

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: P773142

Luminaire Tested: LD6D85BD010-EU6DR6070959050-6LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773142  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-60)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D85BD010-EU6DR6070959050-6LBCSSQMB  
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10712.2 lumens  
Efficiency: N/A  
Efficacy: 122.1 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

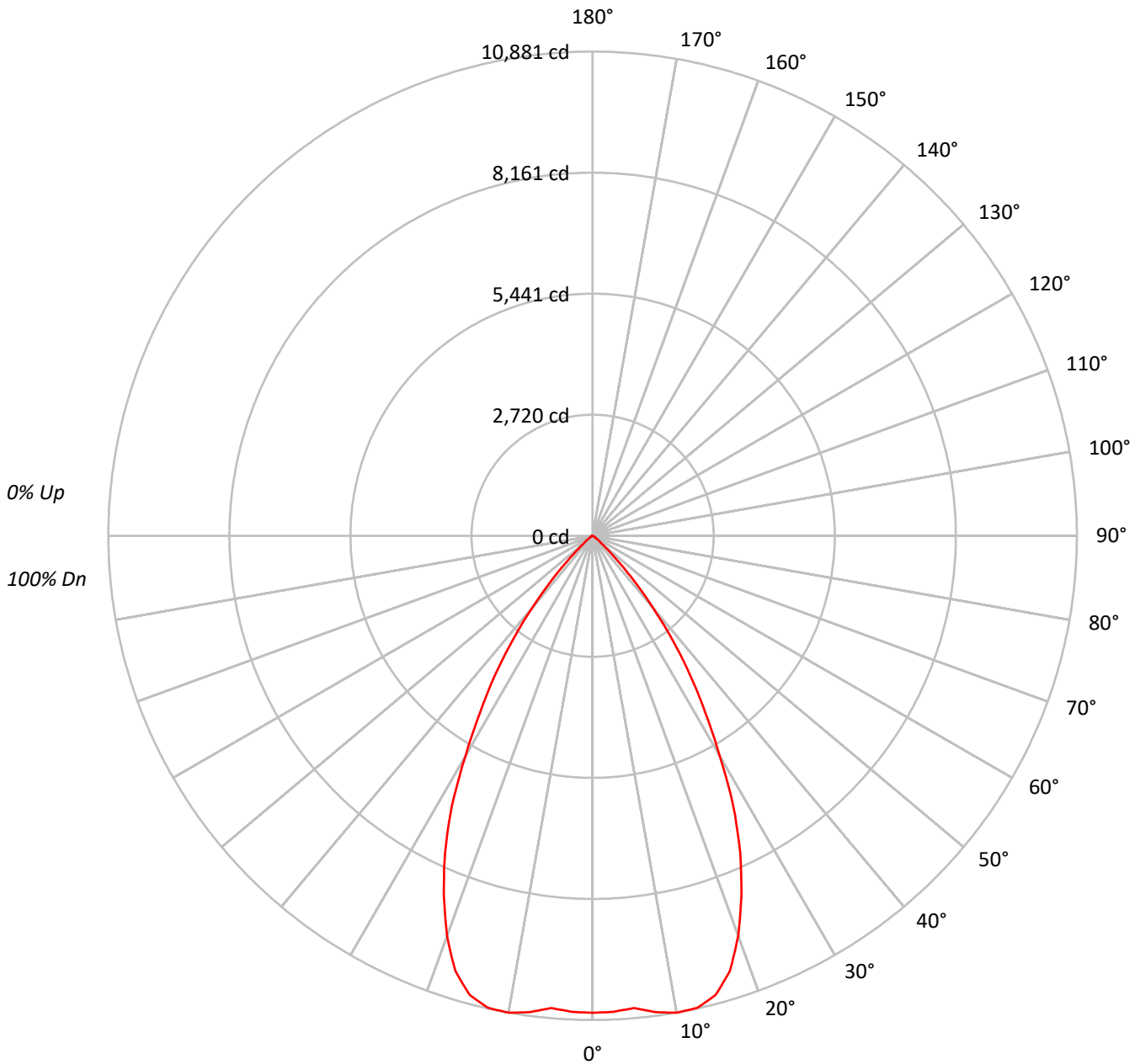
Input Watts (W): 87.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P773142

CATALOG NUMBER: LD6D85BD010-EU6DR6070959050-6LBCSSQMB

### Luminous Intensity Polar Plot





TEST NUMBER: P773142

CATALOG NUMBER: LD6D85BD010-EU6DR6070959050-6LBCSSQMB

**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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94																			
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87																			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81																			
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75																			
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70																			
6	87	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65																			
7	83	74	68	63	82	73	67	63	72	67	63	71	66	63	69	65	62	61																			
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	61	58	57																			
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53																			
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50																			

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

	0°
0°	1171286
5°	1168423
10°	1207229
15°	1208476
20°	1111929
25°	945773
30°	720646
35°	509615
40°	299252
45°	120756
50°	40319
55°	19411
60°	7976
65°	1189
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 120756 cd/sqm



TEST NUMBER: P773142

CATALOG NUMBER: LD6D85BD010-EU6DR6070959050-6LBCSSQMB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1027.7	9.6
10°-20°	2959.7	27.6
20°-30°	3542.4	33.1
30°-40°	2369.3	22.1
40°-50°	702.5	6.6
50°-60°	101.0	0.9
60°-70°	9.6	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	7529.8	70.3
0°-40°	9899.1	92.4
0°-60°	10702.6	99.9
0°-90°	10712.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10712.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10720	
5°	10653	###
15°	10684	2960
25°	7845	3542
35°	3821	2369
45°	782	702
55°	102	101
65°	5	10
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P773142

CATALOG NUMBER: LD6D85BD010-EU6DR6070959050-6LBCSSQMB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	10720.1
2.5°	10706.4
5°	10653.2
7.5°	10797.6
10°	10881.2
12.5°	10866.0
15°	10683.6
17.5°	10253.3
20°	9563.1
22.5°	8734.5
25°	7845.1
27.5°	6843.1
30°	5712.0
32.5°	4702.5
35°	3820.7
37.5°	2937.3
40°	2098.1
42.5°	1383.5
45°	781.5
47.5°	399.9
50°	237.2
52.5°	153.6
55°	101.9
57.5°	65.4
60°	36.5
62.5°	15.2
65°	4.6
67.5°	1.5
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)