

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: P771561

Luminaire Tested: LD6D75BD010-EU6DR6070959035-6LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P771561  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D75BD010-EU6DR6070959035-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9077.8 lumens  
Efficiency: N/A  
Efficacy: 125.4 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
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

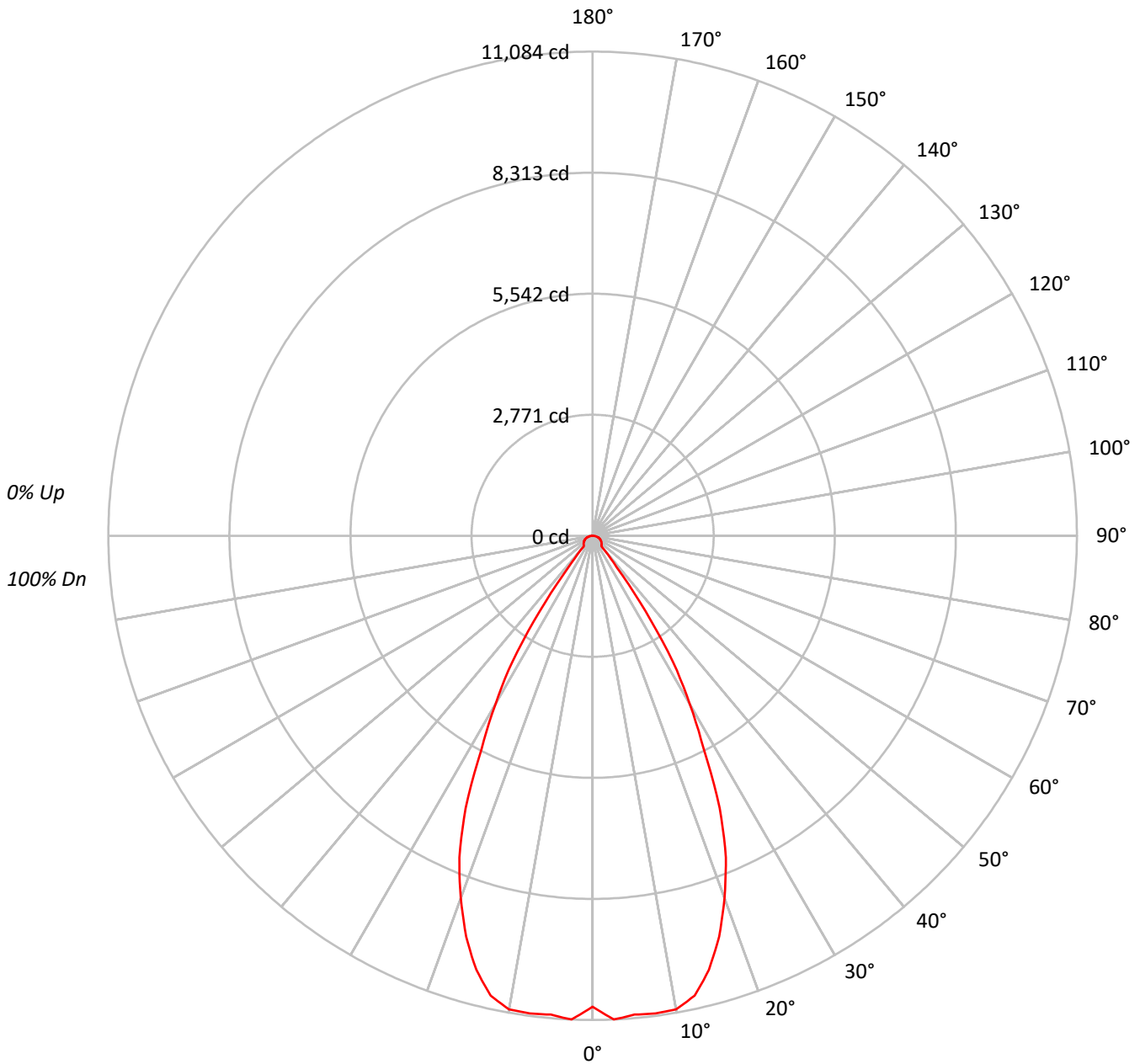


Downlight

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

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

	0°
0°	1177951
5°	1206920
10°	1221496
15°	1163637
20°	1025969
25°	829835
30°	561314
35°	281278
40°	45627
45°	44656
50°	45555
55°	46232
60°	47528
65°	48604
70°	49739
75°	50363
80°	48575
85°	40492

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 50363 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1051.7	11.6
10°-20°	2845.5	31.3
20°-30°	3061.5	33.7
30°-40°	1330.8	14.7
40°-50°	223.5	2.5
50°-60°	217.3	2.4
60°-70°	185.9	2.0
70°-80°	124.4	1.4
80°-90°	37.2	0.4
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°	6958.7	76.7
0°-40°	8289.5	91.3
0°-60°	8730.4	96.2
0°-90°	9077.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9077.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10781	
5°	11004	###
15°	10287	2845
25°	6883	3062
35°	2109	1331
45°	289	223
55°	243	217
65°	188	186
75°	119	124
85°	32	37
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	10781.1
2.5°	11084.1
5°	11004.2
7.5°	11029.4
10°	11009.8
12.5°	10782.5
15°	10287.2
17.5°	9622.1
20°	8823.8
22.5°	7969.3
25°	6883.4
27.5°	5505.6
30°	4449.1
32.5°	3429.1
35°	2108.8
37.5°	902.2
40°	319.9
42.5°	294.6
45°	289.0
47.5°	279.2
50°	268.0
52.5°	255.4
55°	242.7
57.5°	230.1
60°	217.5
62.5°	203.4
65°	188.0
67.5°	172.6
70°	155.7
72.5°	137.5
75°	119.3
77.5°	98.2
80°	77.2
82.5°	54.7
85°	32.3
87.5°	11.2
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)