

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: P770888

Luminaire Tested: LD6D70BD010-EU6DR6570959050-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770888
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-EU6DR6570959050-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7931.5 lumens
Efficiency: N/A
Efficacy: 119.1 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

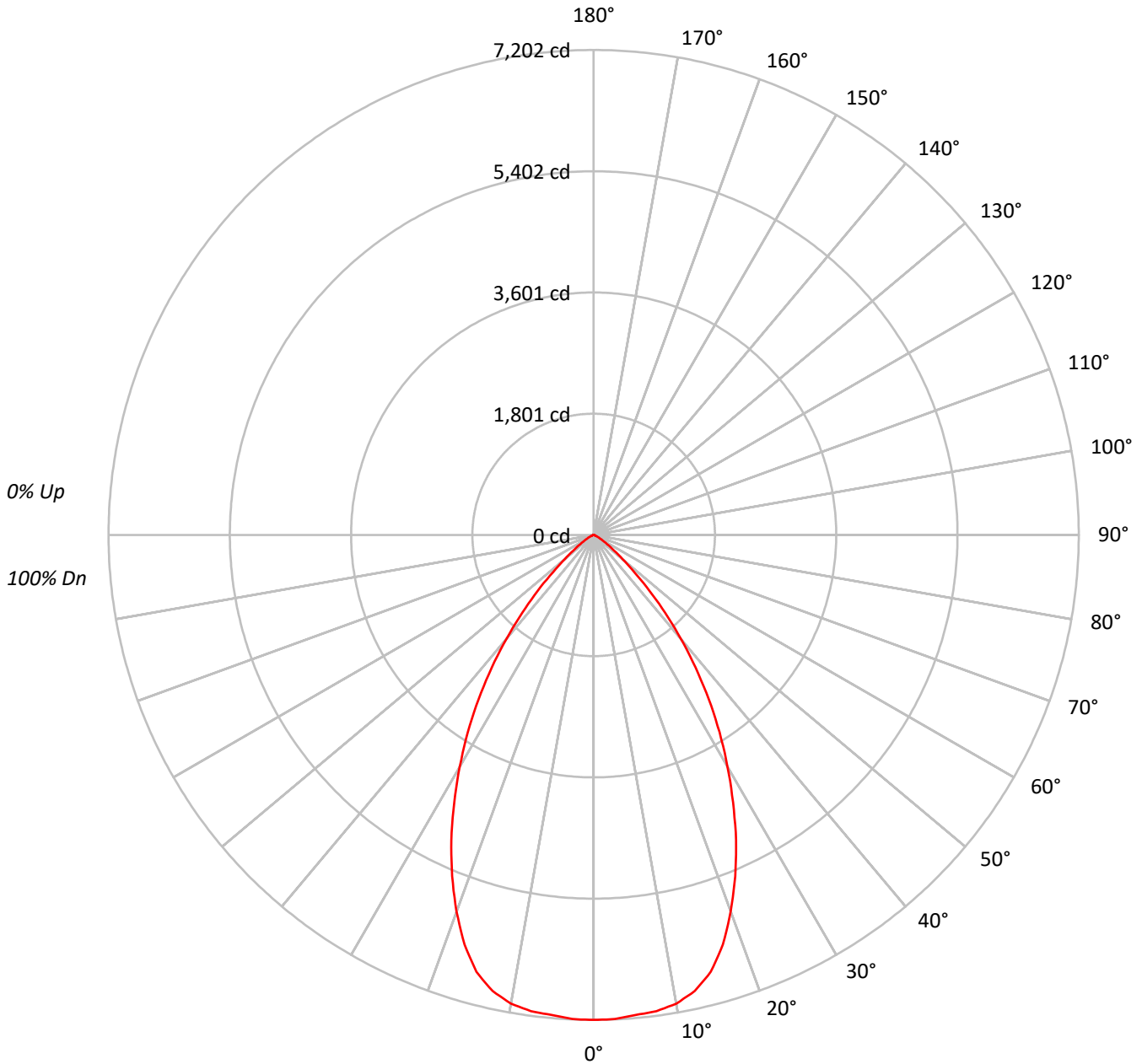


Downlight

TEST NUMBER: P770888

CATALOG NUMBER: LD6D70BD010-EU6DR6570959050-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P770888

CATALOG NUMBER: LD6D70BD010-EU6DR6570959050-6LBS1H

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°	420601
5°	419540
10°	419179
15°	406259
20°	369849
25°	322298
30°	268063
35°	212397
40°	153297
45°	96852
50°	50482
55°	26831
60°	14087
65°	7753
70°	3244
75°	3588
80°	2489
85°	2144

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 96852 cd/sqm



TEST NUMBER: P770888

CATALOG NUMBER: LD6D70BD010-EU6DR6570959050-6LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	681.0	8.6
10°-20°	1864.9	23.5
20°-30°	2279.6	28.7
30°-40°	1849.6	23.3
40°-50°	921.7	11.6
50°-60°	257.1	3.2
60°-70°	58.4	0.7
70°-80°	15.2	0.2
80°-90°	3.9	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°	4825.6	60.8
0°-40°	6675.2	84.2
0°-60°	7854.0	99.0
0°-90°	7931.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7931.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7202	
5°	7156	681
15°	6719	1865
25°	5001	2280
35°	2979	1850
45°	1173	922
55°	264	257
65°	56	58
75°	16	15
85°	3	4
90°	0	



TEST NUMBER: P770888

CATALOG NUMBER: LD6D70BD010-EU6DR6570959050-6LBS1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	7201.6
2.5°	7196.3
5°	7156.1
7.5°	7132.8
10°	7068.2
12.5°	6937.0
15°	6719.0
17.5°	6378.2
20°	5950.7
22.5°	5489.3
25°	5001.4
27.5°	4479.7
30°	3974.9
32.5°	3476.4
35°	2979.0
37.5°	2482.7
40°	2010.7
42.5°	1568.4
45°	1172.6
47.5°	817.0
50°	555.6
52.5°	383.1
55°	263.5
57.5°	177.8
60°	120.6
62.5°	83.6
65°	56.1
67.5°	28.6
70°	19.0
72.5°	18.0
75°	15.9
77.5°	10.6
80°	7.4
82.5°	5.3
85°	3.2
87.5°	2.1
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)