

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: P771691

Luminaire Tested: LD6D75BD010-EU6DR7070959027-6LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P771691  
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: LD6D75BD010-EU6DR7070959027-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8776.8 lumens  
Efficiency: N/A  
Efficacy: 121.2 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): 72.4  
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

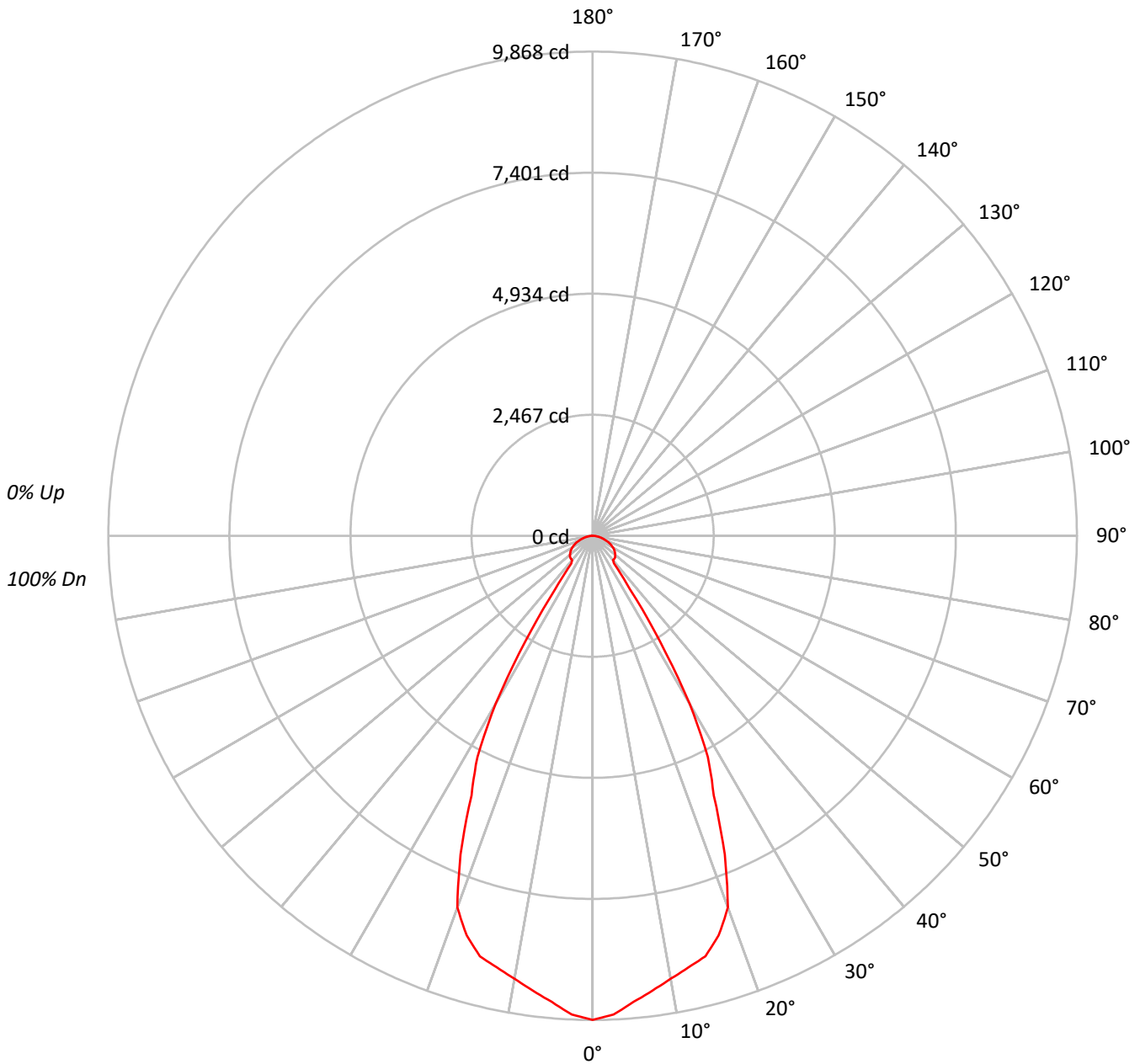


Downlight

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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
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°	1078152
5°	1046121
10°	1016956
15°	1003613
20°	937171
25°	704046
30°	497702
35°	176292
40°	92695
45°	98737
50°	102243
55°	104160
60°	104803
65°	102586
70°	96827
75°	89707
80°	79595
85°	64687

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 104848 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	899.6	10.3
10°-20°	2467.7	28.1
20°-30°	2717.8	31.0
30°-40°	1038.4	11.8
40°-50°	490.3	5.6
50°-60°	487.4	5.6
60°-70°	390.3	4.4
70°-80°	224.3	2.6
80°-90°	61.0	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°	6085.2	69.3
0°-40°	7123.6	81.2
0°-60°	8101.3	92.3
0°-90°	8776.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8776.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9868	
5°	9538	900
15°	8872	2468
25°	5840	2718
35°	1322	1038
45°	639	490
55°	547	487
65°	397	390
75°	212	224
85°	52	61
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	9867.7
2.5°	9764.6
5°	9538.1
7.5°	9349.0
10°	9166.2
12.5°	9011.6
15°	8872.5
17.5°	8536.6
20°	8060.1
22.5°	7032.1
25°	5840.0
27.5°	5083.9
30°	3944.9
32.5°	2548.2
35°	1321.7
37.5°	714.0
40°	649.9
42.5°	645.2
45°	639.0
47.5°	624.9
50°	601.5
52.5°	574.9
55°	546.8
57.5°	515.6
60°	479.6
62.5°	439.0
65°	396.8
67.5°	350.0
70°	303.1
72.5°	256.2
75°	212.5
77.5°	167.2
80°	126.5
82.5°	89.1
85°	51.6
87.5°	20.3
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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(END OF REPORT)