

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



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: P770848

Luminaire Tested: LD6D70BD010-EU6DR6570959030-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770848
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D70BD010-EU6DR6570959030-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6912.5 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

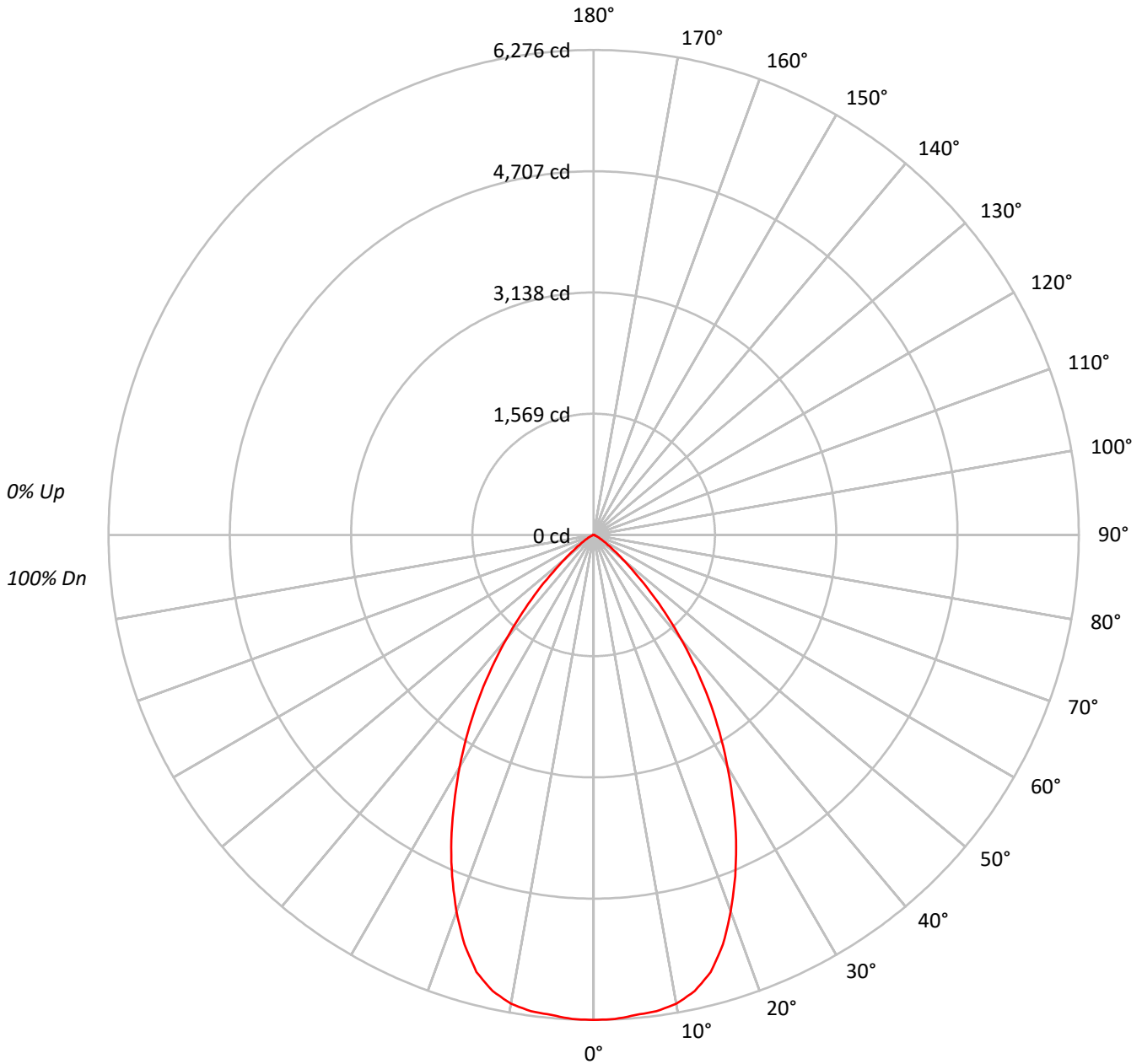
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P770848
CATALOG NUMBER: LD6D70BD010-EU6DR6570959030-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P770848

CATALOG NUMBER: LD6D70BD010-EU6DR6570959030-6LBS1B

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93																			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72																			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56																			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	366560
5°	365639
10°	365324
15°	354066
20°	322333
25°	280888
30°	233622
35°	185111
40°	133604
45°	84404
50°	43995
55°	23389
60°	12276
65°	6758
70°	2835
75°	3114
80°	2186
85°	1876

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 84404 cd/sqm



TEST NUMBER: P770848

CATALOG NUMBER: LD6D70BD010-EU6DR6570959030-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	593.5	8.6
10°-20°	1625.4	23.5
20°-30°	1986.7	28.7
30°-40°	1612.0	23.3
40°-50°	803.3	11.6
50°-60°	224.0	3.2
60°-70°	50.9	0.7
70°-80°	13.2	0.2
80°-90°	3.4	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°	4205.6	60.8
0°-40°	5817.6	84.2
0°-60°	6844.9	99.0
0°-90°	6912.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6912.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6276	
5°	6237	594
15°	5856	1625
25°	4359	1987
35°	2596	1612
45°	1022	803
55°	230	224
65°	49	51
75°	14	13
85°	3	3
90°	0	



TEST NUMBER: P770848

CATALOG NUMBER: LD6D70BD010-EU6DR6570959030-6LBS1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	6276.3
2.5°	6271.7
5°	6236.7
7.5°	6216.4
10°	6160.1
12.5°	6045.8
15°	5855.8
17.5°	5558.8
20°	5186.2
22.5°	4784.0
25°	4358.8
27.5°	3904.1
30°	3464.2
32.5°	3029.8
35°	2596.3
37.5°	2163.7
40°	1752.4
42.5°	1366.9
45°	1021.9
47.5°	712.0
50°	484.2
52.5°	333.9
55°	229.7
57.5°	154.9
60°	105.1
62.5°	72.9
65°	48.9
67.5°	24.9
70°	16.6
72.5°	15.7
75°	13.8
77.5°	9.2
80°	6.5
82.5°	4.6
85°	2.8
87.5°	1.8
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)