

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: P770708

Luminaire Tested: LD6D70BD010-EU6DR5570959035-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770708
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D70BD010-EU6DR5570959035-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 55° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8342.1 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.87
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

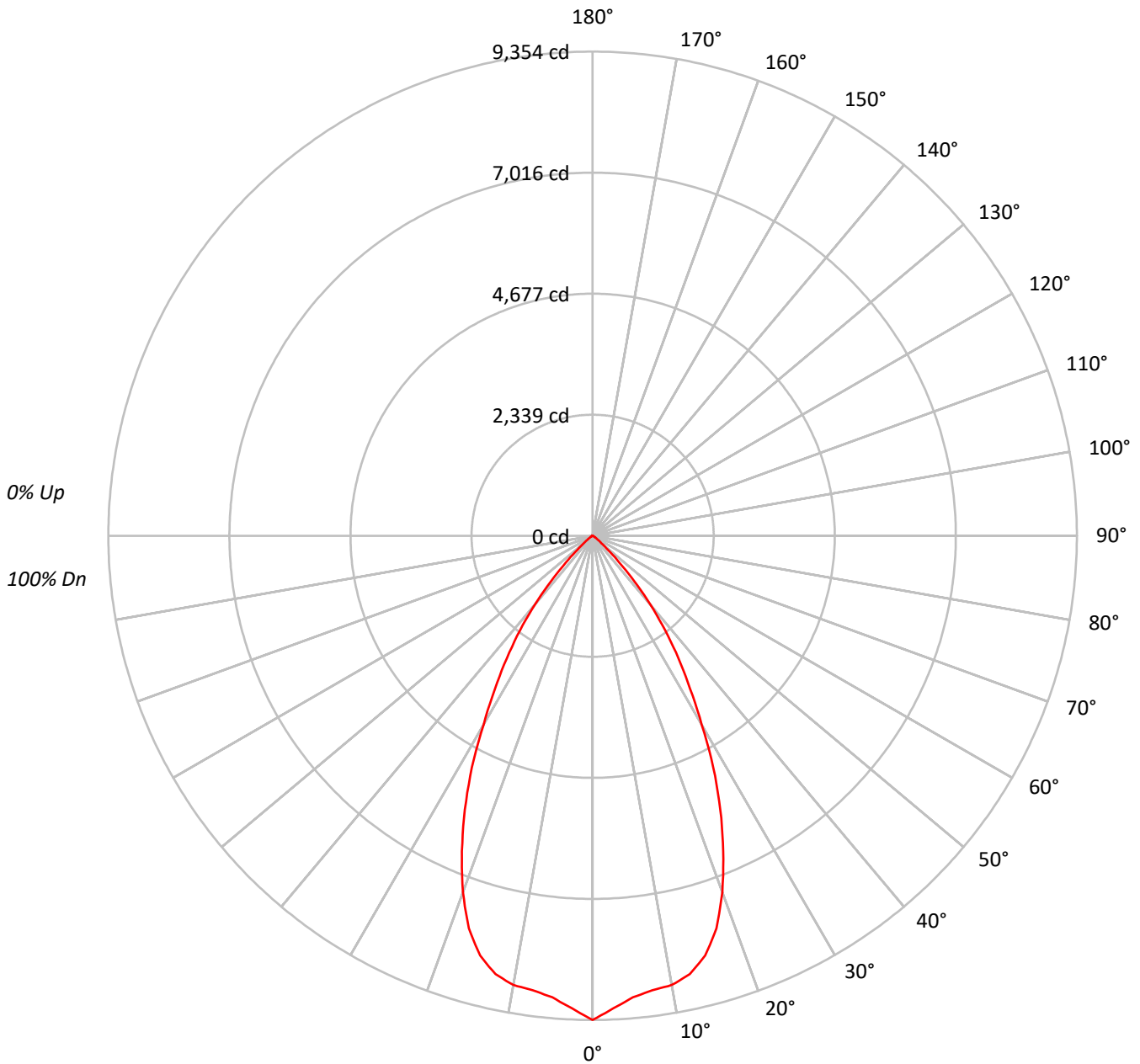


Downlight

TEST NUMBER: P770708

CATALOG NUMBER: LD6D70BD010-EU6DR5570959035-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P770708

CATALOG NUMBER: LD6D70BD010-EU6DR5570959035-6LBS1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94			
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75			
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70			
6	88	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65			
7	83	74	68	64	82	73	67	63	72	67	63	71	66	63	70	65	62	61			
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	62	58	57			
9	75	66	60	56	74	65	59	55	64	59	55	63	58	55	62	58	55	54			
10	72	62	56	52	71	61	56	52	61	56	52	60	55	52	59	55	52	50			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1022058
5°	981466
10°	977770
15°	949680
20°	851524
25°	703733
30°	531590
35°	385436
40°	246664
45°	112659
50°	36852
55°	15906
60°	6840
65°	905
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 112659 cd/sqm



TEST NUMBER: P770708

CATALOG NUMBER: LD6D70BD010-EU6DR5570959035-6LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	851.5	10.2
10°-20°	2323.9	27.9
20°-30°	2648.3	31.7
30°-40°	1802.9	21.6
40°-50°	621.3	7.4
50°-60°	85.9	1.0
60°-70°	8.3	0.1
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°	5823.7	69.8
0°-40°	7626.6	91.4
0°-60°	8333.7	99.9
0°-90°	8342.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8342.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9354	
5°	8949	852
15°	8396	2324
25°	5837	2648
35°	2890	1803
45°	729	621
55°	84	86
65°	4	8
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P770708

CATALOG NUMBER: LD6D70BD010-EU6DR5570959035-6LBS1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	9354.3
2.5°	9139.8
5°	8948.6
7.5°	8854.7
10°	8813.0
12.5°	8673.9
15°	8395.7
17.5°	7954.0
20°	7323.5
22.5°	6595.5
25°	5837.4
27.5°	5048.1
30°	4213.5
32.5°	3506.4
35°	2889.7
37.5°	2303.2
40°	1729.4
42.5°	1198.6
45°	729.1
47.5°	392.9
50°	216.8
52.5°	128.7
55°	83.5
57.5°	53.3
60°	31.3
62.5°	13.9
65°	3.5
67.5°	1.2
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

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

Scaled Data Report



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



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

Scaled Data Report



— 0°-180°

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

Scaled Data Report



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

Scaled Data Report



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

Scaled Data Report



(END OF REPORT)