

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P773423

Luminaire Tested: LD6D90BD010-EU6DR3070959030-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773423  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D90BD010-EU6DR3070959030-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11220.5 lumens  
Efficiency: N/A  
Efficacy: 113.5 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' 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

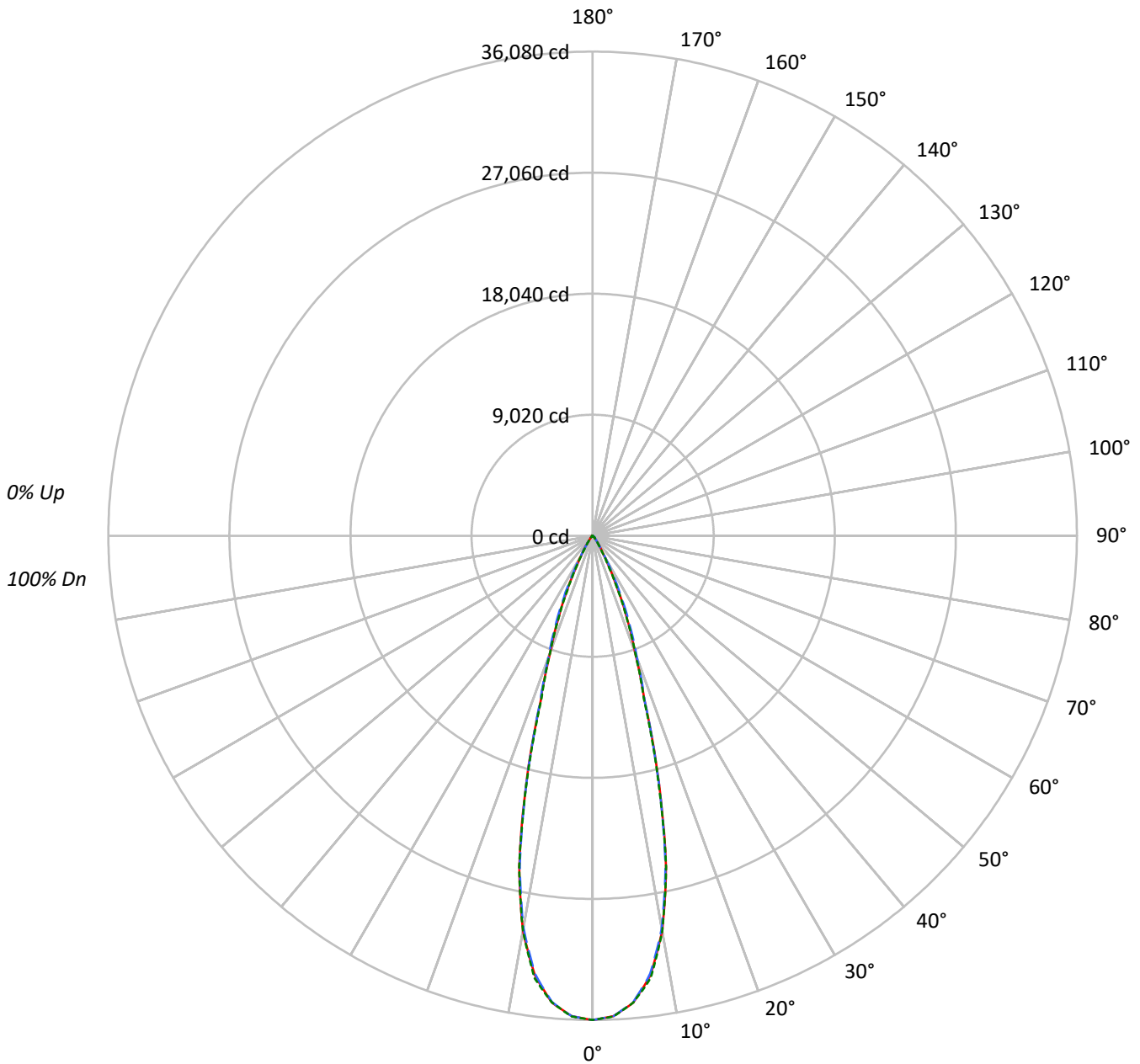


Downlight

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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																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

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

	0°	45°	90°
0°	2761647	2761647	2761647
5°	2682360	2679233	2682498
10°	2323332	2306948	2322780
15°	1515858	1507720	1500136
20°	753767	782049	752757
25°	379699	428168	371912
30°	152022	165642	132453
35°	70512	67531	56607
40°	30446	33803	28677
45°	21477	26651	21671
50°	7383	19410	7800
55°	4257	8034	4497
60°	2985	3521	2985
65°	1920	1920	1920
70°	1186	783	1186
75°	0	532	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 26651 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3172.6	28.3
10°-20°	5109.6	45.5
20°-30°	2208.0	19.7
30°-40°	503.2	4.5
40°-50°	172.8	1.5
50°-60°	42.2	0.4
60°-70°	10.9	0.1
70°-80°	1.2	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°	10490.2	93.5
0°-40°	10993.4	98.0
0°-60°	11208.4	99.9
0°-90°	11220.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11220.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	36080	36080	36080	36080	36080	
5°	34910	34877	34870	34942	34912	3175
15°	19129	18899	19026	18964	18931	5122
25°	4496	4666	5070	4547	4404	2152
35°	755	770	723	717	606	512
45°	198	246	246	246	200	141
55°	32	34	60	35	34	31
65°	11	11	11	11	11	10
75°	0	0	2	0	0	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	36079.5	36079.5	36079.5	36079.5	36079.5
2.5°	35840.3	35815.5	35829.7	35847.4	35854.5
5°	34910.3	34876.7	34869.6	34942.2	34912.1
7.5°	33034.4	32986.6	32914.0	33078.7	33232.8
10°	29892.0	29838.9	29681.2	29759.2	29884.9
12.5°	25252.8	25081.0	25077.4	25325.4	25291.8
15°	19129.1	18898.8	19026.4	18964.4	18930.7
17.5°	12863.8	12775.2	12945.2	12893.9	12672.4
20°	9253.7	9276.7	9600.9	9437.9	9241.3
22.5°	6752.5	6835.8	7220.1	6800.3	6646.2
25°	4495.8	4665.8	5069.7	4547.1	4403.6
27.5°	2765.1	2843.1	3252.3	2729.7	2651.8
30°	1720.0	1681.0	1874.1	1608.4	1498.6
32.5°	1128.4	1078.8	1140.8	1023.9	935.3
35°	754.6	770.5	722.7	717.4	605.8
37.5°	471.2	542.0	478.3	510.2	389.7
40°	304.7	393.2	338.3	373.8	287.0
42.5°	249.8	302.9	278.1	295.8	255.1
45°	198.4	246.2	246.2	246.2	200.2
47.5°	109.8	164.7	210.8	168.3	116.9
50°	62.0	83.3	163.0	86.8	65.5
52.5°	42.5	47.8	111.6	49.6	44.3
55°	31.9	33.7	60.2	35.4	33.7
57.5°	24.8	26.6	31.9	26.6	24.8
60°	19.5	19.5	23.0	21.3	19.5
62.5°	14.2	14.2	15.9	14.2	14.2
65°	10.6	10.6	10.6	10.6	10.6
67.5°	5.3	7.1	7.1	7.1	7.1
70°	5.3	3.5	3.5	3.5	5.3
72.5°	3.5	1.8	1.8	1.8	1.8
75°	0.0	0.0	1.8	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report



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Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

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(END OF REPORT)