

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: P770227

Luminaire Tested: LD6D70BD010-EU6DR2570959030-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D70BD010-EU6DR2570959030-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7212.7 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
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

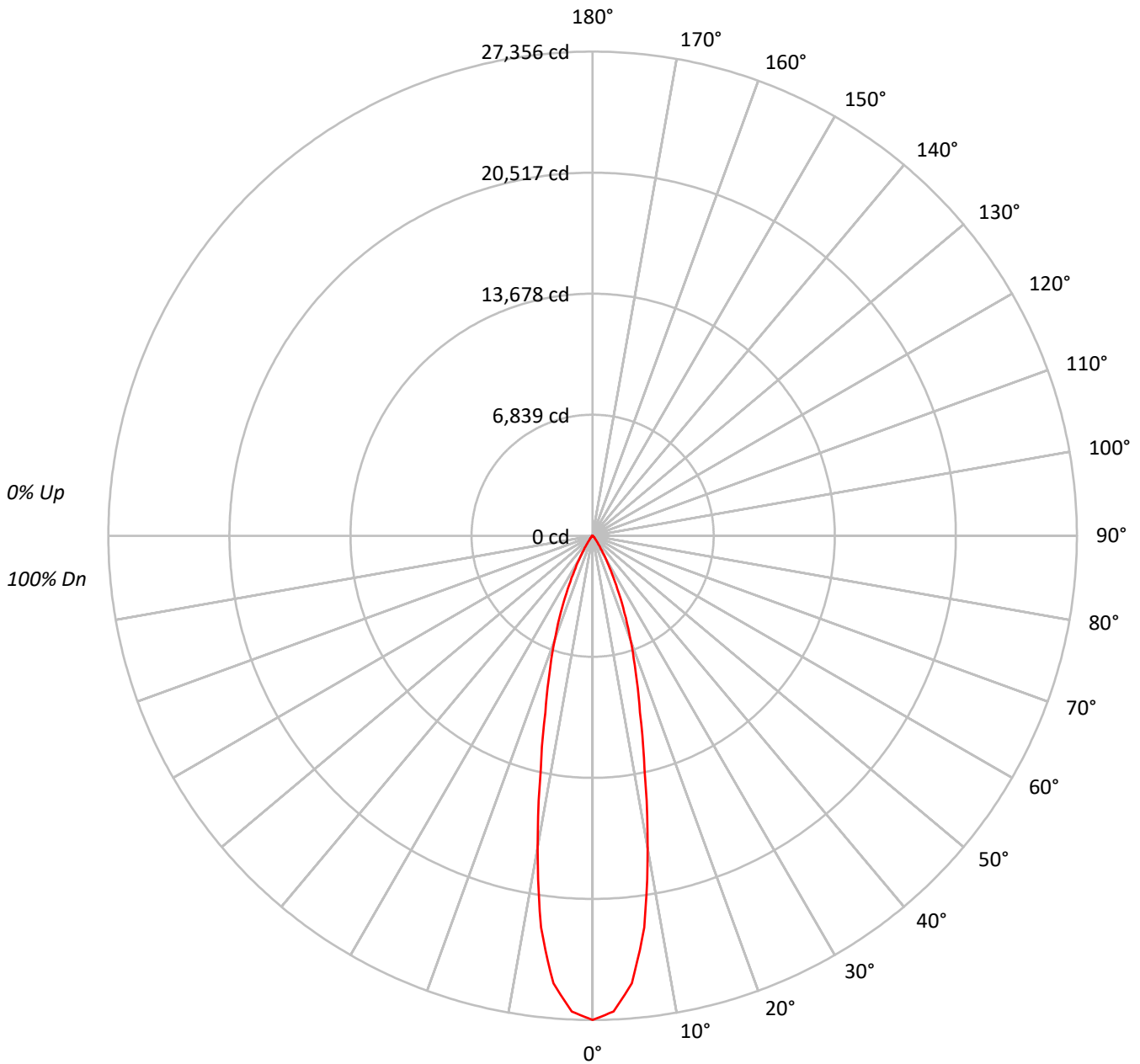


Downlight

TEST NUMBER: P770227

CATALOG NUMBER: LD6D70BD010-EU6DR2570959030-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P770227

CATALOG NUMBER: LD6D70BD010-EU6DR2570959030-6LBS1MW

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	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	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	97	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	93	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2988959
5°	2783839
10°	1985794
15°	1169553
20°	727717
25°	399366
30°	182647
35°	69172
40°	31322
45°	18836
50°	7819
55°	5029
60°	3518
65°	2379
70°	351
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18836 cd/sqm



TEST NUMBER: P770227

CATALOG NUMBER: LD6D70BD010-EU6DR2570959030-6LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2181.4	30.2
10°-20°	2954.5	41.0
20°-30°	1563.5	21.7
30°-40°	386.0	5.4
40°-50°	94.2	1.3
50°-60°	24.8	0.3
60°-70°	8.3	0.1
70°-80°	0.1	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°	6699.4	92.9
0°-40°	7085.3	98.2
0°-60°	7204.3	99.9
0°-90°	7212.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7212.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	27356	
5°	25382	###
15°	10340	2955
25°	3313	1563
35°	519	386
45°	122	94
55°	26	25
65°	9	8
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P770227

CATALOG NUMBER: LD6D70BD010-EU6DR2570959030-6LBS1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	27356.2
2.5°	26906.6
5°	25381.9
7.5°	22318.7
10°	17898.7
12.5°	13530.4
15°	10339.5
17.5°	8058.2
20°	6258.7
22.5°	4693.7
25°	3312.7
27.5°	2221.5
30°	1447.7
32.5°	880.8
35°	518.6
37.5°	317.4
40°	219.6
42.5°	167.9
45°	121.9
47.5°	73.6
50°	46.0
52.5°	33.3
55°	26.4
57.5°	20.7
60°	16.1
62.5°	12.6
65°	9.2
67.5°	3.4
70°	1.1
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)