

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: P773614

Luminaire Tested: LD6D90BD010-EU6DR4070959050-6LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773614  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D90BD010-EU6DR4070959050-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 40° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12139.7 lumens  
Efficiency: N/A  
Efficacy: 122.7 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

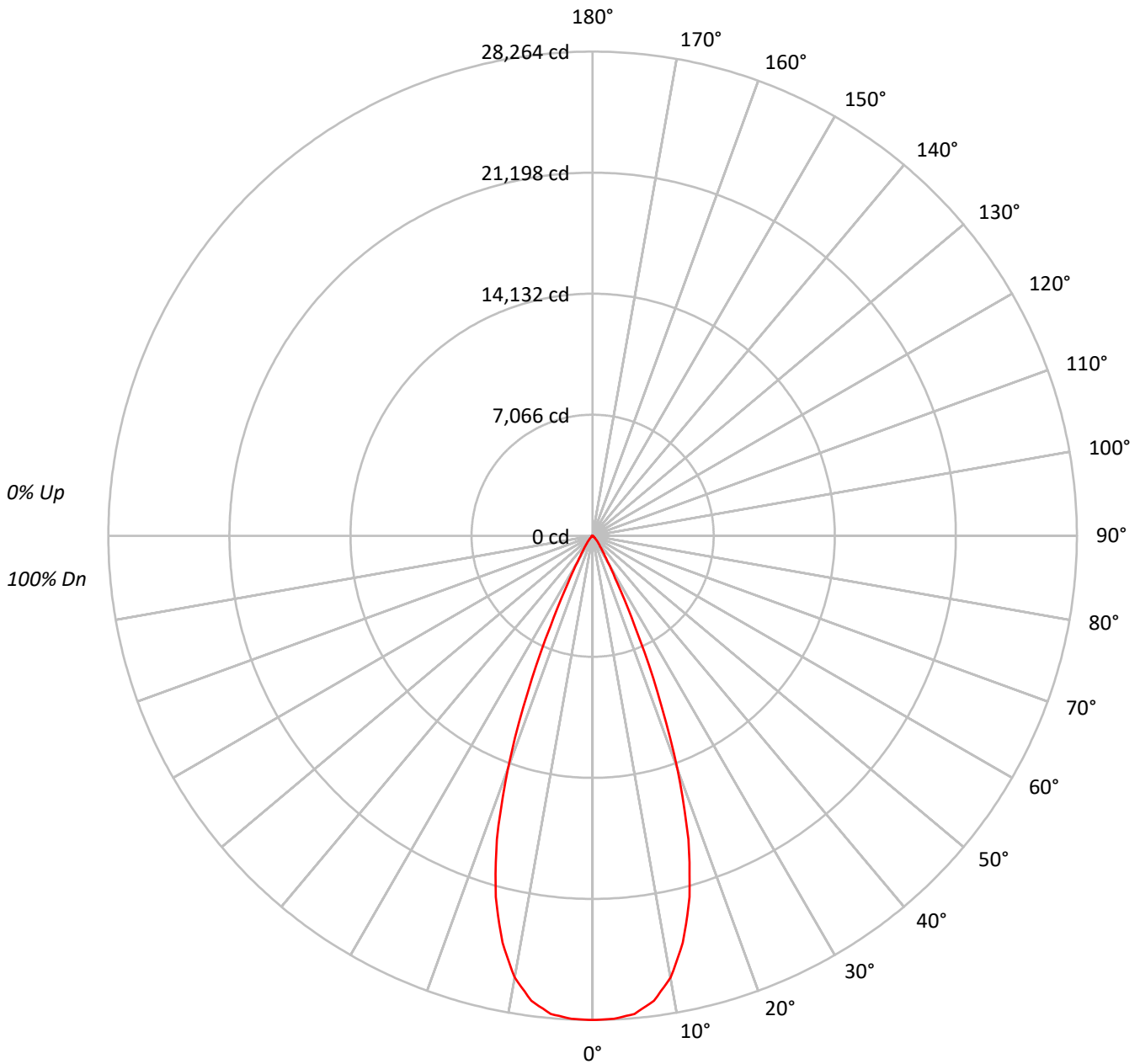
Input Watts (W): 98.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96				96															
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92				92															
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88				88															
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84				84															
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81				81															
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77				77															
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74				74															
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72				72															
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69				69															
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67				67															

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

	0°
0°	3088201
5°	3073203
10°	2904840
15°	2469483
20°	1683131
25°	702274
30°	220811
35°	102625
40°	56752
45°	26021
50°	12629
55°	6915
60°	3606
65°	1293
70°	543
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 26021 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2616.4	21.6
10°-20°	5861.4	48.3
20°-30°	2934.0	24.2
30°-40°	537.8	4.4
40°-50°	148.4	1.2
50°-60°	34.8	0.3
60°-70°	6.7	0.1
70°-80°	0.2	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°	11411.8	94.0
0°-40°	11949.6	98.4
0°-60°	12132.8	99.9
0°-90°	12139.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12139.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	28264	
5°	28020	###
15°	21832	5861
25°	5825	2934
35°	769	538
45°	168	148
55°	36	35
65°	5	7
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	28264.5
2.5°	28223.3
5°	28020.2
7.5°	27372.9
10°	26182.4
12.5°	24326.5
15°	21831.6
17.5°	18587.1
20°	14475.7
22.5°	9869.0
25°	5825.3
27.5°	3079.4
30°	1750.2
32.5°	1131.0
35°	769.4
37.5°	549.8
40°	397.9
42.5°	272.4
45°	168.4
47.5°	107.3
50°	74.3
52.5°	52.8
55°	36.3
57.5°	23.1
60°	16.5
62.5°	9.9
65°	5.0
67.5°	3.3
70°	1.7
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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(END OF REPORT)