

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: P771085

Luminaire Tested: LD6D75BD010-EU6DR3070959030-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P771085  
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: LD6D75BD010-EU6DR3070959030-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8335.8 lumens  
Efficiency: N/A  
Efficacy: 115.1 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): 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

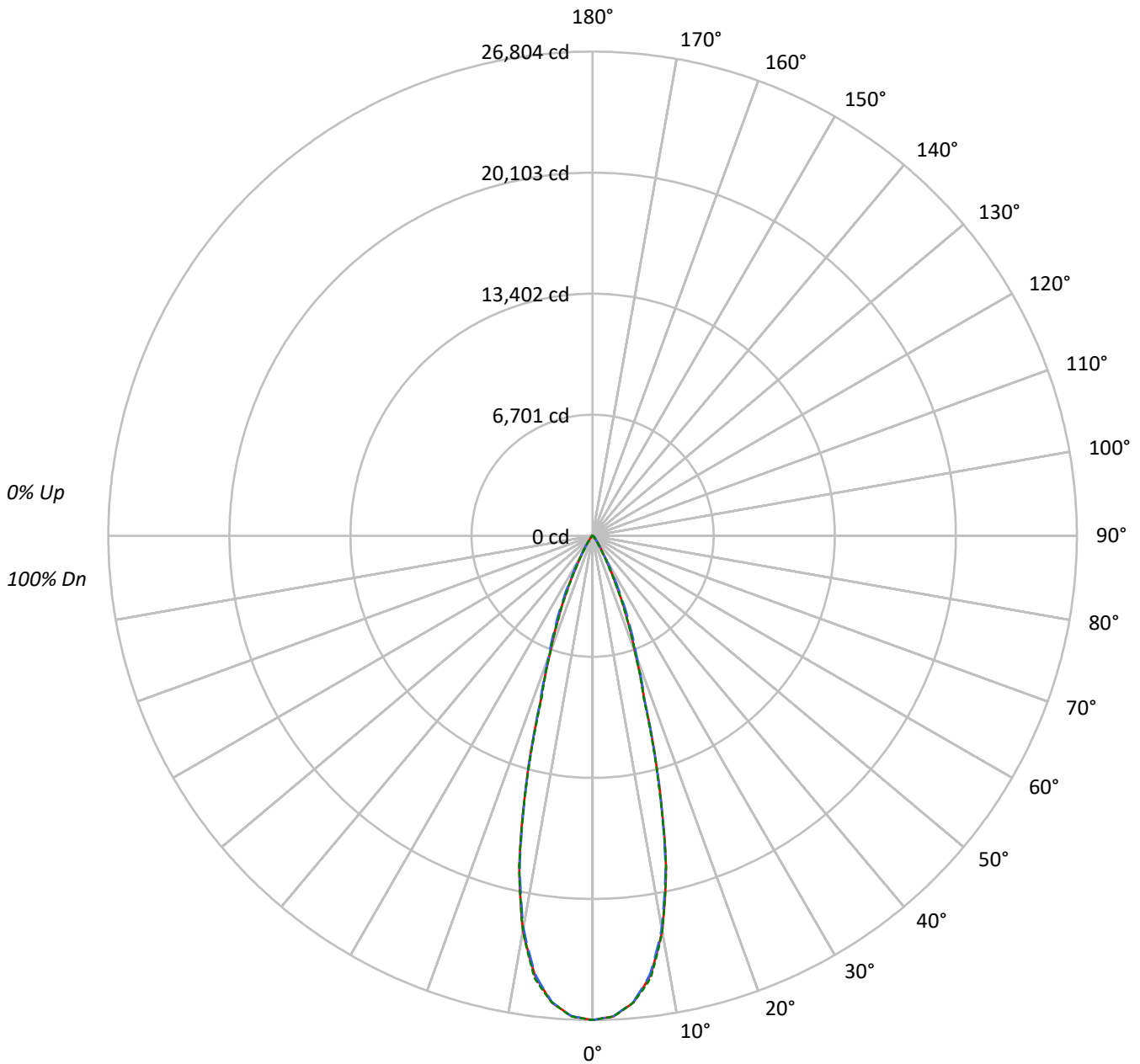


Downlight

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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	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°	2051654	2051654	2051654
5°	1992759	1990431	1992859
10°	1726029	1713857	1725625
15°	1126146	1120100	1114473
20°	559984	580992	559235
25°	282084	318088	276299
30°	112938	123058	98399
35°	52384	50169	42058
40°	22612	25120	21303
45°	15956	19799	16097
50°	5490	14421	5799
55°	3163	5965	3336
60°	2220	2618	2220
65°	1431	1431	1431
70°	873	582	873
75°	0	384	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 19799 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2357.0	28.3
10°-20°	3796.0	45.5
20°-30°	1640.3	19.7
30°-40°	373.9	4.5
40°-50°	128.4	1.5
50°-60°	31.3	0.4
60°-70°	8.1	0.1
70°-80°	0.8	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°	7793.3	93.5
0°-40°	8167.1	98.0
0°-60°	8326.9	99.9
0°-90°	8335.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8335.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	26804	26804	26804	26804	26804	
5°	25935	25910	25905	25959	25937	2359
15°	14211	14040	14135	14089	14064	3805
25°	3340	3466	3766	3378	3272	1599
35°	561	572	537	533	450	380
45°	147	183	183	183	149	105
55°	24	25	45	26	25	23
65°	8	8	8	8	8	8
75°	0	0	1	0	0	1
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°	26803.8	26803.8	26803.8	26803.8	26803.8
2.5°	26626.2	26607.8	26618.3	26631.4	26636.7
5°	25935.3	25910.3	25905.0	25959.0	25936.6
7.5°	24541.7	24506.1	24452.2	24574.6	24689.1
10°	22207.1	22167.7	22050.5	22108.4	22201.9
12.5°	18760.6	18632.9	18630.3	18814.5	18789.5
15°	14211.2	14040.2	14134.9	14088.9	14063.9
17.5°	9556.6	9490.8	9617.2	9579.0	9414.5
20°	6874.7	6891.8	7132.6	7011.5	6865.5
22.5°	5016.5	5078.4	5363.9	5052.0	4937.5
25°	3340.0	3466.3	3766.3	3378.1	3271.5
27.5°	2054.2	2112.1	2416.1	2027.9	1970.0
30°	1277.8	1248.9	1392.3	1194.9	1113.3
32.5°	838.3	801.4	847.5	760.6	694.8
35°	560.6	572.5	536.9	533.0	450.1
37.5°	350.1	402.7	355.3	379.0	289.5
40°	226.3	292.1	251.4	277.7	213.2
42.5°	185.6	225.0	206.6	219.8	189.5
45°	147.4	182.9	182.9	182.9	148.7
47.5°	81.6	122.4	156.6	125.0	86.9
50°	46.1	61.9	121.1	64.5	48.7
52.5°	31.6	35.5	82.9	36.8	32.9
55°	23.7	25.0	44.7	26.3	25.0
57.5°	18.4	19.7	23.7	19.7	18.4
60°	14.5	14.5	17.1	15.8	14.5
62.5°	10.5	10.5	11.8	10.5	10.5
65°	7.9	7.9	7.9	7.9	7.9
67.5°	3.9	5.3	5.3	5.3	5.3
70°	3.9	2.6	2.6	2.6	3.9
72.5°	2.6	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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







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

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(END OF REPORT)