

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: P773271

Luminaire Tested: LD6D85BD010-EU6DR7070959030-6LBSQW1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773271  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D85BD010-EU6DR7070959030-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8544.5 lumens  
Efficiency: N/A  
Efficacy: 97.4 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

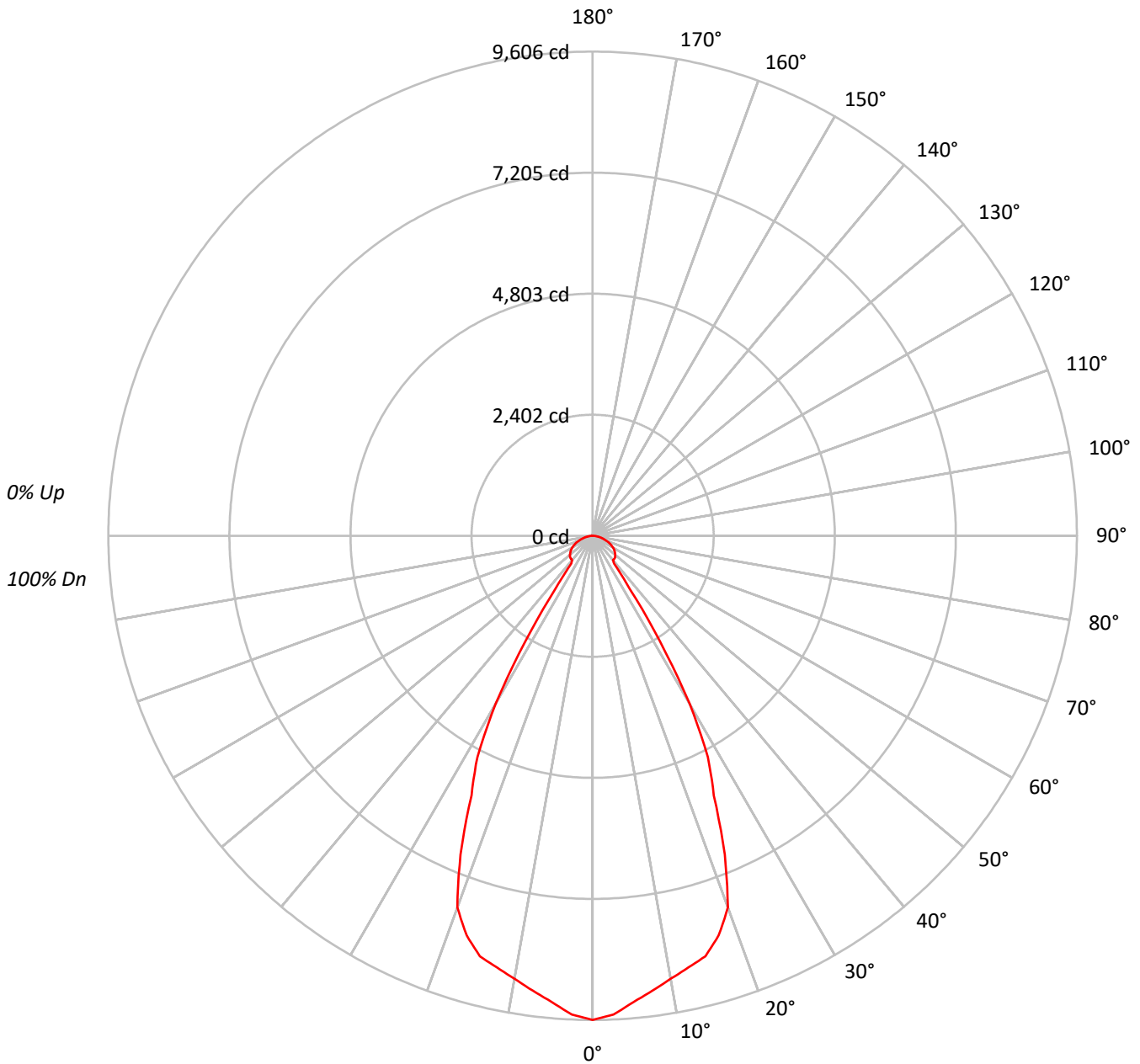
Input Watts (W): 87.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P773271

CATALOG NUMBER: LD6D85BD010-EU6DR7070959030-6LBSQW1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P773271

CATALOG NUMBER: LD6D85BD010-EU6DR7070959030-6LBSQW1MW

**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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76		
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70		
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65		
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61		
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57		
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53		
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50		
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48		

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

	0°
0°	1049613
5°	1018427
10°	990040
15°	977043
20°	912358
25°	685409
30°	484531
35°	171624
40°	90242
45°	96126
50°	99540
55°	101398
60°	102028
65°	99871
70°	94272
75°	87343
80°	77518
85°	62932

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 102062 cd/sqm



TEST NUMBER: P773271

CATALOG NUMBER: LD6D85BD010-EU6DR7070959030-6LBSQW1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	875.8	10.3
10°-20°	2402.4	28.1
20°-30°	2645.9	31.0
30°-40°	1010.9	11.8
40°-50°	477.3	5.6
50°-60°	474.5	5.6
60°-70°	379.9	4.4
70°-80°	218.4	2.6
80°-90°	59.4	0.7
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°	5924.1	69.3
0°-40°	6935.0	81.2
0°-60°	7886.8	92.3
0°-90°	8544.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8544.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9606	
5°	9286	876
15°	8638	2402
25°	5685	2646
35°	1287	1011
45°	622	477
55°	532	475
65°	386	380
75°	207	218
85°	50	59
90°	0	



TEST NUMBER: P773271

CATALOG NUMBER: LD6D85BD010-EU6DR7070959030-6LBSQW1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9606.5
2.5°	9506.1
5°	9285.6
7.5°	9101.5
10°	8923.6
12.5°	8773.0
15°	8637.6
17.5°	8310.6
20°	7846.7
22.5°	6845.9
25°	5685.4
27.5°	4949.3
30°	3840.5
32.5°	2480.7
35°	1286.7
37.5°	695.1
40°	632.7
42.5°	628.2
45°	622.1
47.5°	608.4
50°	585.6
52.5°	559.7
55°	532.3
57.5°	501.9
60°	466.9
62.5°	427.4
65°	386.3
67.5°	340.7
70°	295.1
72.5°	249.4
75°	206.9
77.5°	162.7
80°	123.2
82.5°	86.7
85°	50.2
87.5°	19.8
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)