

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: P773204

Luminaire Tested: LD6D85BD010-EU6DR6570959035-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773204  
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: LD6D85BD010-EU6DR6570959035-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9113.2 lumens  
Efficiency: N/A  
Efficacy: 103.9 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): 87.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

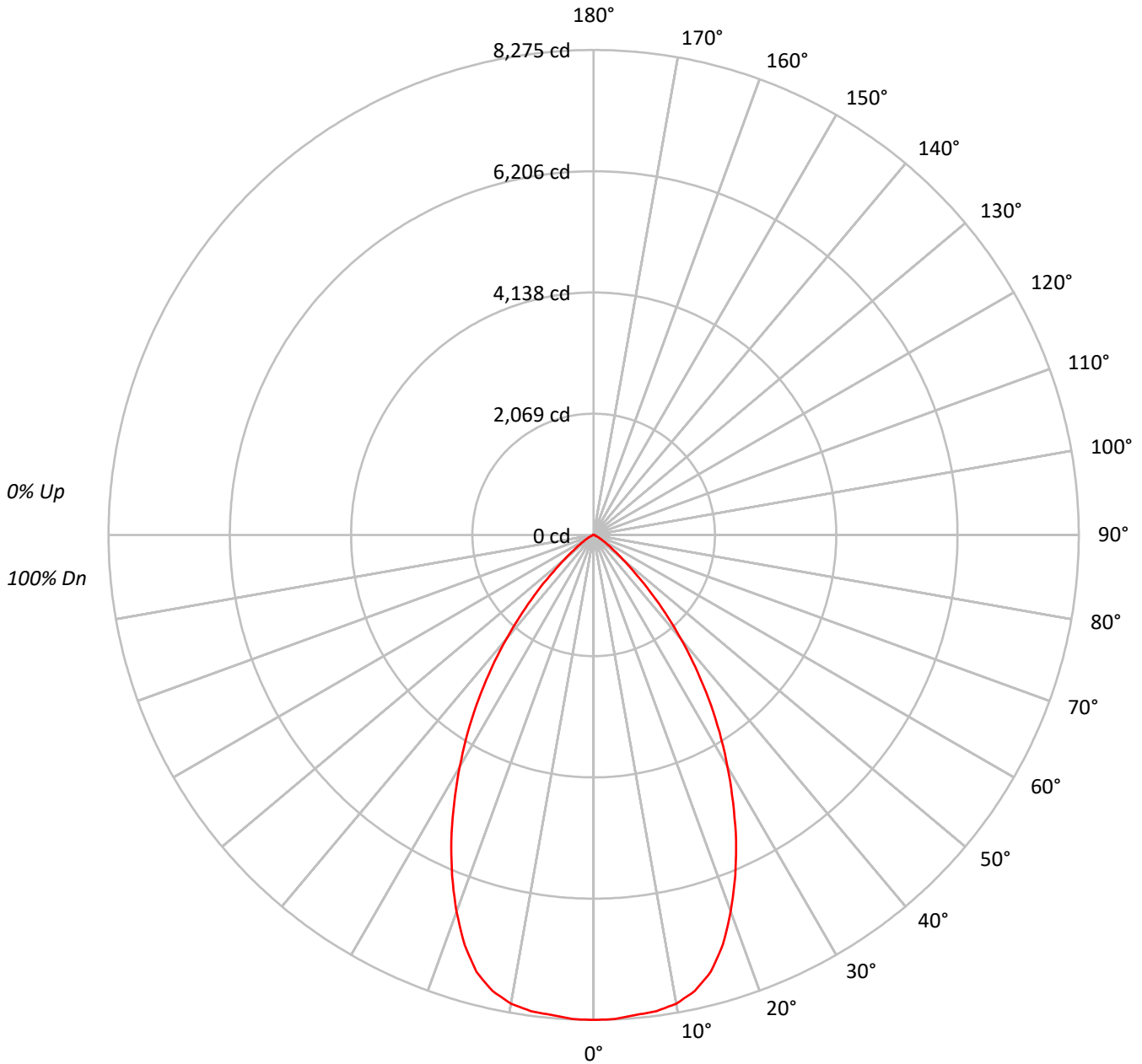


Downlight

TEST NUMBER: P773204

CATALOG NUMBER: LD6D85BD010-EU6DR6570959035-6LBS1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P773204

CATALOG NUMBER: LD6D85BD010-EU6DR6570959035-6LBS1MW

**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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100																
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			93																
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85																
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			78																
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			72																
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			66																
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61																
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			56																
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52																
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			49																
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			46																

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	483269
5°	482048
10°	481632
15°	466789
20°	424953
25°	370320
30°	308001
35°	244046
40°	176139
45°	111281
50°	58005
55°	30832
60°	16190
65°	8900
70°	3740
75°	4107
80°	2859
85°	2412

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 111281 cd/sqm



TEST NUMBER: P773204

CATALOG NUMBER: LD6D85BD010-EU6DR6570959035-6LBS1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	782.5	8.6
10°-20°	2142.8	23.5
20°-30°	2619.2	28.7
30°-40°	2125.2	23.3
40°-50°	1059.0	11.6
50°-60°	295.4	3.2
60°-70°	67.1	0.7
70°-80°	17.5	0.2
80°-90°	4.4	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°	5544.6	60.8
0°-40°	7669.7	84.2
0°-60°	9024.2	99.0
0°-90°	9113.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9113.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8275	
5°	8222	783
15°	7720	2143
25°	5747	2619
35°	3423	2125
45°	1347	1059
55°	303	295
65°	64	67
75°	18	17
85°	4	4
90°	0	



TEST NUMBER: P773204

CATALOG NUMBER: LD6D85BD010-EU6DR6570959035-6LBS1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8274.6
2.5°	8268.5
5°	8222.3
7.5°	8195.5
10°	8121.3
12.5°	7970.6
15°	7720.1
17.5°	7328.5
20°	6837.3
22.5°	6307.1
25°	5746.6
27.5°	5147.1
30°	4567.1
32.5°	3994.4
35°	3422.9
37.5°	2852.6
40°	2310.3
42.5°	1802.0
45°	1347.3
47.5°	938.7
50°	638.4
52.5°	440.2
55°	302.8
57.5°	204.3
60°	138.6
62.5°	96.1
65°	64.4
67.5°	32.8
70°	21.9
72.5°	20.7
75°	18.2
77.5°	12.2
80°	8.5
82.5°	6.1
85°	3.6
87.5°	2.4
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)