

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: P773179

Luminaire Tested: LD6D85BD010-EU6DR6570959027-6LBSQW1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773179  
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: LD6D85BD010-EU6DR6570959027-6LBSQW1B  
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6697.0 lumens  
Efficiency: N/A  
Efficacy: 76.4 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

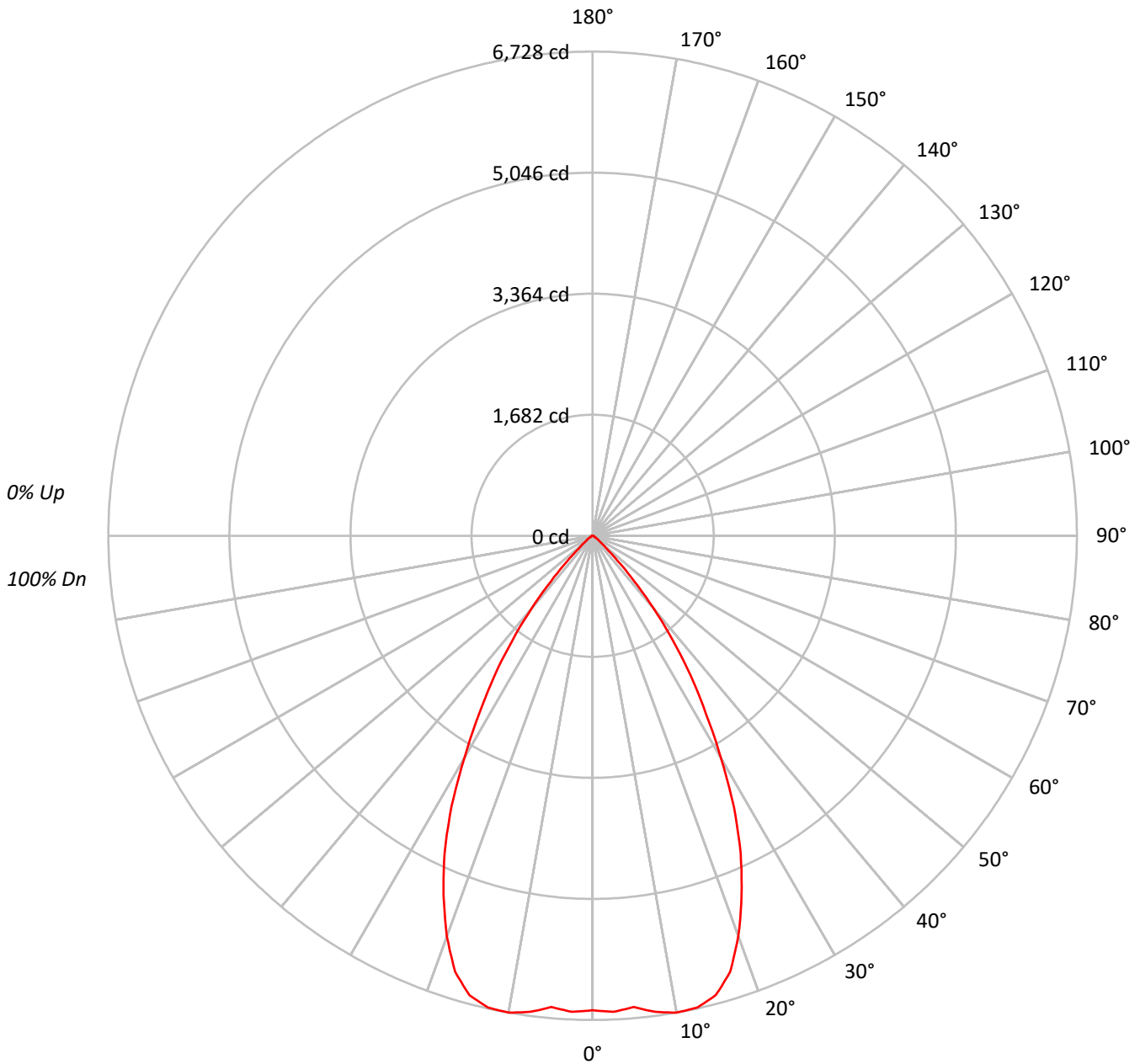
Input Watts (W): 87.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P773179

CATALOG NUMBER: LD6D85BD010-EU6DR6570959027-6LBSQW1B

### Luminous Intensity Polar Plot





TEST NUMBER: P773179  
 CATALOG NUMBER: LD6D85BD010-EU6DR6570959027-6LBSQW1B

**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																			
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°	720433
5°	721024
10°	746413
15°	747645
20°	688335
25°	586492
30°	448990
35°	317198
40°	187230
45°	76007
50°	27554
55°	15354
60°	8806
65°	4835
70°	5079
75°	3968
80°	4153
85°	3510

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 76007 cd/sqm



TEST NUMBER: P773179

CATALOG NUMBER: LD6D85BD010-EU6DR6570959027-6LBSQW1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	634.9	9.5
10°-20°	1831.4	27.3
20°-30°	2197.4	32.8
30°-40°	1476.7	22.1
40°-50°	442.1	6.6
50°-60°	78.0	1.2
60°-70°	22.2	0.3
70°-80°	10.9	0.2
80°-90°	3.5	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°	4663.8	69.6
0°-40°	6140.5	91.7
0°-60°	6660.5	99.5
0°-90°	6697.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6697.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6594	
5°	6574	635
15°	6610	1831
25°	4865	2197
35°	2378	1477
45°	492	442
55°	81	78
65°	19	22
75°	9	11
85°	3	3
90°	0	



TEST NUMBER: P773179

CATALOG NUMBER: LD6D85BD010-EU6DR6570959027-6LBSQW1B

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6593.7
2.5°	6621.8
5°	6574.0
7.5°	6673.4
10°	6727.7
12.5°	6714.6
15°	6609.6
17.5°	6352.9
20°	5920.0
22.5°	5410.3
25°	4864.9
27.5°	4249.3
30°	3558.8
32.5°	2932.8
35°	2378.1
37.5°	1830.0
40°	1312.7
42.5°	857.4
45°	491.9
47.5°	260.5
50°	162.1
52.5°	112.4
55°	80.6
57.5°	58.1
60°	40.3
62.5°	26.2
65°	18.7
67.5°	16.9
70°	15.9
72.5°	12.2
75°	9.4
77.5°	8.4
80°	6.6
82.5°	4.7
85°	2.8
87.5°	1.9
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)