

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: P773290

Luminaire Tested: LD6D85BD010-EU6DR7070959040-6LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773290  
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-EU6DR7070959040-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

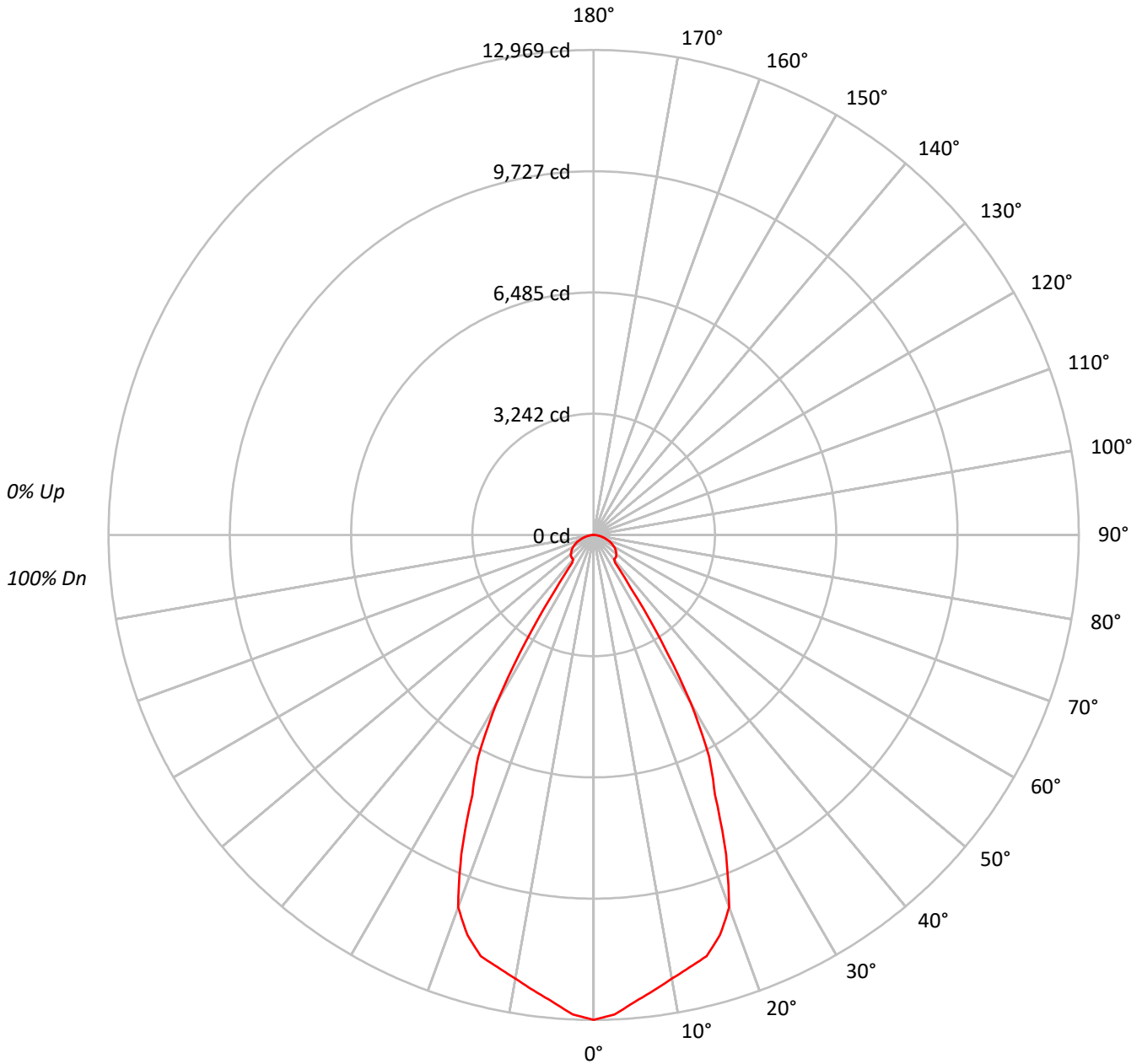
Lumens per Lamp: N/A  
Luminaire Lumens: 11535.7 lumens  
Efficiency: N/A  
Efficacy: 131.5 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 87.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

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### Luminous Intensity Polar Plot





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**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			
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°	1417046
5°	1374947
10°	1336625
15°	1319080
20°	1231748
25°	925351
30°	654145
35°	231713
40°	121834
45°	129780
50°	134386
55°	136905
60°	137756
65°	134851
70°	127272
75°	117907
80°	104637
85°	84996

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 137791 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1182.4	10.3
10°-20°	3243.4	28.1
20°-30°	3572.1	31.0
30°-40°	1364.8	11.8
40°-50°	644.4	5.6
50°-60°	640.7	5.6
60°-70°	513.0	4.4
70°-80°	294.8	2.6
80°-90°	80.1	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°	7997.9	69.3
0°-40°	9362.7	81.2
0°-60°	10647.8	92.3
0°-90°	11535.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11535.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	12969	
5°	12536	###
15°	11661	3243
25°	7676	3572
35°	1737	1365
45°	840	644
55°	719	641
65°	522	513
75°	279	295
85°	68	80
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	12969.4
2.5°	12833.9
5°	12536.2
7.5°	12287.7
10°	12047.5
12.5°	11844.2
15°	11661.4
17.5°	11219.9
20°	10593.6
22.5°	9242.5
25°	7675.7
27.5°	6681.9
30°	5184.9
32.5°	3349.1
35°	1737.2
37.5°	938.4
40°	854.2
42.5°	848.1
45°	839.9
47.5°	821.4
50°	790.6
52.5°	755.7
55°	718.7
57.5°	677.6
60°	630.4
62.5°	577.0
65°	521.6
67.5°	460.0
70°	398.4
72.5°	336.8
75°	279.3
77.5°	219.7
80°	166.3
82.5°	117.0
85°	67.8
87.5°	26.7
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)