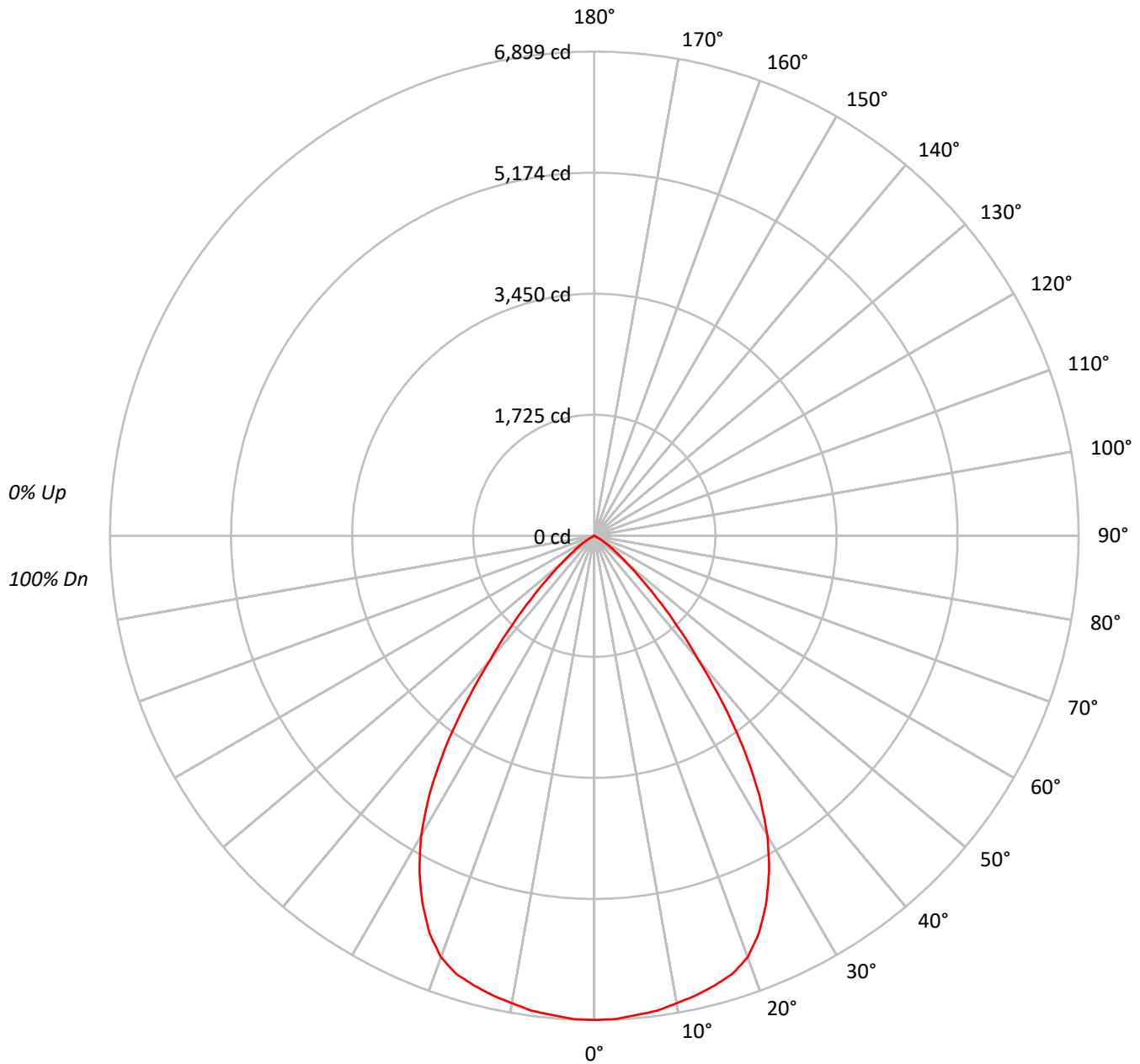


Downlight

TEST NUMBER: P770915

CATALOG NUMBER: LD6D70BD010-EU6DR7070959027-6LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P770915

CATALOG NUMBER: LD6D70BD010-EU6DR7070959027-6LBS1LI

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	106	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	85	82		87	84	81		85
4	95	87	81	76	93	86	80	76	83	78	75		81	77	74		79
5	89	80	74	69	88	79	73	69	78	72	68		76	71	68		74
6	84	75	68	63	83	74	68	63	72	67	63		71	66	62		69
7	80	69	63	58	78	69	62	58	67	62	58		66	61	57		65
8	75	65	58	54	74	64	58	54	63	57	53		62	57	53		61
9	71	61	54	50	70	60	54	50	59	53	50		58	53	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	753823
5°	751942
10°	750307
15°	750100
20°	742763
25°	697741
30°	622036
35°	495944
40°	329318
45°	196887
50°	102073
55°	53642
60°	18968
65°	310
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 196887 cd/sqm



TEST NUMBER: P770915

CATALOG NUMBER: LD6D70BD010-EU6DR7070959027-6LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	652.0	7.5
10°-20°	1869.9	21.4
20°-30°	2637.9	30.2
30°-40°	2277.2	26.1
40°-50°	1019.8	11.7
50°-60°	267.0	3.1
60°-70°	17.4	0.2
70°-80°	0.0	0.0
80°-90°	0.0	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°	5159.8	59.0
0°-40°	7437.0	85.1
0°-60°	8723.8	99.8
0°-90°	8741.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8741.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6899	
5°	6856	652
15°	6631	1870
25°	5788	2638
35°	3718	2277
45°	1274	1020
55°	282	267
65°	1	17
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P770915

CATALOG NUMBER: LD6D70BD010-EU6DR7070959027-6LBS1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	6899.3
2.5°	6891.8
5°	6855.9
7.5°	6826.1
10°	6762.8
12.5°	6705.7
15°	6631.3
17.5°	6545.7
20°	6388.1
22.5°	6128.8
25°	5787.7
27.5°	5391.9
30°	4930.4
32.5°	4365.9
35°	3718.2
37.5°	3003.6
40°	2308.9
42.5°	1754.3
45°	1274.2
47.5°	878.4
50°	600.5
52.5°	414.4
55°	281.6
57.5°	170.0
60°	86.8
62.5°	27.3
65°	1.2
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9

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

Scaled Data Report





— 0°-180°







(END OF REPORT)