

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: P771601

Luminaire Tested: LD6D75BD010-EU6DR6570959024-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P771601
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D75BD010-EU6DR6570959024-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 5526.8 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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

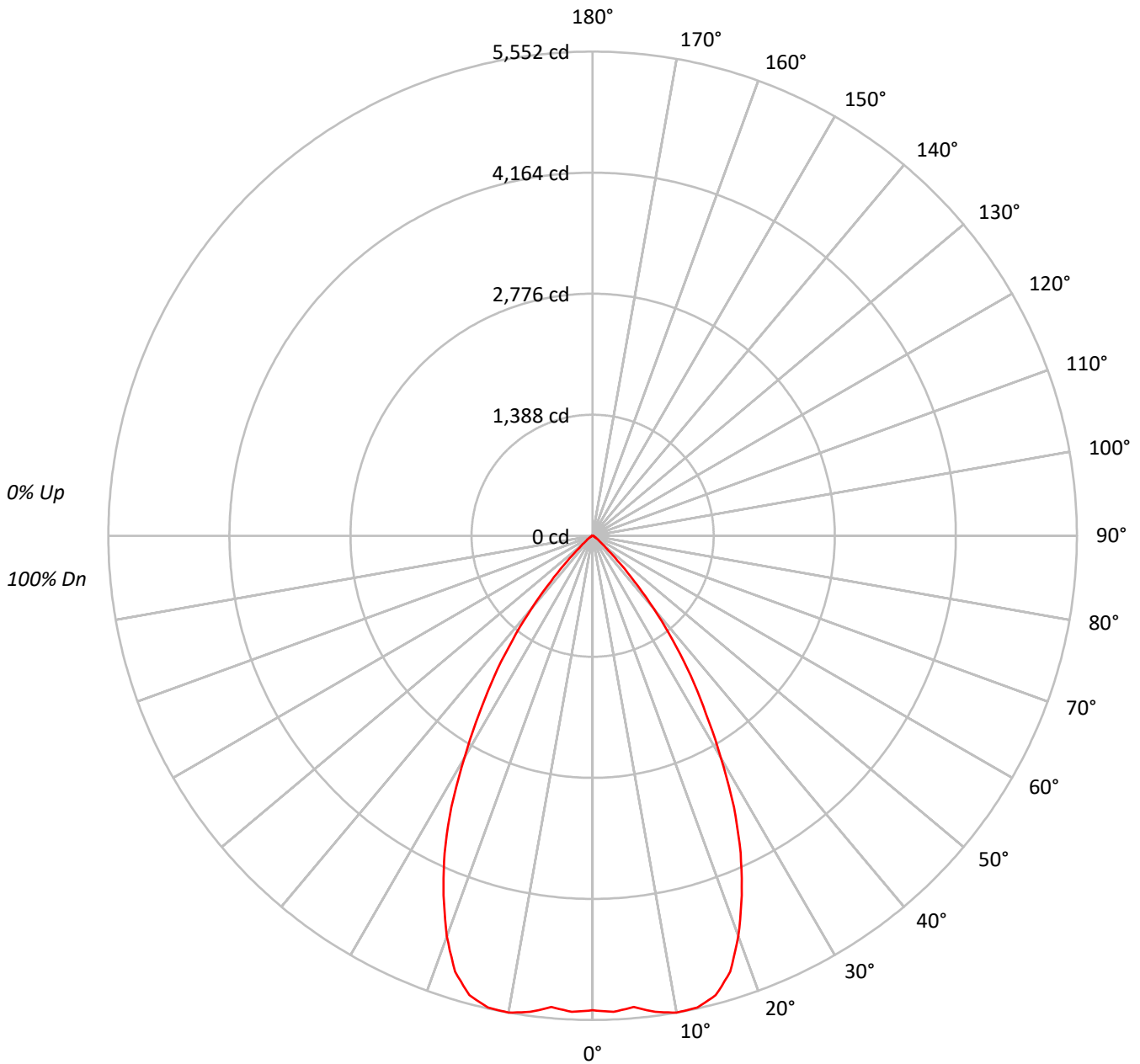


Downlight

TEST NUMBER: P771601

CATALOG NUMBER: LD6D75BD010-EU6DR6570959024-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P771601

CATALOG NUMBER: LD6D75BD010-EU6DR6570959024-6LBDP1MW

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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87		
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80		
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69		
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65		
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60		
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57		
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53		
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	594542
5°	595026
10°	615974
15°	616997
20°	568051
25°	484008
30°	370529
35°	261764
40°	154511
45°	62734
50°	22743
55°	12668
60°	7277
65°	4007
70°	4185
75°	3251
80°	3398
85°	2883

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 62734 cd/sqm



TEST NUMBER: P771601

CATALOG NUMBER: LD6D75BD010-EU6DR6570959024-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	524.0	9.5
10°-20°	1511.4	27.3
20°-30°	1813.4	32.8
30°-40°	1218.6	22.0
40°-50°	364.8	6.6
50°-60°	64.4	1.2
60°-70°	18.3	0.3
70°-80°	9.0	0.2
80°-90°	2.8	0.1
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°	3848.8	69.6
0°-40°	5067.4	91.7
0°-60°	5496.6	99.5
0°-90°	5526.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5526.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5442	
5°	5425	524
15°	5455	1511
25°	4015	1813
35°	1962	1219
45°	406	365
55°	66	64
65°	16	18
75°	8	9
85°	2	3
90°	0	



TEST NUMBER: P771601

CATALOG NUMBER: LD6D75BD010-EU6DR6570959024-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	5441.5
2.5°	5464.7
5°	5425.2
7.5°	5507.2
10°	5552.0
12.5°	5541.2
15°	5454.6
17.5°	5242.7
20°	4885.5
22.5°	4464.8
25°	4014.8
27.5°	3506.8
30°	2936.9
32.5°	2420.3
35°	1962.5
37.5°	1510.2
40°	1083.3
42.5°	707.5
45°	406.0
47.5°	215.0
50°	133.8
52.5°	92.8
55°	66.5
57.5°	47.9
60°	33.3
62.5°	21.7
65°	15.5
67.5°	13.9
70°	13.1
72.5°	10.1
75°	7.7
77.5°	7.0
80°	5.4
82.5°	3.9
85°	2.3
87.5°	1.5
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)