

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: P770825

Luminaire Tested: LD6D70BD010-EU6DR6570959024-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770825
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-EU6DR6570959024-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6062.0 lumens
Efficiency: N/A
Efficacy: 91.0 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

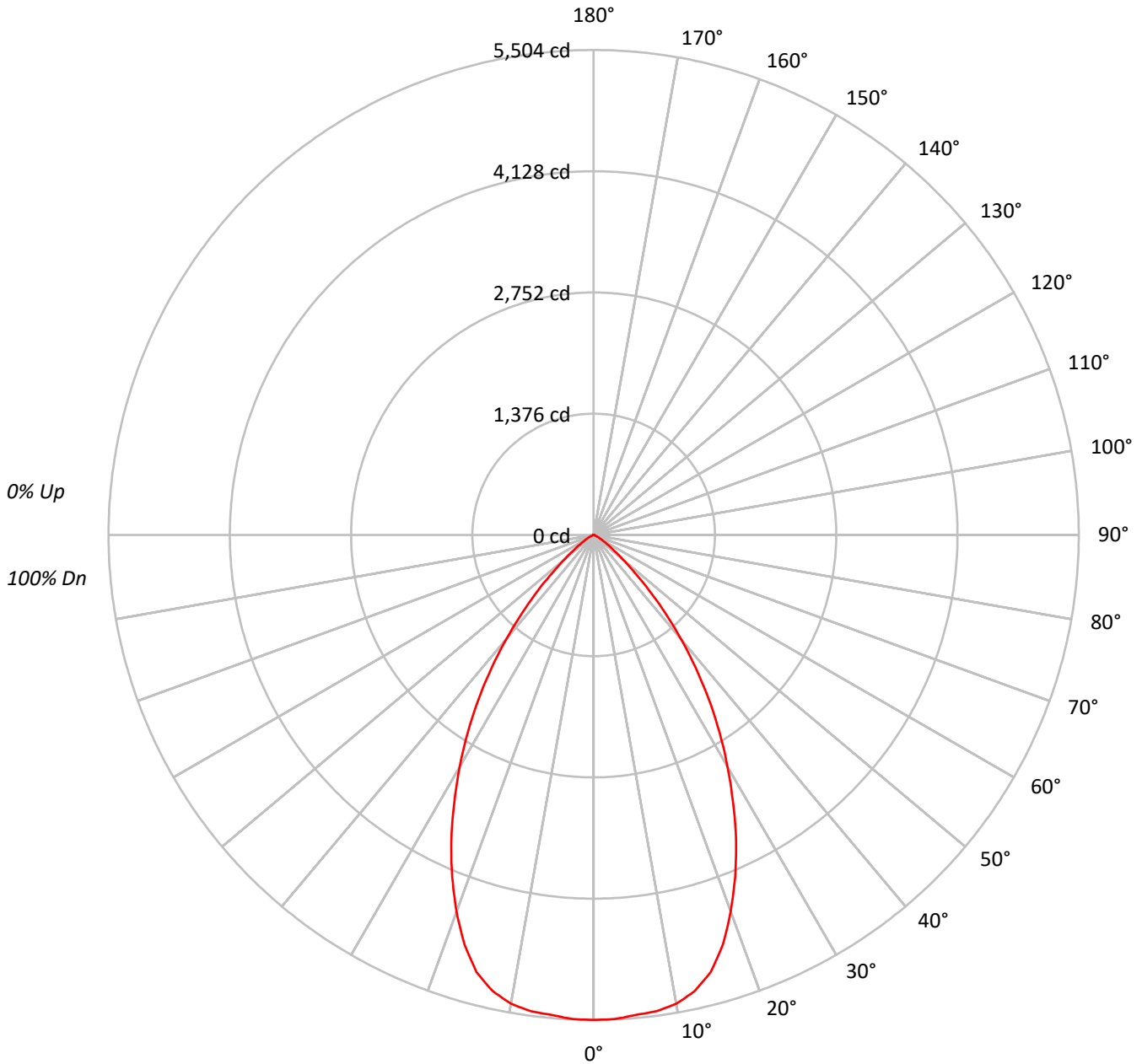


Downlight

TEST NUMBER: P770825

CATALOG NUMBER: LD6D70BD010-EU6DR6570959024-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P770825

CATALOG NUMBER: LD6D70BD010-EU6DR6570959024-6LBS1MW

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
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°	321467
5°	320654
10°	320383
15°	310501
20°	282674
25°	246334
30°	204880
35°	162338
40°	117167
45°	74022
50°	38579
55°	20507
60°	10770
65°	5929
70°	2493
75°	2730
80°	1917
85°	1608

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 74022 cd/sqm



TEST NUMBER: P770825

CATALOG NUMBER: LD6D70BD010-EU6DR6570959024-6LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	520.5	8.6
10°-20°	1425.4	23.5
20°-30°	1742.3	28.7
30°-40°	1413.6	23.3
40°-50°	704.4	11.6
50°-60°	196.5	3.2
60°-70°	44.7	0.7
70°-80°	11.6	0.2
80°-90°	3.0	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°	3688.2	60.8
0°-40°	5101.8	84.2
0°-60°	6002.8	99.0
0°-90°	6062.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6062.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5504	
5°	5469	521
15°	5135	1425
25°	3823	1742
35°	2277	1414
45°	896	704
55°	201	196
65°	43	45
75°	12	12
85°	2	3
90°	0	



TEST NUMBER: P770825

CATALOG NUMBER: LD6D70BD010-EU6DR6570959024-6LBS1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	5504.2
2.5°	5500.1
5°	5469.4
7.5°	5451.6
10°	5402.3
12.5°	5302.0
15°	5135.3
17.5°	4874.9
20°	4548.1
22.5°	4195.5
25°	3822.6
27.5°	3423.8
30°	3038.0
32.5°	2657.0
35°	2276.9
37.5°	1897.5
40°	1536.8
42.5°	1198.7
45°	896.2
47.5°	624.4
50°	424.6
52.5°	292.8
55°	201.4
57.5°	135.9
60°	92.2
62.5°	63.9
65°	42.9
67.5°	21.8
70°	14.6
72.5°	13.8
75°	12.1
77.5°	8.1
80°	5.7
82.5°	4.0
85°	2.4
87.5°	1.6
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)