

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: P773178

Luminaire Tested: LD6D85BD010-EU6DR6570959027-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773178  
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-EU6DR6570959027-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

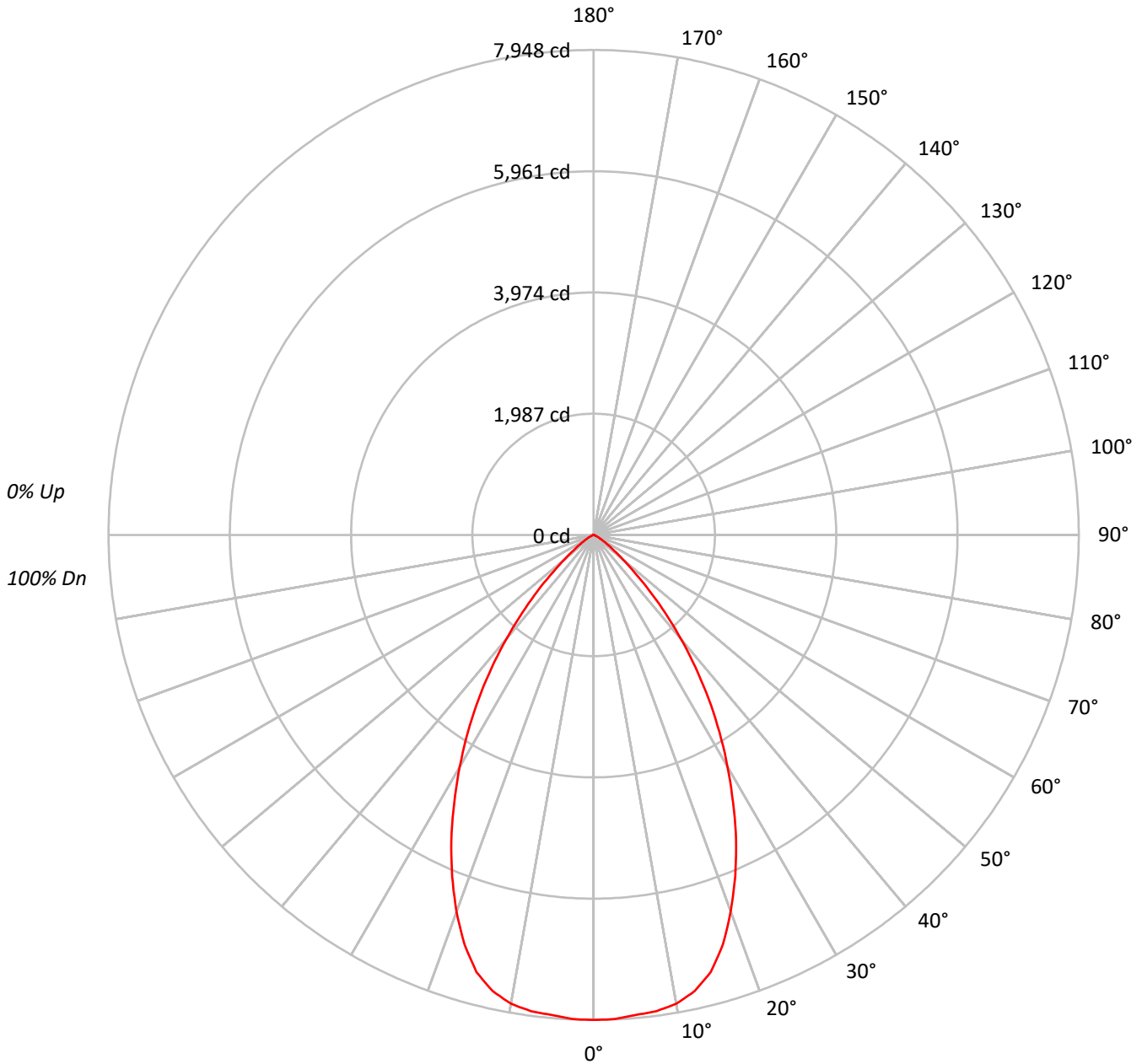
Lumens per Lamp: N/A  
Luminaire Lumens: 8753.7 lumens  
Efficiency: N/A  
Efficacy: 99.8 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 87.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P773178  
CATALOG NUMBER: LD6D85BD010-EU6DR6570959027-6LBS1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P773178

CATALOG NUMBER: LD6D85BD010-EU6DR6570959027-6LBS1MW

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

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

	0°
0°	464200
5°	463030
10°	462637
15°	448372
20°	408190
25°	355711
30°	295848
35°	234421
40°	169194
45°	106887
50°	55716
55°	29610
60°	15547
65°	8554
70°	3586
75°	3949
80°	2758
85°	2345

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 106887 cd/sqm



TEST NUMBER: P773178

CATALOG NUMBER: LD6D85BD010-EU6DR6570959027-6LBS1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	751.6	8.6
10°-20°	2058.3	23.5
20°-30°	2515.9	28.7
30°-40°	2041.3	23.3
40°-50°	1017.2	11.6
50°-60°	283.7	3.2
60°-70°	64.5	0.7
70°-80°	16.8	0.2
80°-90°	4.3	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°	5325.8	60.8
0°-40°	7367.2	84.2
0°-60°	8668.1	99.0
0°-90°	8753.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8753.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7948	
5°	7898	752
15°	7416	2058
25°	5520	2516
35°	3288	2041
45°	1294	1017
55°	291	284
65°	62	64
75°	18	17
85°	4	4
90°	0	



TEST NUMBER: P773178

CATALOG NUMBER: LD6D85BD010-EU6DR6570959027-6LBS1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7948.1
2.5°	7942.3
5°	7897.9
7.5°	7872.2
10°	7801.0
12.5°	7656.1
15°	7415.5
17.5°	7039.4
20°	6567.6
22.5°	6058.3
25°	5519.9
27.5°	4944.1
30°	4386.9
32.5°	3836.8
35°	3287.9
37.5°	2740.1
40°	2219.2
42.5°	1730.9
45°	1294.1
47.5°	901.7
50°	613.2
52.5°	422.8
55°	290.8
57.5°	196.2
60°	133.1
62.5°	92.3
65°	61.9
67.5°	31.5
70°	21.0
72.5°	19.9
75°	17.5
77.5°	11.7
80°	8.2
82.5°	5.8
85°	3.5
87.5°	2.3
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)