

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: P773926

Luminaire Tested: LD6D90BD010-EU6DR6070959050-6LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773926  
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: LD6D90BD010-EU6DR6070959050-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11661.8 lumens  
Efficiency: N/A  
Efficacy: 117.9 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): 98.9  
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

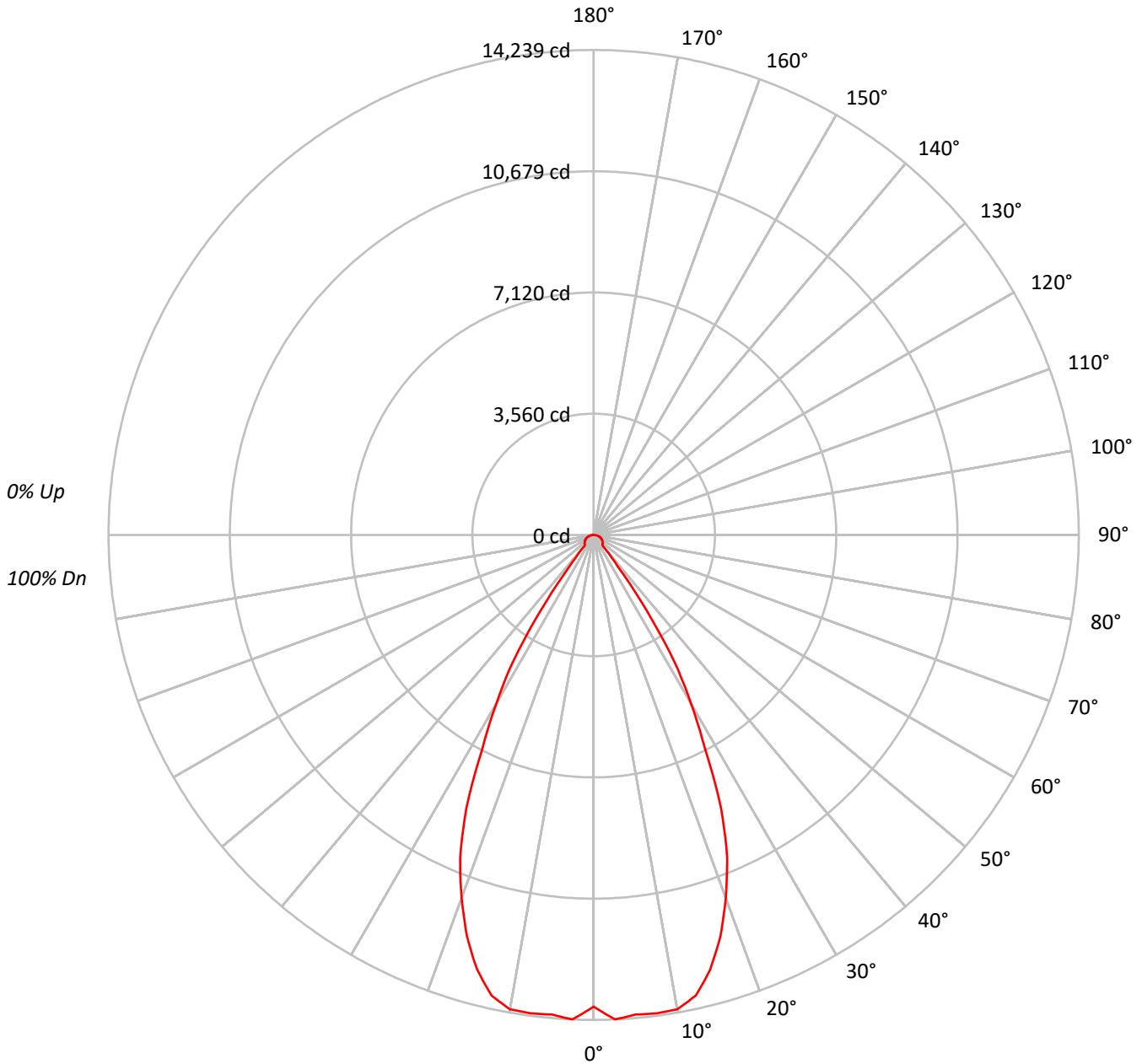


Downlight

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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				100															
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93				93															
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86				86															
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80				80															
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75				75															
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70				70															
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66				66															
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62				62															
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59				59															
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55				55															
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53				53															

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

	0°
0°	1513251
5°	1550465
10°	1569191
15°	1494861
20°	1318011
25°	1066040
30°	721087
35°	361347
40°	58621
45°	57373
50°	58524
55°	59395
60°	61055
65°	62436
70°	63923
75°	64674
80°	62354
85°	52026

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 64674 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1351.1	11.6
10°-20°	3655.5	31.3
20°-30°	3933.0	33.7
30°-40°	1709.6	14.7
40°-50°	287.1	2.5
50°-60°	279.2	2.4
60°-70°	238.8	2.0
70°-80°	159.8	1.4
80°-90°	47.8	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°	8939.5	76.7
0°-40°	10649.1	91.3
0°-60°	11215.4	96.2
0°-90°	11661.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11661.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13850	
5°	14136	###
15°	13215	3655
25°	8843	3933
35°	2709	1710
45°	371	287
55°	312	279
65°	242	239
75°	153	160
85°	42	48
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	13849.9
2.5°	14239.2
5°	14136.5
7.5°	14168.9
10°	14143.7
12.5°	13851.7
15°	13215.4
17.5°	12361.1
20°	11335.5
22.5°	10237.8
25°	8842.7
27.5°	7072.7
30°	5715.5
32.5°	4405.1
35°	2709.1
37.5°	1159.0
40°	411.0
42.5°	378.5
45°	371.3
47.5°	358.7
50°	344.3
52.5°	328.0
55°	311.8
57.5°	295.6
60°	279.4
62.5°	261.4
65°	241.5
67.5°	221.7
70°	200.1
72.5°	176.6
75°	153.2
77.5°	126.2
80°	99.1
82.5°	70.3
85°	41.5
87.5°	14.4
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)