

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: P770421

Luminaire Tested: LD6D70BD010-EU6DR3570959050-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770421
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D70BD010-EU6DR3570959050-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9078.1 lumens
Efficiency: N/A
Efficacy: 136.3 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
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

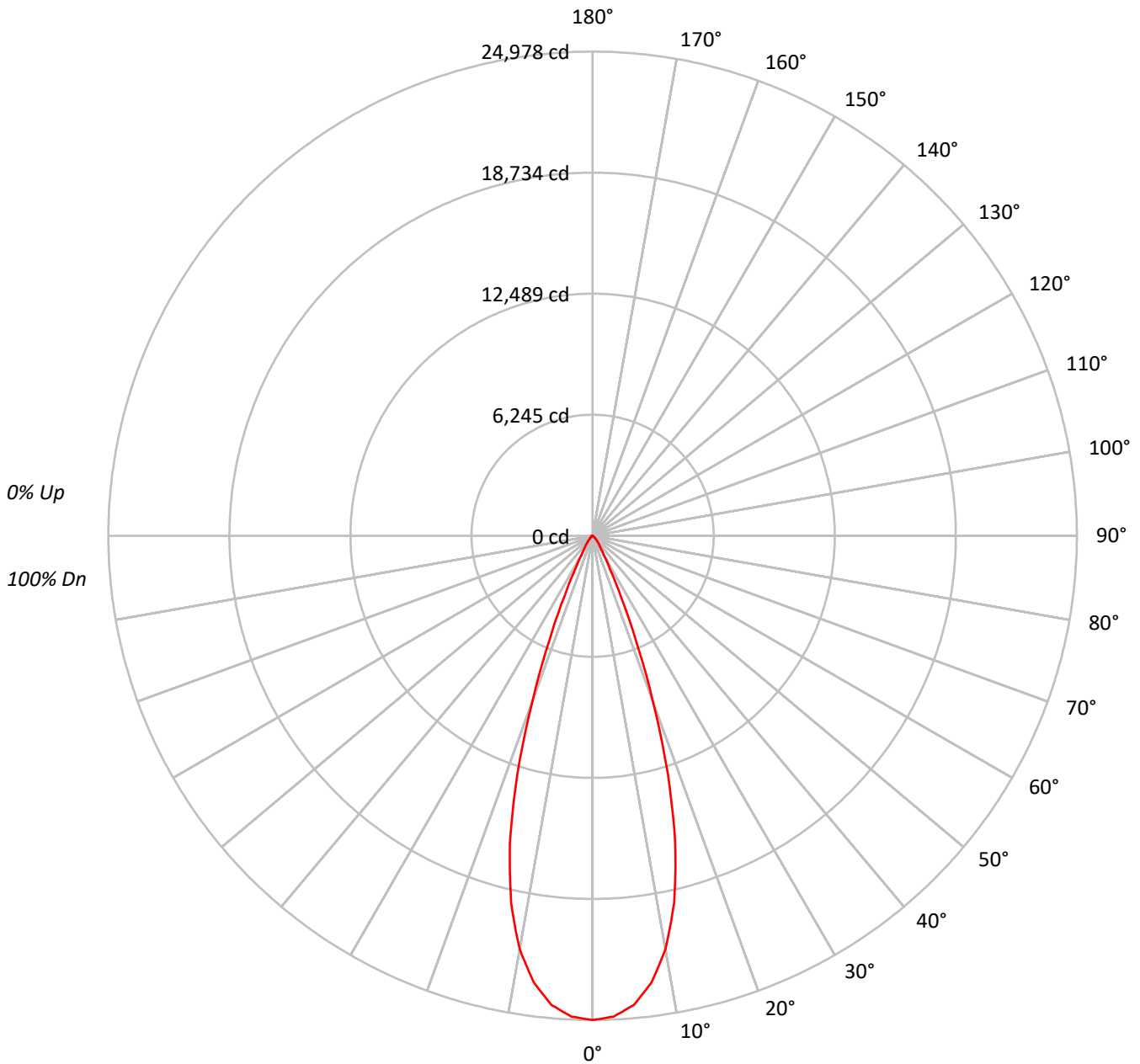


Downlight

TEST NUMBER: P770421

CATALOG NUMBER: LD6D70BD010-EU6DR3570959050-6LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P770421

CATALOG NUMBER: LD6D70BD010-EU6DR3570959050-6LBS1LI

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			100
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96			96
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92			92
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88			88
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84			84
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81			81
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78			78
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75			75
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72			72
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70			70
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68			68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2729137
5°	2665003
10°	2401876
15°	1864238
20°	1057374
25°	411361
30°	153465
35°	84125
40°	54984
45°	33469
50°	21298
55°	15049
60°	11013
65°	5998
70°	447
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 33469 cd/sqm



TEST NUMBER: P770421

CATALOG NUMBER: LD6D70BD010-EU6DR3570959050-6LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2234.7	24.6
10°-20°	4363.2	48.1
20°-30°	1779.5	19.6
30°-40°	425.9	4.7
40°-50°	177.5	2.0
50°-60°	73.4	0.8
60°-70°	23.0	0.3
70°-80°	0.5	0.0
80°-90°	0.4	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°	8377.4	92.3
0°-40°	8803.2	97.0
0°-60°	9054.1	99.7
0°-90°	9078.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9078.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24978	
5°	24298	###
15°	16481	4363
25°	3412	1779
35°	631	426
45°	217	177
55°	79	73
65°	23	23
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P770421

CATALOG NUMBER: LD6D70BD010-EU6DR3570959050-6LBS1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	24978.2
2.5°	24828.3
5°	24298.4
7.5°	23241.4
10°	21649.0
12.5°	19406.9
15°	16480.9
17.5°	12902.5
20°	9093.9
22.5°	5798.8
25°	3412.2
27.5°	1928.8
30°	1216.4
32.5°	854.1
35°	630.7
37.5°	487.7
40°	385.5
42.5°	297.0
45°	216.6
47.5°	162.1
50°	125.3
52.5°	99.4
55°	79.0
57.5°	64.0
60°	50.4
62.5°	36.8
65°	23.2
67.5°	8.2
70°	1.4
72.5°	1.4
75°	0.0
77.5°	0.0
80°	0.0
82.5°	1.4
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)