

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: P766765

Luminaire Tested: LD6D45BD010-EU6DR5540509024-6LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P766765  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-52)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D45BD010-EU6DR5540509024-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 55° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3933.5 lumens  
Efficiency: N/A  
Efficacy: 101.6 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.87  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 38.7  
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

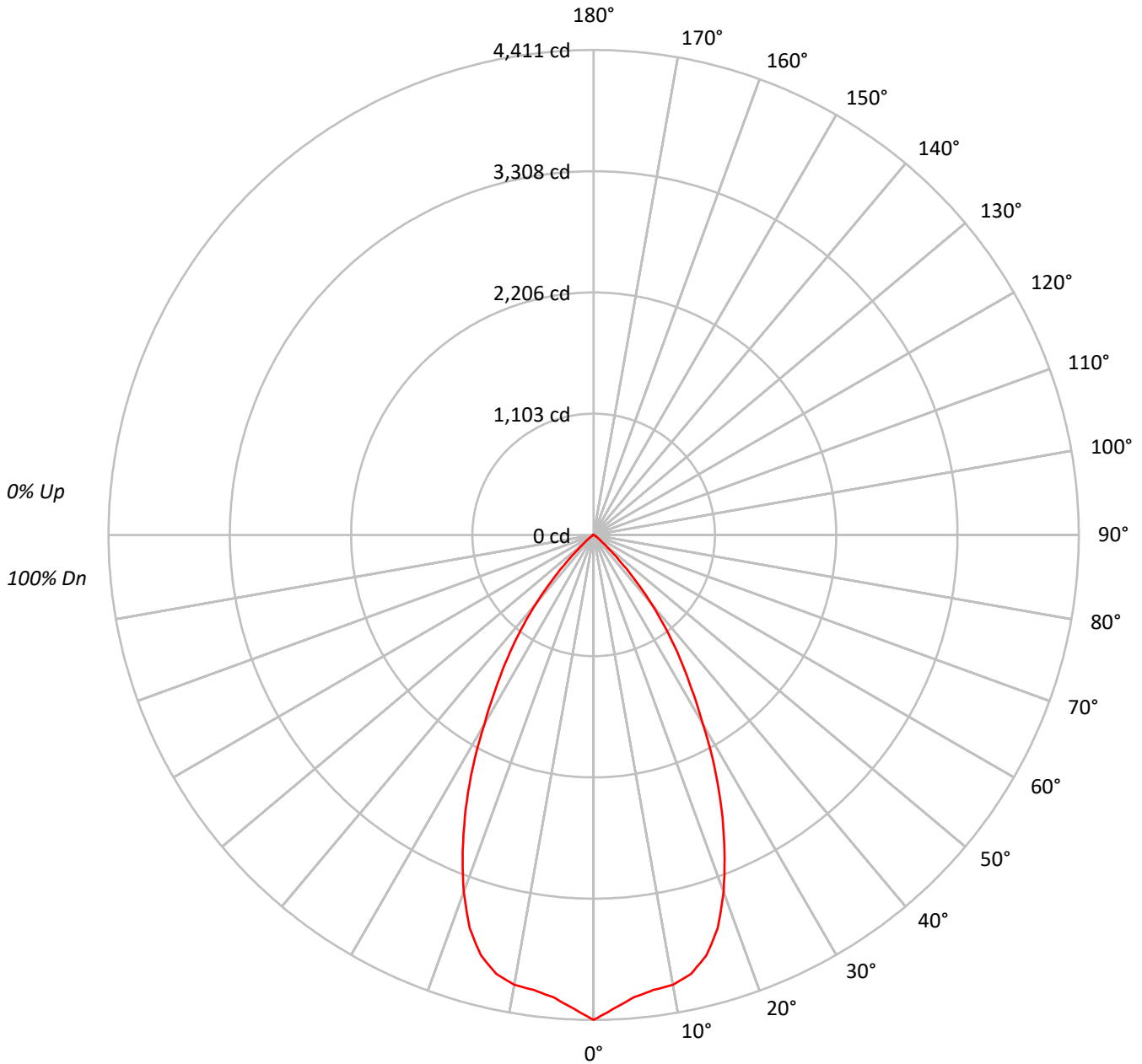


Downlight

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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	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	88	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65				
7	83	74	68	64	82	73	67	63	72	67	63	71	66	63	70	65	62	61				
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	62	58	57				
9	75	66	60	56	74	65	59	55	64	59	55	63	58	55	62	58	55	54				
10	72	62	56	52	71	61	56	52	61	56	52	60	55	52	59	55	52	50				

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

	0°
0°	481927
5°	462787
10°	461048
15°	447800
20°	401513
25°	331830
30°	250662
35°	181747
40°	116315
45°	53123
50°	17372
55°	7505
60°	3234
65°	414
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 53123 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	401.5	10.2
10°-20°	1095.8	27.9
20°-30°	1248.8	31.7
30°-40°	850.1	21.6
40°-50°	293.0	7.4
50°-60°	40.5	1.0
60°-70°	3.9	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°	2746.1	69.8
0°-40°	3596.2	91.4
0°-60°	3929.6	99.9
0°-90°	3933.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3933.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4411	
5°	4220	402
15°	3959	1096
25°	2752	1249
35°	1363	850
45°	344	293
55°	39	41
65°	2	4
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4410.8
2.5°	4309.7
5°	4219.5
7.5°	4175.2
10°	4155.6
12.5°	4090.0
15°	3958.8
17.5°	3750.5
20°	3453.2
22.5°	3110.0
25°	2752.5
27.5°	2380.3
30°	1986.8
32.5°	1653.4
35°	1362.6
37.5°	1086.0
40°	815.5
42.5°	565.2
45°	343.8
47.5°	185.3
50°	102.2
52.5°	60.7
55°	39.4
57.5°	25.1
60°	14.8
62.5°	6.6
65°	1.6
67.5°	0.5
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

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— 0°-180°

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Scaled Data Report



(END OF REPORT)