

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: P793647

Luminaire Tested: LER6D50D010-EC6DR7040509030-6LBDP1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P793647  
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: LER6D50D010-EC6DR7040509030-6LBDDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3382.2 lumens  
Efficiency: N/A  
Efficacy: 72.0 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): 47  
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

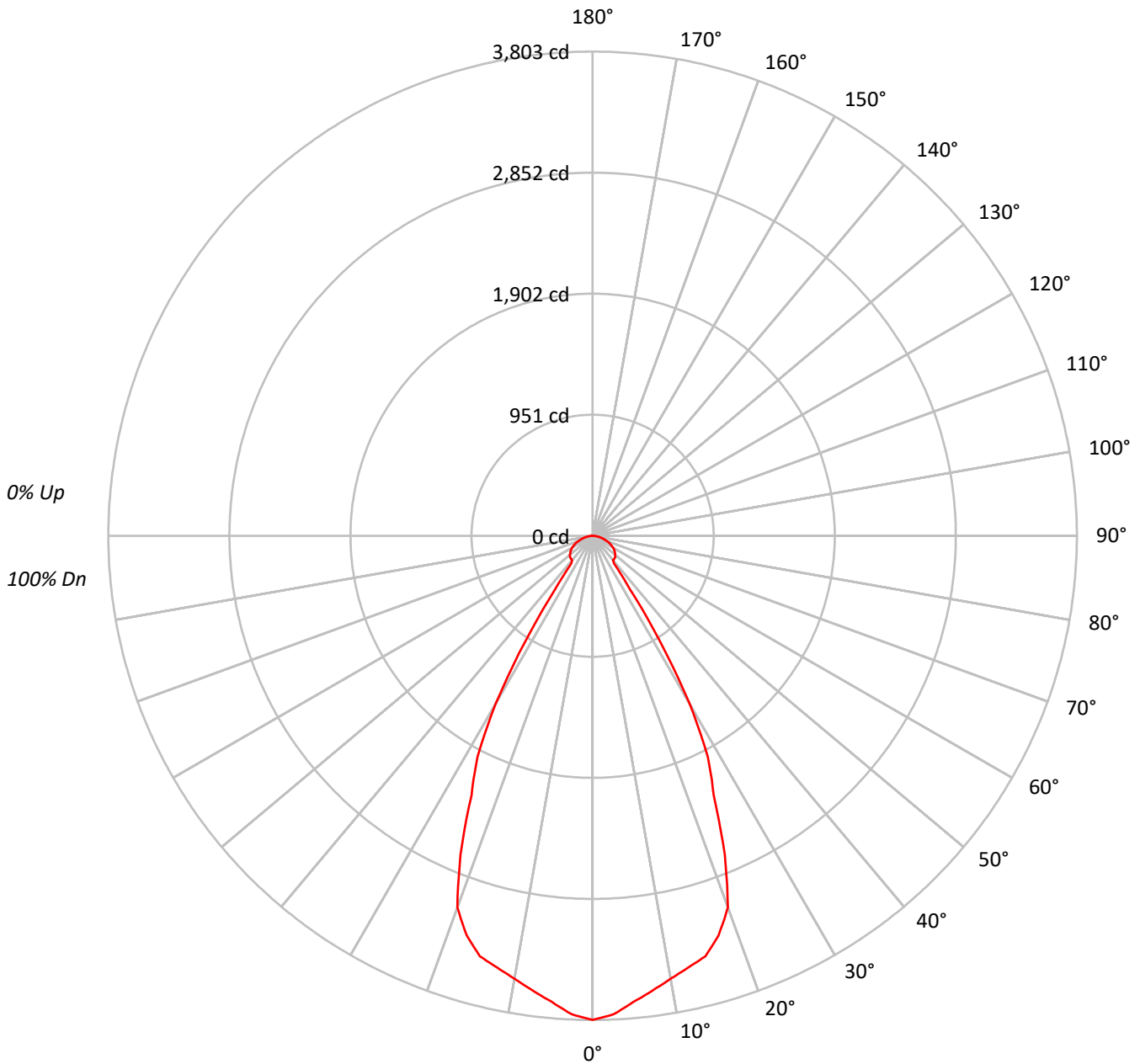


Downlight

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### Luminous Intensity Polar Plot





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**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	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°	415475
5°	403133
10°	391896
15°	386752
20°	361144
25°	271311
30°	191794
35°	67932
40°	35729
45°	38042
50°	39401
55°	40136
60°	40383
65°	39530
70°	37313
75°	34574
80°	30705
85°	24947

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 40406 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	346.7	10.3
10°-20°	950.9	28.1
20°-30°	1047.3	31.0
30°-40°	400.2	11.8
40°-50°	188.9	5.6
50°-60°	187.8	5.6
60°-70°	150.4	4.4
70°-80°	86.4	2.6
80°-90°	23.5	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°	2345.0	69.3
0°-40°	2745.1	81.2
0°-60°	3121.9	92.3
0°-90°	3382.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3382.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3803	
5°	3676	347
15°	3419	951
25°	2250	1047
35°	509	400
45°	246	189
55°	211	188
65°	153	150
75°	82	86
85°	20	24
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3802.6
2.5°	3762.9
5°	3675.6
7.5°	3602.7
10°	3532.3
12.5°	3472.7
15°	3419.1
17.5°	3289.7
20°	3106.0
22.5°	2709.9
25°	2250.5
27.5°	1959.1
30°	1520.2
32.5°	982.0
35°	509.3
37.5°	275.1
40°	250.5
42.5°	248.7
45°	246.2
47.5°	240.8
50°	231.8
52.5°	221.6
55°	210.7
57.5°	198.7
60°	184.8
62.5°	169.2
65°	152.9
67.5°	134.9
70°	116.8
72.5°	98.7
75°	81.9
77.5°	64.4
80°	48.8
82.5°	34.3
85°	19.9
87.5°	7.8
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)